

		Vehicle category				Average-speed emission factors (g/km) - ALL ROUTES Carbon Dioxide (uCO <sub>2</sub> )													URM emission factors (g/km)																	
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function	Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g								
		Type	Formula (y=EF in g/km; x=speed in km/h)				a	b	c	d	e	f	g		Minimum	Maximum				Urban	Rural	Motorway	Urban	Rural	Motorway											
ALL ROUTES (SMALL PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	10.5						3.176894513	5	50							FC I100km -> uCO2 (fuel=CH1.85,petrol = 0.75 kg/l)	24.05			33.357			18.060	602.435
	Average uCO2 Emissions for ALL ROUTES Small PTW_BL (grammes)																											602.435								
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	10.5						3.176894513	5	50							FC I100km -> uCO2 (fuel=CH1.85,petrol = 0.75 kg/l)	20.65			33.357			18.140	605.103
Average uCO2 Emissions for ALL ROUTES Small PTW_GT (grammes)																											605.103									
	CAR in general traffic	R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2260.64896	59.44419222	0.292631778	0.003019904	0	0	0	1	5	140							FC I100km -> uCO2 (fuel=CH1.85,petrol = 0.75 kg/l)	15.32			212.198			17.100	3628.586
Average uCO2 Emissions for ALL ROUTES Small CAR_GT (grammes)																											3,628.586									
ALL ROUTES (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001302	270.85402	-10.611696	0.2489649	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)								124.620			18.060	2250.641	
	Average uCO2 Emissions for ALL ROUTES Medium PTW_BL (grammes)																											2,250.641								
	PTW in general traffic	R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001302	270.85402	-10.611696	0.2489649	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)								135.253			18.140	2453.497	
Average uCO2 Emissions for ALL ROUTES Medium PTW_GT (grammes)																											2,453.497									
	CAR in general traffic	R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2532.35791	103.3971572	-0.43166932	0.006677558	0	0	0	1	5	140							FC I100km -> uCO2 (fuel=CH1.85,petrol = 0.75 kg/l)	15.32			263.649			17.100	4508.393
Average uCO2 Emissions for ALL ROUTES Medium CAR_GT (grammes)																											4,508.393									
ALL ROUTES (LARGE PETROL VEHICLES)	PTW in bus lane	R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)								169.015			18.060	3052.414	
	Average uCO2 Emissions for ALL ROUTES Large PTW_BL (grammes)																											3,052.414								
	PTW in general traffic	R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)								184.974			18.140	3355.430	
Average uCO2 Emissions for ALL ROUTES Large PTW_GT (grammes)																											3,355.430									
	CAR in general traffic	R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				3747.34351	155.9891339	-0.85269728	0.010317801	0	0	0	1	5	140							FC I100km -> uCO2 (fuel=CH1.85,petrol = 0.75 kg/l)	15.32			389.952			17.100	6668.180
Average uCO2 Emissions for ALL ROUTES Large CAR_GT (grammes)																											6,668.180									
ALL ROUTES (DIESEL CARS)	SMALL	R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	105.9591303	-1.55969189	0.012263812	0	0	0	1	5	140							FC I100km -> uCO2 (fuel=CH1.85,diesel = 0.85 kg/l)	15.32			169.724			17.100	2902.278
	Average uCO2 Emissions for ALL ROUTES Small Diesel CAR_GT (grammes)																											2,902.278								
	MEDIUM	R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	146.6478778	-1.55969189	0.012263812	0	0	0	1	5	140							FC I100km -> uCO2 (fuel=CH1.85,diesel = 0.85 kg/l)	15.32			210.413			17.100	3598.056
Average uCO2 Emissions for ALL ROUTES Medium Diesel CAR_GT (grammes)																											3,598.056									
	LARGE	R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	180.1506801	-1.55969189	0.012263812	0	0	0	1	5	140							FC I100km -> uCO2 (fuel=CH1.85,diesel = 0.85 kg/l)	15.32			243.915			17.100	4170.954
Average uCO2 Emissions for ALL ROUTES Large Diesel CAR_GT (grammes)																											4,170.954									

		Vehicle category										Average-speed emission factors (g/km) - ALL ROUTES Oxides of Nitrogen (NO <sub>x</sub> )										URM emission factors (g/km)									
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function Type	Formula (y=EF in g/km; x=speed in km/h)	a	b	c	d	e	f	g	Adjustment factor (k)	Valid speed range Minimum (km/h)	Valid speed range Maximum (km/h)	Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g		
																						Urban	Rural	Motorway	Urban	Rural	Motorway				
ROUTE 1 - A1 Archway Road to Paiestra (SMALL PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	0.01						1	5	50	COPERT IV	Elst et al.(2006)		24.05			0.0100			18.060	0.181	Average NOx Emissions for ALL ROUTES Small PTW_BL (grammes)	0.181
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	0.01						1	5	50	COPERT IV	Elst et al.(2006)		20.65			0.0100			18.140	0.181	Average NOx Emissions for ALL ROUTES Small PTW_GT (grammes)	0.181
	CAR in general traffic	R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.887069717	0.009761248	9.90849E-05	1.83658E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	15.32			0.0692			17.100	1.184	Average NOx Emissions for ALL ROUTES Small CAR_GT (grammes)	1.184
ROUTE F - A1 Archway Road to Paiestra (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		24.05			0.044			18.060	0.788	Average NOx Emissions for ALL ROUTES Medium PTW_BL (grammes)	0.788
	PTW in general traffic	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		20.65			0.048			18.140	0.862	Average NOx Emissions for ALL ROUTES Medium PTW_GT (grammes)	0.862
	CAR in general traffic	R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.516913912	0.034501595	5.49275E-05	-4.0848E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	15.32			0.069			17.100	1.183	Average NOx Emissions for ALL ROUTES Medium CAR_GT (grammes)	1.183
ROUTE F - A1 Archway Road to Paiestra (LARGE PETROL VEHICLES)	PTW in bus lane	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		24.05			0.068			18.060	1.228	Average NOx Emissions for ALL ROUTES Large PTW_BL (grammes)	1.228
	PTW in general traffic	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		20.65			0.075			18.140	1.366	Average NOx Emissions for ALL ROUTES Large PTW_GT (grammes)	1.366
	CAR in general traffic	R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2.634691932	0.003790945	0.000289096	3.11184E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	15.32			0.180			17.100	3.081	Average NOx Emissions for ALL ROUTES Large CAR_GT (grammes)	3.081
ROUTE F - A1 Archway Road to Paiestra (DIESEL CARS)	'SMALL'	R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	5.4852588	0.123076	0.000670753	2.07703E-05	-9.9725E-08	8.49508E-10	0	0.675	5	140	Assumption		Code R26 * 0.675	15.32			0.335			17.100	5.725	Average NOx Emissions for ALL ROUTES Small Diesel CAR_GT (grammes)	5.725
	'MEDIUM'	R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	5.4852588	0.123076	0.000670753	2.07703E-05	-9.9725E-08	8.49508E-10	0	1	5	140	DIT EFs database		Fit to g/h data	15.32			0.496			17.100	8.481	Average NOx Emissions for ALL ROUTES Medium Diesel CAR_GT (grammes)	8.481
	'LARGE'	R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	15.89742288	0.114914539	0.000179381	4.42012E-05	-3.3264E-07	2.66432E-09	0	0.3375	5	120	Assumption, based on TA limits		Code R40 * 0.675	15.32			0.393			17.100	6.722	Average NOx Emissions for ALL ROUTES Large Diesel CAR_GT (grammes)	6.722

		Vehicle category				Average-speed fuel consumption (l/100 km) - ALL ROUTES												URM fuel consumption (l/100km)														
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function		Coefficients					Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Fuel consumption (l/100km)			km	litres fuel					
		Type	Formula (y=FC in l/100km; x= speed in km/h)		a	b	c	d	e	f	g	Minimum (km/h)	Maximum (km/h)				Urban	Rural	Motorway	Urban	Rural	Motorway										
ALL ROUTES (SMALL PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		0	10.5					0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)	24.05			1.400			18.060	0.253	Average fuel consumption for ALL ROUTES Small PTW_BL (l/100km)	0.253	
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		0	10.5					0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)	20.65			1.400			18.140	0.254	Average fuel consumption for ALL ROUTES Small PTW_GT (l/100km)	0.254	
	CAR in general traffic	R005	Car <2.5t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		2260.649	59.444192	0.2926318	0.0030199	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km	15.32			8.906			17.100	1.523	Average fuel consumption for ALL ROUTES Small CAR_GT (l/100km)	1.523
ALL ROUTES (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		0.000130236	270.8540169	-10.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)	24.05			5.230			18.060	0.945	Average fuel consumption for ALL ROUTES Medium PTW_BL (l/100km)	0.945
	PTW in general traffic	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		0.000130236	270.8540169	-10.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)	20.65			5.677			18.140	1.030	Average fuel consumption for ALL ROUTES Medium PTW_GT (l/100km)	1.030
	CAR in general traffic	R012	Car <2.5t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		2532.3579	103.39716	-0.4316693	0.0066776	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km	15.32			11.065			17.100	1.892	Average fuel consumption for ALL ROUTES Medium CAR_GT (l/100km)	1.892
ALL ROUTES (LARGE PETROL VEHICLES)	PTW in bus lane	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		0.000139862	386.4071829	-15.7303557	0.368607573	-0.00434113	2.56371E-05	-8.8387E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)	24.05			7.094			18.060	1.281	Average fuel consumption for ALL ROUTES Large PTW_BL (l/100km)	1.281
	PTW in general traffic	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		0.000139862	386.4071829	-15.7303557	0.368607573	-0.00434113	2.56371E-05	-8.8387E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)	20.65			7.763			18.140	1.408	Average fuel consumption for ALL ROUTES Large PTW_GT (l/100km)	1.408
	CAR in general traffic	R019	Car <2.5t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		3747.3435	155.98913	-0.8526973	0.0103176	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km	15.32			16.366			17.100	2.799	Average fuel consumption for ALL ROUTES Large CAR_GT (l/100km)	2.799
ALL ROUTES (DIESEL CARS)	SMALL	R027	Car <2.5t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		1298.84287	105.9591303	-1.55989189	0.012263812	0	0	0	0.037032086	5	140	Assumption		As Code 34	15.32			6.285			17.100	1.075	Average fuel consumption for ALL ROUTES Small Diesel CAR_GT (l/100km)	1.075
	MEDIUM	R033	Car <2.5t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		1298.84287	146.6478778	-1.55989189	0.012263812	0	0	0	0.037032086	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km	15.32			7.792			17.100	1.332	Average fuel consumption for ALL ROUTES Medium Diesel CAR_GT (l/100km)	1.332
	LARGE	R041	Car <2.5t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$		1298.84287	180.1506901	-1.55989189	0.012263812	0	0	0	0.037032086	5	140	Assumption		As Code 40	15.32			9.033			17.100	1.545	Average fuel consumption for ALL ROUTES Large Diesel CAR_GT (l/100km)	1.545

		Vehicle category										ROUTE A - Average-speed emission factors (g/km) - Carbon Dioxide (uCO <sub>2</sub> )										URM emission factors (g/km)												
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function		Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g					
							Type	Formula (y=EF in g/km; x=speed in km/h)	a	b	c	d	e	f	g		Minimum	Maximum				Urban	Rural	Motorway	Urban	Rural	Motorway							
ROUTE A - A1 Archway Road to Palestine (SMALL PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5								3.176894513	5	50				FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	24.41			33.357			11.017	367.496	Total uCO2 Emissions for Route A Small PTW_BL (grammes)	367.496
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5								3.176894513	5	50				FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	19.72			33.357			11.149	371.902	Total uCO2 Emissions for Route A Small PTW_GT (grammes)	371.902
	CAR in general traffic	R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2260.64896	59.44419222	0.292631778	0.003019904	0	0	0	1	5	140						FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	13.87			227.106			11.186	2540.413	Total uCO2 Emissions for Route A Small CAR_GT (grammes)	2540.413
ROUTE A - A1 Archway Road to Palestine (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489649	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				24.41			123.635			11.017	1362.088	Total uCO2 Emissions for Route A Medium PTW_BL (grammes)	1362.088	
	PTW in general traffic	R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489649	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				19.72			138.575			11.149	1544.974	Total uCO2 Emissions for Route A Medium PTW_GT (grammes)	1544.974	
	CAR in general traffic	R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2532.35791	103.3971572	-0.43166932	0.006677558	0	0	0	1	5	140						FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	13.87			281.313			11.186	3146.765	Total uCO2 Emissions for Route A Medium CAR_GT (grammes)	3146.765
ROUTE A - A1 Archway Road to Palestine (LARGE PETROL VEHICLES)	PTW in bus lane	R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				24.41			167.519			11.017	1845.559	Total uCO2 Emissions for Route A Large PTW_BL (grammes)	1845.559	
	PTW in general traffic	R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				19.72			189.944			11.149	2117.682	Total uCO2 Emissions for Route A Large PTW_GT (grammes)	2117.682	
	CAR in general traffic	R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	3747.34351	155.9891339	-0.85269728	0.010317601	0	0	0	1	5	140						FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	13.87			416.383			11.186	4657.665	Total uCO2 Emissions for Route A Large CAR_GT (grammes)	4657.665
ROUTE A - A1 Archway Road to Palestine (DIESEL CARS)	SMALL	R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	105.9591303	-1.55969189	0.012263812	0	0	0	1	5	140						FC I100km -> uCO2 (fuel=CH1.85diesel = 0.85 kg/l)	13.87			180.330			11.186	2017.166	Total uCO2 Emissions for Route A Small Diesel CAR_GT (grammes)	2017.166
	MEDIUM	R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	146.6476778	-1.55969189	0.012263812	0	0	0	1	5	140						FC I100km -> uCO2 (fuel=CH1.85diesel = 0.85 kg/l)	13.87			221.018			11.186	2472.310	Total uCO2 Emissions for Route A Medium Diesel CAR_GT (grammes)	2472.310
	LARGE	R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	180.1506901	-1.55969189	0.012263812	0	0	0	1	5	140						FC I100km -> uCO2 (fuel=CH1.85diesel = 0.85 kg/l)	13.87			254.545			11.186	2847.340	Total uCO2 Emissions for Route A Medium Diesel CAR_GT (grammes)	2847.340

		Vehicle category										ROUTE A - Average-speed emission factors (g/km) - Oxides of Nitrogen (NO <sub>x</sub> )										URM emission factors (g/km)									
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function Type	Formula (y=EF in g/km; x=speed in km/h)	a	b	c	d	e	f	g	Adjustment factor (k)	Valid speed range Minimum (km/h)	Valid speed range Maximum (km/h)	Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g		
																						Urban	Rural	Motorway	Urban	Rural	Motorway				
ROUTE A - A1 Archway Road to Paestera (SMALL PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	0.01						1	5	50	COPERT IV	Elst et al.(2006)		24.41			0.0100			11.017	0.110	Total NOx Emissions for Route A Small PTW_BL (grammes)	0.110
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	0.01						1	5	50	COPERT IV	Elst et al.(2006)		19.72			0.0100			11.149	0.111	Total NOx Emissions for Route A Small PTW_GT (grammes)	0.111
	CAR in general traffic	R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.887069717	0.009761248	9.90849E-05	1.83658E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	13.87			0.0751			11.186	0.841	Total NOx Emissions for Route A Small CAR_GT (grammes)	0.841
ROUTE A - A1 Archway Road to Paestera (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		24.41			0.043			11.017	0.477	Total NOx Emissions for Route A Medium PTW_BL (grammes)	0.477
	PTW in general traffic	R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		19.72			0.049			11.149	0.544	Total NOx Emissions for Route A Medium PTW_GT (grammes)	0.544
	CAR in general traffic	R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.516913912	0.034501595	5.49275E-05	4.0848E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	13.87			0.073			11.186	0.812	Total NOx Emissions for Route A Medium CAR_GT (grammes)	0.812
ROUTE A - A1 Archway Road to Paestera (LARGE PETROL VEHICLES)	PTW in bus lane	R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		24.41			0.067			11.017	0.741	Total NOx Emissions for Route A Large PTW_BL (grammes)	0.741
	PTW in general traffic	R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		19.72			0.078			11.149	0.865	Total NOx Emissions for Route A Large PTW_GT (grammes)	0.865
	CAR in general traffic	R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2.634691932	0.003709045	0.000289096	3.11184E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	13.87			0.198			11.186	2.212	Total NOx Emissions for Route A Large CAR_GT (grammes)	2.212
ROUTE A - A1 Archway Road to Paestera (DIESEL CARS)	SMALL	R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	5.4852588	0.123076	0.000670753	2.07703E-05	-9.9725E-08	8.49508E-10	0	0.675	5	140	Assumption		Code R26 * 0.675	13.87			0.359			11.186	4.014	Total NOx Emissions for Route A Small Diesel CAR_GT (grammes)	4.014
	MEDIUM	R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	5.4852588	0.123076	0.000670753	2.07703E-05	-9.9725E-08	8.49508E-10	0	1	5	140	DIT EFs database		Fit to g/h data	13.87			0.532			11.186	5.947	Total NOx Emissions for Route A Medium Diesel CAR_GT (grammes)	5.947
	LARGE	R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	15.89742288	0.114914539	0.000179381	4.42012E-05	-3.3264E-07	2.66432E-09	0	0.3375	5	120	Assumption, based on TA limits		Code R40 * 0.675	13.87			0.429			11.186	4.800	Total NOx Emissions for Route A Large Diesel CAR_GT (grammes)	4.800

		Vehicle category					ROUTE A - Average-speed fuel consumption (l/100 km)											URM fuel consumption (l/100km)																		
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function		Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment			Speeds (km/h)			Fuel consumption (l/100km)			km	litres fuel					
		Type	Formula (y=FC in l/100km; x=speed in km/h)				a	b	c	d	e	f	g	Minimum (km/h)	Maximum (km/h)						Urban	Rural	Motorway	Urban	Rural	Motorway										
ROUTE A - A1 Archway Road to Palestra (SMALL PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	10.5						0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)			24.41			1.400			11.017	0.154	Total fuel consumption for Route A Small PTW_BL (l/100km)	0.154
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	10.5						0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)			19.72			1.400			11.149	0.156	Total fuel consumption for Route A Small PTW_GT (l/100km)	0.156
	CAR in general traffic	R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2260.64896	59.44419222	0.292631778	0.003019904	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			13.87			9.532			11.186	1.066	Total fuel consumption for Route A Small CAR_GT (l/100km)	1.066
ROUTE A - A1 Archway Road to Palestra (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001302	270.85402	-10.6116958	0.24898489	-0.00291032	1.72236E-05	-3.901E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			24.41			5.189			11.017	0.572	Total fuel consumption for Route A Medium PTW_BL (l/100km)	0.572
	PTW in general traffic	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.000130236	270.8540169	-10.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			19.72			5.816			11.149	0.648	Total fuel consumption for Route A Medium PTW_GT (l/100km)	0.648
	CAR in general traffic	R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2532.3579	103.39716	-0.4316693	0.0066776	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			13.87			11.807			11.186	1.321	Total fuel consumption for Route A Medium CAR_GT (l/100km)	1.321
ROUTE A - A1 Archway Road to Palestra (LARGE PETROL VEHICLES)	PTW in bus lane	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			24.41			7.031			11.017	0.775	Total fuel consumption for Route A Large PTW_BL (l/100km)	0.775
	PTW in general traffic	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			19.72			7.972			11.149	0.889	Total fuel consumption for Route A Large PTW_GT (l/100km)	0.889
	CAR in general traffic	R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				3747.34351	155.9891339	-0.85269728	0.010317601	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			13.87			17.475			11.186	1.955	Total fuel consumption for Route A Large CAR_GT (l/100km)	1.955
ROUTE A - A1 Archway Road to Palestra (DIESEL CARS)	'SMALL'	R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	105.9591303	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	Assumption		As Code 34			13.87			6.678			11.186	0.747	Total fuel consumption for Route A Small Diesel CAR_GT (l/100km)	0.747
	'MEDIUM'	R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	146.6476778	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			13.87			8.185			11.186	0.916	Total fuel consumption for Route A Medium Diesel CAR_GT (l/100km)	0.916
	'LARGE'	R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	180.1506901	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	Assumption		As Code 40			13.87			9.426			11.186	1.054	Total fuel consumption for Route A Large Diesel CAR_GT (l/100km)	1.054

		Vehicle category				TRL	ROUTE B - Average-speed emission factors (g/km) - Carbon Dioxide (uCO <sub>2</sub> )												URM emission factors (g/km)																	
Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function Type	Formula (y=EF in g/km; x=speed in km/h)	Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g									
							a	b	c	d	e	f	g		Minimum	Maximum				Urban	Rural	Motorway	Urban	Rural	Motorway											
ROUTE B - A11 Hendon Way to Paisera (SMALL PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)		R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5						3.176894513	5	50				FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	23.22			33.357			17.025	567.910	Total uCO2 Emissions for Route B Small PTW_BL (grammes)	567.910		
	PTW in general traffic	Emissions over total route (Average speeds including stoppages)		R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5						3.176894513	5	50				FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	21.37			33.357			17.232	574.815	Total uCO2 Emissions for Route B Small PTW_GT (grammes)	574.815		
	CAR in general traffic	Emissions over total route (Average speeds including stoppages)		R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2260.64896	59.44419222	0.292631778	0.003019904	0	0	0	1	5	140						FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	14.95			215.708			17.232	3717.080	Total uCO2 Emissions for Route B Small CAR_GT (grammes)	3717.080
ROUTE B - A11 Hendon Way to Paisera (MEDIUM PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)		R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489649	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)								127.003			17.025	2162.227	Total uCO2 Emissions for Route B Medium PTW_BL (grammes)	2162.227
	PTW in general traffic	Emissions over total route (Average speeds including stoppages)		R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489649	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)								132.804			17.232	2288.470	Total uCO2 Emissions for Route B Medium PTW_GT (grammes)	2288.470
	CAR in general traffic	Emissions over total route (Average speeds including stoppages)		R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2532.35791	103.3971572	-0.43166932	0.006677558	0	0	0	1	5	140									267.825			17.232	4615.194	Total uCO2 Emissions for Route B Medium CAR_GT (grammes)	4615.194	
ROUTE B - A11 Hendon Way to Paisera (LARGE PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)		R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)								172.600			17.025	2938.512	Total uCO2 Emissions for Route B Large PTW_BL (grammes)	2938.512
	PTW in general traffic	Emissions over total route (Average speeds including stoppages)		R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)								181.305			17.232	3124.242	Total uCO2 Emissions for Route B Large PTW_GT (grammes)	3124.242
	CAR in general traffic	Emissions over total route (Average speeds including stoppages)		R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	3747.34351	155.9891339	-0.85269728	0.010317601	0	0	0	1	5	140									396.206			17.232	6827.417	Total uCO2 Emissions for Route B Large CAR_GT (grammes)	6827.417	
ROUTE B - A11 Hendon Way to Paisera (DIESEL CARS)	SMALL	Emissions over total route (Average speeds including stoppages)		R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	105.9591303	-1.55969189	0.012263812	0	0	0	1	5	140										172.262			17.232	2968.416	Total uCO2 Emissions for Route B Small Diesel CAR_GT (grammes)	2968.416
	MEDIUM	Emissions over total route (Average speeds including stoppages)		R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	146.6478778	-1.55969189	0.012263812	0	0	0	1	5	140										212.951			17.232	3669.565	Total uCO2 Emissions for Route B Medium Diesel CAR_GT (grammes)	3669.565
	LARGE	Emissions over total route (Average speeds including stoppages)		R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	180.1506901	-1.55969189	0.012263812	0	0	0	1	5	140										246.453			17.232	4246.885	Total uCO2 Emissions for Route B Large Diesel CAR_GT (grammes)	4246.885

		Vehicle category	ROUTE B - Average-speed emission factors (g/km) - Oxides of Nitrogen (NO <sub>x</sub> )	URM emission factors (g/km)																														
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function	Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g						
		Type	Formula (y=EF in g/km; x=speed in km/h)				a	b	c	d	e	f	g		Minimum (km/h)	Maximum (km/h)				Urban	Rural	Motorway	Urban	Rural	Motorway									
ROUTE B - A1 Archway Road to Palestra ('SMALL' PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	0.01					1	5	50	COPERT IV	Elst et al.(2006)		23.22			0.0100			17.025	0.170	Total NOx Emissions for Route B Small PTW_BL (grammes)	0.170	
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	0.01					1	5	50	COPERT IV	Elst et al.(2006)		21.37			0.0100			17.232	0.172	Total NOx Emissions for Route B Small PTW_GT (grammes)	0.172	
	CAR in general traffic	R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.887069717	0.009761248	9.90849E-05	1.83658E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	14.95			0.0706			17.232	1.217	Total NOx Emissions for Route B Small CAR_GT (grammes)	1.217
ROUTE B - A1 Archway Road to Palestra (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		23.22			0.044			17.025	0.757	Total NOx Emissions for Route B Medium PTW_BL (grammes)	0.757
	PTW in general traffic	R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		21.37			0.047			17.232	0.803	Total NOx Emissions for Route B Medium PTW_GT (grammes)	0.803
	CAR in general traffic	R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.516913912	0.034501595	5.49275E-05	-4.0848E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	14.95			0.070			17.232	1.206	Total NOx Emissions for Route B Medium CAR_GT (grammes)	1.206
ROUTE B - A1 Archway Road to Palestra ('LARGE' PETROL VEHICLES)	PTW in bus lane	R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		23.22			0.070			17.025	1.185	Total NOx Emissions for Route B Large PTW_BL (grammes)	1.185
	PTW in general traffic	R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		21.37			0.074			17.232	1.269	Total NOx Emissions for Route B Large PTW_GT (grammes)	1.269
	CAR in general traffic	R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2.634691932	0.003709045	0.000289096	3.11184E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	14.95			0.184			17.232	3.176	Total NOx Emissions for Route B Large CAR_GT (grammes)	3.176
ROUTE B - A1 Archway Road to Palestra (DIESEL CARS)	'SMALL'	R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				5.4852588	0.123076	0.000670753	2.07703E-05	-9.9725E-08	8.49508E-10	0	0.675	5	140	Assumption		Code R26 * 0.675	14.95			0.340			17.232	5.867	Total NOx Emissions for Route B Small Diesel CAR_GT (grammes)	5.867
	'MEDIUM'	R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				5.4852588	0.123076	0.000670753	2.07703E-05	-9.9725E-08	8.49508E-10	0	1	5	140	DIT EFs database		Fit to g/h data	14.95			0.504			17.232	8.691	Total NOx Emissions for Route B Medium Diesel CAR_GT (grammes)	8.691
	'LARGE'	R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				15.89742288	0.114914539	0.000179381	4.42012E-05	-3.3264E-07	2.66432E-09	0	0.3375	5	120	Assumption, based on TA limits		Code R40 * 0.675	14.95			0.402			17.232	6.920	Total NOx Emissions for Route B Large Diesel CAR_GT (grammes)	6.920

		Vehicle category					ROUTE B - Average-speed fuel consumption (l/100 km)											URM fuel consumption (l/100km)																		
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function		Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment			Speeds (km/h)			Fuel consumption (l/100km)			km	litres fuel					
		Type	Formula (y=FC in l/100km; x=speed in km/h)				a	b	c	d	e	f	g	Minimum (km/h)	Maximum (km/h)						Urban	Rural	Motorway	Urban	Rural	Motorway										
ROUTE B - A41 Hendon Way to Palestina ('SMALL' PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	10.5						0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)			23.22			1.400			17.025	0.238	Total fuel consumption for Route B Small PTW_BL (l/100km)	0.238
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	10.5						0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)			21.37			1.400			17.232	0.241	Total fuel consumption for Route B Small PTW_GT (l/100km)	0.241
	CAR in general traffic	R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2260.64896	59.44419222	0.292631778	0.003019904	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			14.95			9.053			17.232	1.560	Total fuel consumption for Route B Small CAR_GT (l/100km)	1.560
ROUTE B - A41 Hendon Way to Palestina (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.000130236	270.8540169	-10.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)			23.22			5.330			17.025	0.907	Total fuel consumption for Route B Medium PTW_BL (l/100km)	0.907
	PTW in general traffic	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.000130236	270.8540169	-10.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)			21.37			5.574			17.232	0.960	Total fuel consumption for Route B Medium PTW_GT (l/100km)	0.960
	CAR in general traffic	R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2532.3579	103.39716	-0.4316693	0.0066776	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			14.95			11.241			17.232	1.937	Total fuel consumption for Route B Medium CAR_GT (l/100km)	1.937
ROUTE B - A41 Hendon Way to Palestina (LARGE PETROL VEHICLES)	PTW in bus lane	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)			23.22			7.244			17.025	1.233	Total fuel consumption for Route B Large PTW_BL (l/100km)	1.233
	PTW in general traffic	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)			21.37			7.609			17.232	1.311	Total fuel consumption for Route B Large PTW_GT (l/100km)	1.311
	CAR in general traffic	R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				3747.34351	155.9891339	-0.85269728	0.010317801	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			14.95			16.629			17.232	2.865	Total fuel consumption for Route B Large CAR_GT (l/100km)	2.865
ROUTE B - A41 Hendon Way to Palestina (DIESEL CARS)	'SMALL'	R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	105.9591303	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	Assumption		As Code 34			14.95			6.379			17.232	1.099	Total fuel consumption for Route B Small Diesel CAR_GT (l/100km)	1.099
	'MEDIUM'	R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	146.6478778	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			14.95			7.886			17.232	1.359	Total fuel consumption for Route B Medium Diesel CAR_GT (l/100km)	1.359
	'LARGE'	R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	180.1506901	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	Assumption		As Code 40			14.95			9.127			17.232	1.573	Total fuel consumption for Route B Large Diesel CAR_GT (l/100km)	1.573

		Vehicle category				TRL	ROUTE C - Average-speed emission factors (g/km) - Carbon Dioxide (uCO <sub>2</sub> )												URM emission factors (g/km)									
Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function		Coefficients							Adjustment factor (k)	Valid speed range		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g	
					Type	Formula (y=EF in g/km; x=speed in km/h)	a	b	c	d	e	f	g		Minimum (km/h)	Maximum (km/h)				Urban	Rural	Motorway	Urban	Rural	Motorway			
R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5							3.176894513	5	50			FC 1100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	24.40			33.357			17.688	590.026
							Total uCO2 Emissions for Route C Small PTW_BL (grammes)																	590.026				
R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5						3.176894513	5	50			FC 1100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	18.16			33.357			17.762	592.494	
																	Total uCO2 Emissions for Route C Small PTW_GT (grammes)			592.494								
R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489849	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)		24.40			123.654			17.688	2187.196	
							Total uCO2 Emissions for Route C Medium PTW_BL (grammes)																	2187.196				
R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489849	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)		18.16			144.624			17.762	2568.807	
																	Total uCO2 Emissions for Route C Medium PTW_GT (grammes)			2568.807								
R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)		24.40			167.560			17.688	2963.806	
							Total uCO2 Emissions for Route C Large PTW_BL (grammes)																	2963.806				
R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)		18.16			198.980			17.762	3534.278	
																	Total uCO2 Emissions for Route C Large PTW_GT (grammes)			3534.278								

		Vehicle category				ROUTE C - Average-speed emission factors (g/km) - Oxides of Nitrogen (NO <sub>x</sub> )													URM emission factors (g/km)																																	
Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function Type	Function Formula (y=EF in g/km; x=speed in km/h)	Coefficients							Adjustment factor (k)	Valid speed range		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g																									
							a	b	c	d	e	f	g		Minimum (km/h)	Maximum (km/h)				Urban	Rural	Motorway	Urban	Rural	Motorway																											
ROUTE C - A1 Archway Road to Palestra (SMALL PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	0.01							1	5	50	COPERT IV	Elst et al.(2006)		24.40			0.0100			17.688	0.177	Total NOx Emissions for Route C Small PTW_BL (grammes)	0.177
		Emissions over total route (Average speeds including stoppages)																				R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	0.01							1	5	50	COPERT IV	Elst et al.(2006)		18.16			0.0100			17.782	0.178	Total NOx Emissions for Route C Small PTW_GT (grammes)	0.178
ROUTE C - A1 Archway Road to (MEDIUM PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		24.40			0.043			17.688	0.766	Total NOx Emissions for Route C Medium PTW_BL (grammes)	0.766	
		Emissions over total route (Average speeds including stoppages)																				R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		18.16			0.051			17.762	0.909	Total NOx Emissions for Route C Medium PTW_GT (grammes)	0.909	
ROUTE C - A1 Archway Road to (LARGE PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		24.40			0.067			17.688	1.190	Total NOx Emissions for Route C Large PTW_BL (grammes)	1.190	
		Emissions over total route (Average speeds including stoppages)																				R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		18.16			0.082			17.762	1.451	Total NOx Emissions for Route C Large PTW_GT (grammes)	1.451	



		Vehicle category				TRL	ROUTE D - Average-speed emission factors (g/km) - Carbon Dioxide (uCO <sub>2</sub> )												URM emission factors (g/km)																
Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function Type	Formula (y=EF in g/km; x=speed in km/h)	Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g								
							a	b	c	d	e	f	g		Minimum	Maximum				Urban	Rural	Motorway	Urban	Rural	Motorway										
ROUTE D - A21 Bromley Common to Paolera (SMALL PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)		R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5						3.176894513	5	50				FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	25.23			33.357			24.014	801.044	Total uCO2 Emissions for Route D Small PTW_BL (grammes)	801.044	
		Emissions over total route (Average speeds including stoppages)		R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5							3.176894513	5	50				FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	23.34			33.357			24.072	802.979	Total uCO2 Emissions for Route D Small PTW_GT (grammes)	802.979
	CAR in general traffic	Emissions over total route (Average speeds including stoppages)		R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2260.64896	59.44419222	0.292631778	0.003019904	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	15.03			214.934			24.055	5170.232	Total uCO2 Emissions for Route D Small CAR_GT (grammes)	5,170.232	
ROUTE D - A21 Bromley Common to Paolera (MEDIUM PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)		R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489649	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				25.23			121.453			24.014	2916.565	Total uCO2 Emissions for Route D Medium PTW_BL (grammes)	2,916.565
		Emissions over total route (Average speeds including stoppages)		R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489649	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				23.34			126.650			24.072	3048.729	Total uCO2 Emissions for Route D Medium PTW_GT (grammes)	3,048.729
	CAR in general traffic	Emissions over total route (Average speeds including stoppages)		R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2532.35791	103.3971572	-0.43168932	0.006677598	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	15.03			266.905			24.055	6420.388	Total uCO2 Emissions for Route D Medium CAR_GT (grammes)	6,420.388	
ROUTE D - A21 Bromley Common to Paolera (LARGE PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)		R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				25.23			164.240			24.014	3944.066	Total uCO2 Emissions for Route D Large PTW_BL (grammes)	3,944.066
		Emissions over total route (Average speeds including stoppages)		R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				23.34			172.070			24.072	4142.061	Total uCO2 Emissions for Route D Large PTW_GT (grammes)	4,142.061
	CAR in general traffic	Emissions over total route (Average speeds including stoppages)		R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	3747.34351	155.9891339	-0.85269728	0.010317601	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	15.03			394.628			24.055	9497.590	Total uCO2 Emissions for Route D Large CAR_GT (grammes)	9,497.590	
ROUTE D - A21 Bromley Common to Paolera (DIESEL CARS)	SMALL	Emissions over total route (Average speeds including stoppages)		R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	105.9591303	-1.55969189	0.012263812	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85diesel = 0.85 kg/l)	15.03			171.704			24.055	4130.341	Total uCO2 Emissions for Route D Small Diesel CAR_GT (grammes)	4,130.341	
		Emissions over total route (Average speeds including stoppages)		R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	146.6478778	-1.55969189	0.012263812	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85diesel = 0.85 kg/l)	15.03			212.393			24.055	5100.109	Total uCO2 Emissions for Route D Medium Diesel CAR_GT (grammes)	5,100.109	
	LARGE	Emissions over total route (Average speeds including stoppages)		R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	180.1506901	-1.55969189	0.012263812	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85diesel = 0.85 kg/l)	15.03			245.896			24.055	5915.019	Total uCO2 Emissions for Route D Large Diesel CAR_GT (grammes)	5,915.019	

		Vehicle category	ROUTE D - Average-speed emission factors (g/km) - Oxides of Nitrogen (NO <sub>x</sub> )	URM emission factors (g/km)																														
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function	Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g						
		Type	Formula (y=EF in g/km; x=speed in km/h)				a	b	c	d	e	f	g		Minimum (km/h)	Maximum (km/h)				Urban	Rural	Motorway	Urban	Rural	Motorway									
ROUTE D - A1 Archway Road to Palestra ('SMALL' PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	0.01					1	5	50	COPERT IV	Elst et al.(2006)		25.23			0.0100			24.014	0.240	Total NOx Emissions for Route D Small PTW_BL (grammes)	0.240	
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	0.01					1	5	50	COPERT IV	Elst et al.(2006)		23.32			0.0100			24.072	0.241	Total NOx Emissions for Route D Small PTW_GT (grammes)	0.241	
	CAR in general traffic	R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.887069717	0.009761248	9.90849E-05	1.83658E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	15.03			0.0703			24.055	1.691	Total NOx Emissions for Route D Small CAR_GT (grammes)	1.691
ROUTE D - A1 Archway Road to Palestra (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		25.23			0.043			24.014	1.022	Total NOx Emissions for Route D Medium PTW_BL (grammes)	1.022
	PTW in general traffic	R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		23.32			0.044			24.072	1.067	Total NOx Emissions for Route D Medium PTW_GT (grammes)	1.067
	CAR in general traffic	R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.516913912	0.034501595	5.49275E-05	-4.0848E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	15.03			0.070			24.055	1.679	Total NOx Emissions for Route D Medium CAR_GT (grammes)	1.679
ROUTE D - A1 Archway Road to Palestra (LARGE PETROL VEHICLES)	PTW in bus lane	R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		25.23			0.066			24.014	1.580	Total NOx Emissions for Route D Large PTW_BL (grammes)	1.580
	PTW in general traffic	R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		23.34			0.069			24.072	1.670	Total NOx Emissions for Route D Large PTW_GT (grammes)	1.670
	CAR in general traffic	R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2.634691932	0.003709045	0.000289096	3.11184E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data	15.03			0.183			24.055	4.412	Total NOx Emissions for Route D Large CAR_GT (grammes)	4.412
ROUTE D - A1 Archway Road to Palestra (DIESEL CARS)	'SMALL'	R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				5.4852588	0.123076	0.000670753	2.07703E-05	-9.9725E-08	8.49508E-10	0	0.675	5	140	Assumption		Code R26 * 0.675	15.03			0.339			24.055	6.159	Total NOx Emissions for Route D Small Diesel CAR_GT (grammes)	6.159
	'MEDIUM'	R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				5.4852588	0.123076	0.000670753	2.07703E-05	-9.9725E-08	8.49508E-10	0	1	5	140	DIT EFs database		Fit to g/h data	15.03			0.503			24.055	12.088	Total NOx Emissions for Route D Medium Diesel CAR_GT (grammes)	12.088
	'LARGE'	R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				15.89742288	0.114914539	0.000179381	4.42012E-05	-3.3264E-07	2.66432E-09	0	0.3375	5	120	Assumption, based on TA limits		Code R40 * 0.675	15.03			0.400			24.055	9.615	Total NOx Emissions for Route D Large Diesel CAR_GT (grammes)	9.615

		Vehicle category				ROUTE D - Average-speed fuel consumption (l/100 km)													URM fuel consumption (l/100km)																	
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function		Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment			Speeds (km/h)			Fuel consumption (l/100km)			km	litres fuel					
		Type	Formula (y=FC in l/100km; x=speed in km/h)				a	b	c	d	e	f	g	Minimum (km/h)	Maximum (km/h)						Urban	Rural	Motorway	Urban	Rural	Motorway										
ROUTE D - A21 Bromley Common to Paolstra (SMALL PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	10.5					0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)			25.23			1.400			24.014	0.336	Total fuel consumption for Route D Small PTW_BL (l/100km)	0.336	
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	10.5					0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)			23.34			1.400			24.072	0.337	Total fuel consumption for Route D Small PTW_GT (l/100km)	0.337	
	CAR in general traffic	R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2260.64896	59.44419222	0.292631778	0.003019904	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			15.03			9.021			24.055	2.170	Total fuel consumption for Route D Small CAR_GT (l/100km)	2.170
ROUTE D - A21 Bromley Common to Paolstra (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.000130236	270.8540169	-0.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	130	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			25.23			5.097			24.014	1.224	Total fuel consumption for Route D Medium PTW_BL (l/100km)	1.224
	PTW in general traffic	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.000130236	270.8540169	-0.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			23.34			5.315			24.072	1.280	Total fuel consumption for Route D Medium PTW_GT (l/100km)	1.280
	CAR in general traffic	R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2532.3579	103.39716	-0.4316693	0.0066776	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			15.03			11.202			24.055	2.695	Total fuel consumption for Route D Medium CAR_GT (l/100km)	2.695
ROUTE D - A21 Bromley Common to Paolstra (LARGE PETROL VEHICLES)	PTW in bus lane	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			25.23			6.893			24.014	1.655	Total fuel consumption for Route D Large PTW_BL (l/100km)	1.655
	PTW in general traffic	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			23.34			7.222			24.072	1.738	Total fuel consumption for Route D Large PTW_GT (l/100km)	1.738
	CAR in general traffic	R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				3747.34351	155.9891339	-0.85269728	0.010317801	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			15.03			16.571			24.055	3.986	Total fuel consumption for Route D Large CAR_GT (l/100km)	3.986
ROUTE D - A21 Bromley Common to Paolstra (DIESEL CARS)	'SMALL'	R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	105.9591303	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	Assumption		As Code 34			15.03			6.359			24.055	1.530	Total fuel consumption for Route D Small Diesel CAR_GT (l/100km)	1.530
	'MEDIUM'	R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	146.6478778	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			15.03			7.865			24.055	1.892	Total fuel consumption for Route D Medium Diesel CAR_GT (l/100km)	1.892
	'LARGE'	R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k'(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	180.1506901	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	Assumption		As Code 40			15.03			9.106			24.055	2.190	Total fuel consumption for Route D Large Diesel CAR_GT (l/100km)	2.190

		Vehicle category				TRL	ROUTE E - Average-speed emission factors (g/km) - Carbon Dioxide (uCO <sub>2</sub> )											URM emission factors (g/km)																																			
Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function		Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g																										
					Type	Formula (y=EF in g/km; x=speed in km/h)	a	b	c	d	e	f	g		Minimum (km/h)	Maximum (km/h)				Urban	Rural	Motorway	Urban	Rural	Motorway																												
ROUTE E - A10 Great Cambridge (SMALL PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5							3.176894513	5	50			FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	22.86			33.357			22.611	754.244	Total uCO2 Emissions for Route E Small PTW_BL (grammes)	754.244	
		Emissions over total route (Average speeds including stoppages)																				R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5							3.176894513	5	50			FC I100km -> uCO2 (fuel=CH1.85petrol = 0.75 kg/l)	21.21			33.357			22.632	754.945	Total uCO2 Emissions for Route E Small PTW_GT (grammes)	754.945	
ROUTE E - A10 Great Cambridge (MEDIUM PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489849	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				22.86			128.078			22.611	2895.869	Total CO Emissions for Route E Medium PTW_BL (grammes)	2,895.869
		Emissions over total route (Average speeds including stoppages)																				R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489849	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				21.21			133.338			22.632	3017.713	Total CO Emissions for Route E Medium PTW_GT (grammes)	3,017.713
ROUTE E - A10 Great Cambridge (LARGE PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				22.86			174.215			22.611	3939.174	Total CO Emissions for Route E Large PTW_BL (grammes)	3,939.174
		Emissions over total route (Average speeds including stoppages)																				R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				21.21			182.106			22.632	4121.424	Total CO Emissions for Route E Large PTW_GT (grammes)	4,121.424

		Vehicle category		ROUTE E - Average-speed emission factors (g/km) - Oxides of Nitrogen (NO <sub>x</sub> )														URM emission factors (g/km)												
Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function Type	Function Formula (y=EF in g/km; x=speed in km/h)	Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g			
							a	b	c	d	e	f	g		Minimum	Maximum				Urban	Rural	Motorway	Urban	Rural	Motorway					
R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	0.01							1	5	50	COPERT IV	Elst et al.(2006)		22.86			0.0100			22.611	0.226	Total NOx Emissions for Route E Small PTW_BL (grammes)	0.226
							Emissions over total route (Average speeds including stoppages)																							
R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	0.01							1	5	50	COPERT IV	Elst et al.(2006)		21.21			0.0100			22.632	0.226	Total NOx Emissions for Route E Small PTW_GT (grammes)	0.226
							Emissions over total route (Average speeds including stoppages)																							
R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		22.86			0.045			22.611	1.014	Total NOx Emissions for Route E Medium PTW_BL (grammes)	1.014	
							Emissions over total route (Average speeds including stoppages)																							
R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)		21.21			0.047			22.632	1.059	Total NOx Emissions for Route E Medium PTW_GT (grammes)	1.059	
							Emissions over total route (Average speeds including stoppages)																							
R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		22.86			0.070			22.611	1.591	Total NOx Emissions for Route E Large PTW_BL (grammes)	1.591	
							Emissions over total route (Average speeds including stoppages)																							
R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)		21.21			0.074			22.632	1.675	Total NOx Emissions for Route E Large PTW_GT (grammes)	1.675	
							Emissions over total route (Average speeds including stoppages)																							

		Vehicle category				ROUTE E - Average-speed fuel consumption (l/100 km)													URM fuel consumption (l/100km)											
Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function		Coefficients							Adjustment factor (k)	Valid speed range		Data source	Report	Comment	Speeds (km/h)			Fuel consumption (l/100km)			km	litres fuel			
					Type	Formula (y=FC in l/100km; x= speed in km/h)	a	b	c	d	e	f	g		Minimum (km/h)	Maximum (km/h)				Urban	Rural	Motorway	Urban	Rural	Motorway					
R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5							0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)	22.96			1.400			22.611	0.3166	Total fuel consumption for Route E Small PTW_BL (l/100km)	0.317
							Fuel consumption over total route (Average speeds including stoppages)																							
R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5						0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)	21.21			1.400			22.632	0.317	Total fuel consumption for Route E Small PTW_GT (l/100km)	0.317	
Fuel consumption over total route (Average speeds including stoppages)																	Total fuel consumption for Route E Small PTW_GT (l/100km)					0.317								
R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.000130236	270.8540169	-10.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	100	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)	22.86			5.375			22.611	1.215	Total fuel consumption for Route E Medium PTW_BL (l/100km)	1.215	
							Emissions over total route (Average speeds including stoppages)																							
R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.000130236	270.8540169	-10.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	130	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)	21.21			5.596			22.632	1.267	Total fuel consumption for Route E Medium PTW_GT (l/100km)	1.267	
Emissions over total route (Average speeds including stoppages)																	Total fuel consumption for Route E Medium PTW_GT (l/100km)					1.267								
R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)	22.86			7.312			22.611	1.653	Total fuel consumption for Route E Large PTW_BL (l/100km)	1.653	
							Emissions over total route (Average speeds including stoppages)																							
R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85,petrol = 0.75 kg/l)	21.21			7.643			22.632	1.730	Total fuel consumption for Route E Large PTW_GT (l/100km)	1.730	
Emissions over total route (Average speeds including stoppages)																	Total fuel consumption for Route E Large PTW_GT (l/100km)					1.730								

		Vehicle category				TRL	ROUTE F - Average-speed emission factors (g/km) - Carbon Dioxide (uCO <sub>2</sub> )												URM emission factors (g/km)																																			
Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function		Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g																											
					Type	Formula (y=EF in g/km; x=speed in km/h)	a	b	c	d	e	f	g		Minimum	Maximum				Urban	Rural	Motorway	Urban	Rural	Motorway																													
ROUTE F - A10 Great Cambridge Road to Paestra (SMALL PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5								3.176894513	5	50				FC I100km -> uCO2 (fuel=CH1.85,petrol = 0.75 kg/l)	24.15			33.357			16.005	533.885	Total uCO2 Emissions for Route F Small PTW_BL (grammes)	533.885
		Emissions over total route (Average speeds including stoppages)																				R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	10.5								3.176894513	5	50				FC I100km -> uCO2 (fuel=CH1.85,petrol = 0.75 kg/l)	20.10			33.357			16.005	533.885	Total uCO2 Emissions for Route F Small PTW_GT (grammes)	533.885
	CAR in general traffic	Emissions over total route (Average speeds including stoppages)																				R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2260.64896	59.44419222	0.292631778	0.003019904	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85,petrol = 0.75 kg/l)	17.44			195.091			15.818	3085.943	Total uCO2 Emissions for Route F Small CAR_GT (grammes)	3085.943		
ROUTE F - A10 Great Cambridge Road to Paestra (MEDIUM PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489649	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				24.15			124.342			16.005	1990.092	Total uCO2 Emissions for Route F Medium PTW_BL (grammes)	1990.092	
		Emissions over total route (Average speeds including stoppages)																				R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001302	270.85402	-10.611696	0.2489649	-0.0029103	1.722E-05	-3.901E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				20.10			137.201			16.005	2195.903	Total uCO2 Emissions for Route F Medium PTW_GT (grammes)	2195.903	
	CAR in general traffic	Emissions over total route (Average speeds including stoppages)																				R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2532.35791	103.3971572	-0.43166932	0.006677558	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85,petrol = 0.75 kg/l)	17.44			243.104			15.818	3845.417	Total uCO2 Emissions for Route F Medium CAR_GT (grammes)	3845.417		
ROUTE F - A10 Great Cambridge Road to Paestra (LARGE PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				24.15			168.596			16.005	2698.381	Total uCO2 Emissions for Route F Large PTW_BL (grammes)	2698.381	
		Emissions over total route (Average speeds including stoppages)																				R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	1	5	140	ARTEMIS WP500	Elst et al.(2006)				20.10			187.889			16.005	3007.158	Total uCO2 Emissions for Route F Large PTW_GT (grammes)	3007.158	
	CAR in general traffic	Emissions over total route (Average speeds including stoppages)																				R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	3747.34351	155.9891339	-0.85269728	0.010317601	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85,petrol = 0.75 kg/l)	17.44			359.127			15.818	5680.668	Total uCO2 Emissions for Route F Large CAR_GT (grammes)	5680.668		
ROUTE F - A10 Great Cambridge Road to Paestra (DIESEL CARS)	SMALL	Emissions over total route (Average speeds including stoppages)																				R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	105.9591303	-1.55969189	0.012263812	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85,diesel = 0.85 kg/l)	17.44			156.963			15.818	2482.843	Total uCO2 Emissions for Route F Small Diesel CAR_GT (grammes)	2482.843		
		Emissions over total route (Average speeds including stoppages)																				R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	146.6478778	-1.55969189	0.012263812	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85,diesel = 0.85 kg/l)	17.44			197.652			15.818	3126.457	Total uCO2 Emissions for Route F Medium Diesel CAR_GT (grammes)	3126.457		
	LARGE	Emissions over total route (Average speeds including stoppages)																				R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1298.84287	180.1506901	-1.55969189	0.012263812	0	0	0	1	5	140				FC I100km -> uCO2 (fuel=CH1.85,diesel = 0.85 kg/l)	17.44			231.155			15.818	3656.405	Total uCO2 Emissions for Route F Large Diesel CAR_GT (grammes)	3656.405		

		Vehicle category	TRL	ROUTE F - Average-speed emission factors (g/km) - Oxides of Nitrogen (NO <sub>x</sub> )	URM emission factors (g/km)																																																	
Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function Type	Formula (y=EF in g/km; x=speed in km/h)	Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment	Speeds (km/h)			Emissions (g/km)			km	Total g																											
							a	b	c	d	e	f	g		Minimum	Maximum				Urban	Rural	Motorway	Urban	Rural	Motorway																													
ROUTE 1 - A1 Archway Road to Paiestra (SMALL PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	0.01							1	5	50	COPERT IV	Elst et al.(2006)				24.15			0.0100			16.005	0.160	Total NOx Emissions for Route F Small PTW_BL (grammes)	0.160
		Emissions over total route (Average speeds including stoppages)																				R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0	0.01							1	5	50	COPERT IV	Elst et al.(2006)				20.10			0.0100			16.005	0.160	Total NOx Emissions for Route F Small PTW_GT (grammes)	0.160
		Emissions over total route (Average speeds including stoppages)																				R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.887069717	0.009761248	9.90849E-05	1.83658E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data				17.44			0.0624			15.818	0.967	Total NOx Emissions for Route F Small CAR_GT (grammes)	0.967
ROUTE F - A1 Archway Road to Paiestra (MEDIUM PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)				24.15			0.044			16.005	0.696	Total NOx Emissions for Route F Medium PTW_BL (grammes)	0.696	
		Emissions over total route (Average speeds including stoppages)																				R261	Micycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	1.738E-07	0.1067209	-0.0048229	0.0001181	-1.296E-06	8.174E-09	-1.93E-11	1	5	140	ARTEMIS WP500	Elst et al.(2006)				20.10			0.048			16.005	0.772	Total NOx Emissions for Route F Medium PTW_GT (grammes)	0.772	
		Emissions over total route (Average speeds including stoppages)																				R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	0.516913912	0.034501595	5.49275E-05	-4.0848E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data				17.44			0.065			15.818	1.032	Total NOx Emissions for Route F Medium CAR_GT (grammes)	1.032
ROUTE F - A1 Archway Road to Paiestra (LARGE PETROL VEHICLES)	PTW in bus lane	Emissions over total route (Average speeds including stoppages)																				R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)				24.15			0.068			16.005	1.085	Total NOx Emissions for Route F Large PTW_BL (grammes)	1.085	
		Emissions over total route (Average speeds including stoppages)																				R265	Micycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	-0.047159	0.1627546	-0.0058996	9.397E-05	-4.168E-07	1.508E-09	0	1	5	140	ARTEMIS WP500	Elst et al.(2006)				20.10			0.077			16.005	1.227	Total NOx Emissions for Route F Large PTW_GT (grammes)	1.227	
		Emissions over total route (Average speeds including stoppages)																				R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	2.634691932	0.003790045	0.000289096	3.11184E-07	0	0	0	1	5	120	DIT EFs database		Fit to g/h data				17.44			0.160			15.818	2.530	Total NOx Emissions for Route F Large CAR_GT (grammes)	2.530
ROUTE F - A1 Archway Road to Paiestra (DIESEL CARS)	SMALL	Emissions over total route (Average speeds including stoppages)																				R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	5.4852588	0.123076	0.000670753	2.07703E-05	-9.9725E-08	8.49508E-10	0	0.675	5	140	Assumption		Code R26 * 0.675				17.44			0.307			15.818	4.860	Total NOx Emissions for Route F Small Diesel CAR_GT (grammes)	4.860
		Emissions over total route (Average speeds including stoppages)																				R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	5.4852588	0.123076	0.000670753	2.07703E-05	-9.9725E-08	8.49508E-10	0	1	5	140	DIT EFs database		Fit to g/h data				17.44			0.455			15.818	7.200	Total NOx Emissions for Route F Medium Diesel CAR_GT (grammes)	7.200
		Emissions over total route (Average speeds including stoppages)																				R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k^*(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$	15.89742288	0.114914539	0.000179381	4.42012E-05	-3.3264E-07	2.66432E-09	0	0.3375	5	120	Assumption, based on TA limits		Code R40 * 0.675				17.44			0.352			15.818	5.560	Total NOx Emissions for Route F Large Diesel CAR_GT (grammes)	5.560

		Vehicle category				ROUTE F - Average-speed fuel consumption (l/100 km)													URM fuel consumption (l/100km)																	
		Code	Vehicle type	Fuel type	Engine capacity (cc) or weight limit (tonnes)	Emission standard	Function		Coefficients							Adjustment factor (k)	Valid speed range (km/h)		Data source	Report	Comment			Speeds (km/h)			Fuel consumption (l/100km)			km	litres fuel					
		Type	Formula (y=FC in l/100km; x=speed in km/h)				a	b	c	d	e	f	g	Minimum (km/h)	Maximum (km/h)						Urban	Rural	Motorway	Urban	Rural	Motorway										
ROUTE F - A10 Great Cambridge Road to Palestine (SMALL PETROL VEHICLES)	PTW in bus lane	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	10.5					0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)			24.15			1.400			16.005	0.224	Total fuel consumption for Route F Small PTW_BL (l/100km)	0.224	
	PTW in general traffic	R241	Moped	Petrol	< 50 cc	Euro 3	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0	10.5					0.133333	5	50	COPERT IV		Conv. to l/100km (petrol = 0.75 kg/l)			20.10			1.400			16.005	0.224	Total fuel consumption for Route F Small PTW_GT (l/100km)	0.224	
	CAR in general traffic	R005	Car <2.5 t	Petrol	<1400 cc	Euro 4	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2260.64896	59.44419222	0.292631778	0.003019904	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			17.44			8.188			15.818	1.295	Total fuel consumption for Route F Small CAR_GT (l/100km)	1.295
ROUTE F - A10 Great Cambridge Road to Palestine (MEDIUM PETROL VEHICLES)	PTW in bus lane	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.000130236	270.8540169	-0.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	130	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			24.15			5.219			16.005	0.835	Total fuel consumption for Route F Medium PTW_BL (l/100km)	0.835
	PTW in general traffic	R261	M/cycle, 4-stroke	Petrol	250-750	Euro 3	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.000130236	270.8540169	-0.6116958	0.248984889	-0.00291032	1.72236E-05	-3.9009E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			20.10			5.758			16.005	0.922	Total fuel consumption for Route F Medium PTW_GT (l/100km)	0.922
	CAR in general traffic	R012	Car <2.5 t	Petrol	1400-2000 cc	Euro 4	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				2532.3579	103.39716	-0.4316693	0.0066776	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			17.44			10.203			15.818	1.614	Total fuel consumption for Route F Medium CAR_GT (l/100km)	1.614
ROUTE F - A10 Great Cambridge Road to Palestine (LARGE PETROL VEHICLES)	PTW in bus lane	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			24.15			7.078			16.005	1.133	Total fuel consumption for Route F Large PTW_BL (l/100km)	1.133
	PTW in general traffic	R265	M/cycle, 4-stroke	Petrol	>750	Euro 3	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				0.0001399	386.40718	-15.730356	0.3686076	-0.0043411	2.564E-05	-5.839E-08	0.041969697	5	140	ARTEMIS WP500	Elst et al.(2006)	uCO2 conv. to l/100km (fuel=CH1.85petrol = 0.75 kg/l)			20.10			7.886			16.005	1.262	Total fuel consumption for Route F Large PTW_GT (l/100km)	1.262
	CAR in general traffic	R019	Car <2.5 t	Petrol	>2000 cc	Euro 4	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				3747.34351	155.9891339	-0.85269728	0.010317801	0	0	0	0.041969697	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			17.44			15.072			15.818	2.384	Total fuel consumption for Route F Large CAR_GT (l/100km)	2.384
ROUTE F - A10 Great Cambridge Road to Palestine (DIESEL CARS)	'SMALL'	R027	Car <2.5 t	Diesel	<1400 cc	Euro 5	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	105.9591303	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	Assumption		As Code 34			17.44			5.813			15.818	0.919	Total fuel consumption for Route F Small Diesel CAR_GT (l/100km)	0.919
	'MEDIUM'	R033	Car <2.5 t	Diesel	1400-2000 cc	Euro 4	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	146.6478778	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	DIT EFs database		Fit to l/h data, conv. to l/100km			17.44			7.319			15.818	1.158	Total fuel consumption for Route F Medium Diesel CAR_GT (l/100km)	1.158
	'LARGE'	R041	Car <2.5 t	Diesel	>2000 cc	Euro 5	Polynomial	$y=k(a+bx+cx^2+dx^3+ex^4+fx^5+gx^6)/x$				1298.84287	180.1506901	-1.55969189	0.012263812	0	0	0	0.037032086	5	140	Assumption		As Code 40			17.44			8.560			15.818	1.354	Total fuel consumption for Route F Large Diesel CAR_GT (l/100km)	1.354