
**ASSOCIATION OF GREATER MANCHESTER AUTHORITIES
GREATER MANCHESTER TRANSPORTATION UNIT**

**BACKGROUND INFORMATION SECTION
OF TRANSPORT STATISTICS
GREATER MANCHESTER 2009**

SUMMARY

The 2009 Transport Statistics Greater Manchester Report (GMTU Report 1580) is scheduled for publication during Autumn 2010. Individual draft sections of the report are being published on the GMTU Website (www.gmtu.gov.uk) upon completion. This background information section contains statistics on fuel prices, fares, population trends, car park spaces and prices, road lengths and transport schemes. The paragraph numbering reflects that of the full report.

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CONTENTS		Page
6	BACKGROUND INFORMATION	1
	Retail Price Index	3
	Fuel Prices.....	4
	Public Transport Fares	5
	Car Parking Provision and Charges in Greater Manchester	7
	Personal Travel –Metropolitan Area Statistics 2010	11
	Road Vehicles	14
	Weekly Earnings.....	14
	Air Transport.....	15
	Road Lengths in Greater Manchester 2009.....	17
	Population of Greater Manchester	18
	Greater Manchester Local Highway Authorities Transport Capital Allocation.....	20
	Highway Schemes	22
	Major Public Transport Schemes.....	29
	Weather Data	30

LIST OF TABLES

		Page
Table 6.1	Retail Price Index (All Items) 1987- 2009 – Base Jan 1987 = 100 ..	3
Table 6.2	The Cost of Fuel per Litre 1991-2009.....	4
Table 6.3	Public Transport Peak Fares for Average Journeys 1991 to 2009	6
Table 6.4	Public Transport Off-Peak Fares for Average Journeys 1991 to 2009	6
Table 6.5	Public Car Parks in Key Centres 2009 (excluding contract only car parks)	7
Table 6.6	Number of Spaces Available in Public Car Parks by Key Centre 2004 to 2009	8
Table 6.7	Average Prices in Public Car Parks by Key Centre 2004 to 2009 ...	9
Table 6.8	Usual Method of Travel to Work by Region of Workplace – Metropolitan Areas: Aug – Dec 2009 (%).....	11
Table 6.9	Time Taken to Travel to Work by Region of Workplace – Metropolitan Areas: Aug – Dec 2009	11
Table 6.10	Average time taken to travel to work (minutes) by mode– Metropolitan Areas:Aug – Dec 2009	12
Table 6.11	Trips per person per year by main mode of travel – Metropolitan Areas: 2003-2005.....	12
Table 6.12	Average distance travelled by main mode of travel – Metropolitan Areas: 2003-2005.....	12
Table 6.13	Average number of trips per person per year by purpose – Metropolitan Areas: 2003-2005	13
Table 6.14	Trips to and from school by main mode and region of residence – Metropolitan Areas: 2003-2005	13
Table 6.15	Motor vehicles (thousands) licensed by body type – Metropolitan Areas: 2009.....	14
Table 6.16	Mean gross weekly earnings – Metropolitan Area: 1999-2009.....	14
Table 6.17	Air Transport Statistics – Comparisons of Manchester and UK Trends.....	16
Table 6.18	Road Lengths in Greater Manchester 2009 (kilometres)	17
Table 6.19	The Registrar General’s Mid-Year Estimates of Population (Thousands).....	18
Table 6.20	Indices of Population Change (1971-2009)	18
Table 6.21	Household Estimates and Projections by District, Greater Manchester 1981- 2031 (Thousands)	19
Table 6.22	Total Capital Provision to Individual Districts 2000/1 to 2010/11 £ million.....	20
Table 6.23	Greater Manchester LTP Settlement 2010/11 (£ million).....	21
Table 6.24	Highway Schemes over £1 Million completed 1986- 2009	22
Table 6.25	Major Public Transport Schemes over £5 Million completed 1986- 2009	29

LIST OF FIGURES

Figure		Page
6	BACKGROUND INFORMATION	
6.1	Indices of Fuel Prices 1991-2009	4
6.2	Indices of Public Transport Fares 1991-2009	5
6.3	Spaces Available in Public Car Parks in Key Centres in Greater Manchester	10
6.4	Average Prices of Public Car Parks in Key Centres in Greater Manchester	10
6.5	Air Transport Indicators for Manchester and UK Airports	15
6.6	Monthly Mean Temperature 2005 to 2009	30
6.7	Monthly Rainfall 2005 to 2009	30
6.8	Average Monthly Hours of Sunshine 2005 to 2009	31

6 BACKGROUND INFORMATION

Retail Price Index

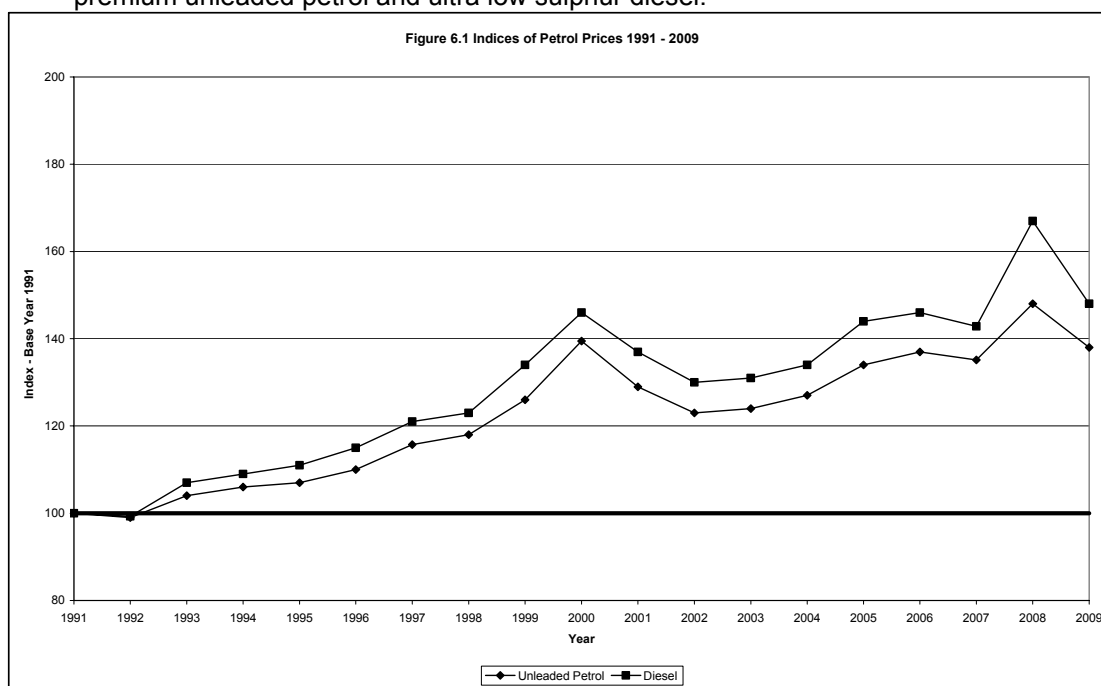
Table 6.1 Retail Price Index (All Items) 1987- 2009 – Base Jan 1987 = 100							
Year and Index		Quarterly RPI		Year and Index		Quarterly RPI	
1987	101.9	100.3		1999	165.4	163.7	
		101.9				165.5	
		102.1				165.6	
		103.2				166.8	
1989	115.2	111.7		2000	170.3	167.5	
		114.9				170.6	
		115.7				170.9	
		118.3				172.0	
1990	126.2	120.4		2001	173.4	171.8	
		126.0				173.9	
		128.1				174.0	
		130.1				173.8	
1991	133.5	130.8		2002	176.2	173.9	
		133.6				176.0	
		134.2				176.6	
		135.5				178.2	
1992	138.5	136.2		2003	181.3	179.2	
		139.1				181.3	
		139.0				181.8	
		139.6				182.9	
1993	140.7	138.7		2004	186.7	183.8	
		140.9				186.3	
		141.3				187.4	
		141.8				189.2	
1994	144.2	142.0		2005	192.0	189.7	
		144.5				191.9	
		144.6				192.6	
		145.5				193.7	
1995	149.2	146.8		2006	198.1	194.2	
		149.5				197.6	
		149.9				199.3	
		150.7				201.4	
1996	152.7	150.9		2007	206.6	203.0	
		152.8				206.3	
		153.1				207.1	
		154.0				209.8	
1997	157.5	154.9		2008	214.8	211.1	
		156.9				215.3	
		158.4				217.4	
		159.7				215.5	
1998	162.9	160.2		2009	213.7	210.9	
		163.2				212.6	
		163.7				214.4	
		164.4				216.9	

Fuel Prices

6.1 Table 6.2 and Figure 6.1 show indices of the cost of fuel per litre using 1991 as the base year.

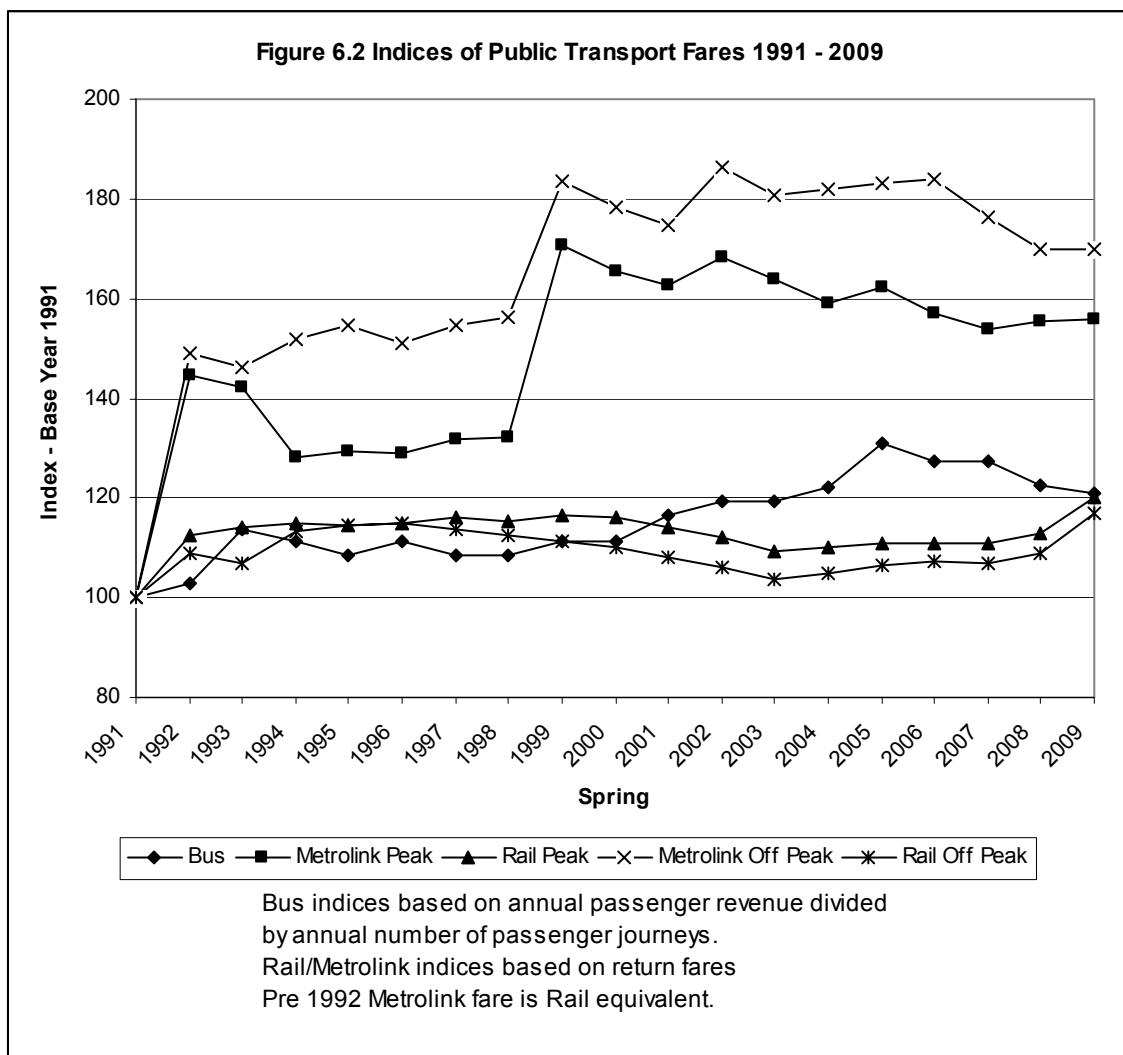
Table 6.2 The Cost of Fuel per Litre 1991-2009						
Year	Unleaded Petrol			Diesel		
	Cost (p)	Cost at 1991 Prices (p)	Index	Cost (p)	Cost at 1991 Prices (p)	Index
1991	45.07	45.07	100	43.82	43.82	100
1993	49.44	46.91	104	49.20	46.68	107
1994	51.58	47.75	106	51.53	47.71	109
1995	53.77	48.11	107	54.24	48.53	111
1996	56.52	49.41	110	57.71	50.45	115
1997	61.82	52.40	116	62.47	52.95	121
1998	64.80	53.10	118	65.50	53.68	123
1999	70.16	56.63	126	72.49	58.51	134
2000	79.93	62.66	139	81.34	63.76	146
2001	75.72	58.30	129	77.84	59.93	137
2002	73.24	55.49	123	75.46	57.17	130
2003	76.04	55.99	124	77.92	57.38	131
2004	80.22	57.36	127	81.91	58.57	134
2005	86.75	60.32	134	90.86	63.18	144
2006	91.32	61.54	137	95.21	64.16	146
2007	94.24	60.91	135	96.85	62.60	143
2008	107.08	66.55	148	117.51	73.03	167
2009	99.29	62.03	138	103.93	64.93	148

Note: Fuel prices are from DECC Energy Prices (DECC Website Table 4.1.2) and are for premium unleaded petrol and ultra low sulphur diesel.



Public Transport Fares

- 6.2 Tables 6.3 and 6.4 and Figure 6.2 show indices of peak and off-peak public transport fares relative to 1991 for an average journey by bus, Metrolink and rail. All fares have been adjusted for inflation to 1991 prices. Average journey lengths and fares were provided by GMPT. As Metrolink did not begin operation until 1992, the quoted 1991 fare is the equivalent rail fare.
- 6.3 The average bus fare has been calculated by dividing the annual bus passenger revenue by the annual number of bus passenger journeys.
- 6.4 As the average Metrolink journey is 4.5 miles the fare from Heaton Park to Manchester City Centre has been used as the representative fare. For train, the fare from Marple to Manchester City Centre was taken as typical, as this journey has the average journey length of 9.5 miles.
- 6.5 Return fares have been used to calculate the price indices for rail and Metrolink because this is the type of ticket most commonly purchased. In contrast, the average bus fare is for a single journey and includes concessionary fares.



Year	Bus (average revenue per person per journey)			Metrolink (4.5 miles, return)			Rail (9.5 miles, return)		
	Cost (£)	Cost (1991, £)	Index	Cost (£)	Cost at 1991 Prices (£)	Index	Cost (£)	Cost at 1991 Prices (£)	Index
1991	0.36	0.36	100	1.80 (R)	1.80	100	2.70	2.70	100
1992	0.38	0.37	103	2.70 (M)	2.60	144	3.15	3.04	113
1993	0.43	0.41	114	2.70 (M)	2.56	142	3.25	3.08	114
1994	0.43	0.40	111	2.50 (M)	2.31	128	3.35	3.10	115
1995	0.44	0.39	108	2.60 (M)	2.33	129	3.45	3.09	114
1996	0.46	0.40	111	2.65 (M)	2.32	129	3.55	3.10	115
1997	0.46	0.39	108	2.80 (M)	2.37	132	3.70	3.14	116
1998	0.47	0.39	108	2.90 (M)	2.38	132	3.80	3.11	115
1999	0.49	0.40	111	3.80 (M)	3.07	171	3.90	3.15	117
2000	0.51	0.40	111	3.80 (M)	2.98	166	4.00	3.14	116
2001	0.54	0.42	117	3.80 (M)	2.93	163	4.00	3.08	114
2002	0.57	0.43	119	4.00 (M)	3.03	168	4.00	3.03	112
2003	0.58	0.43	119	4.00 (M)	2.95	164	4.00	2.95	109
2004	0.62	0.44	122	4.00 (M)	2.86	159	4.15	2.97	110
2005	0.68	0.47	131	4.20 (M)	2.92	162	4.30	2.99	111
2006	0.68	0.46	127	4.20 (M)	2.83	157	4.45	3.00	111
2007	0.71	0.46	127	4.30 (M)	2.78	154	4.65	3.00	111
2008	0.71	0.44	123	4.50 (M)	2.80	155	4.90	3.05	113
2009	0.70	0.44	121	4.50 (M)	2.81	156	5.20	3.25	120

Year	Bus (average revenue)			Metrolink (4.5 miles, return)			Rail (9.5 miles, return)		
	Cost (£)	Cost at 1991 Prices (£)	Index	Cost (£)	Cost at 1991 Prices (£)	Index	Cost (£)	Cost at 1991 Prices (£)	Index
1991	0.36	0.36	100	1.10 (R)	1.10	100	1.60	1.60	100
1992	0.38	0.37	103	1.70 (M)	1.64	149	1.80	1.74	109
1993	0.43	0.41	114	1.70 (M)	1.61	146	1.80	1.71	107
1994	0.43	0.40	111	1.80 (M)	1.67	152	1.95	1.81	113
1995	0.44	0.39	108	1.90 (M)	1.70	155	2.05	1.83	114
1996	0.46	0.40	111	1.90 (M)	1.66	151	2.10	1.84	115
1997	0.46	0.39	108	2.00 (M)	1.70	155	2.15	1.82	114
1998	0.47	0.39	108	2.10 (M)	1.72	156	2.20	1.80	113
1999	0.49	0.40	111	2.50 (M)	2.02	184	2.20	1.78	111
2000	0.51	0.40	111	2.50 (M)	1.96	178	2.25	1.76	110
2001	0.54	0.42	117	2.50 (M)	1.92	175	2.25	1.73	108
2002	0.57	0.43	119	2.70 (M)	2.05	186	2.25	1.70	106
2003	0.58	0.43	119	2.70 (M)	1.99	181	2.25	1.66	104
2004	0.62	0.44	122	2.80 (M)	2.00	182	2.35	1.68	105
2005	0.68	0.47	131	2.90 (M)	2.02	183	2.45	1.70	106
2006	0.68	0.46	127	3.00 (M)	2.02	184	2.55	1.72	107
2007	0.71	0.46	127	3.00 (M)	1.94	176	2.65	1.71	107
2008	0.71	0.44	123	3.00 (M)	1.86	170	2.80	1.74	109
2009	0.70	0.44	121	3.00 (M)	1.87	170	3.00	1.87	117

Notes: Fares are at Spring of each year. The length of journey used is the average journey for the particular type of transport as provided in GMPTE literature. The bus fare is based on the annual average revenue per person for a single journey. In Metrolink fares, (R) indicates previous rail service (M) Metrolink service.

Car Parking Provision and Charges in Greater Manchester

6.6 Table 6.5 details the provision of off-street car parking in the Greater Manchester key centres. Data has been collected by observation and therefore may vary from figures published from other sources. Figures shown for local authority car parks include partnerships with private operators, e.g. NCP Manchester. Figures include free off-street parking for disabled badge holders, but do not include car parks with less than 10 spaces, other free parking facilities, customer only parking or fly parking.

6.7 Tables 6.6 and 6.7 and Figures 6.3 and 6.4 show the total number of spaces available and average price for three different time periods – 2 hours, 4 hours and 7 hours. Prices are actual prices in survey year – they have not been adjusted for inflation.

Table 6.5 Public Car Parks in Key Centres 2009 (excluding contract only car parks)						
Key Centre	LA Car Parks		Private Car Parks		Total	
	No. Car Parks	No. Spaces	No. Car Parks	No. Spaces	No. Car Parks	No. Spaces
Bolton	17 ¹	1,479	22	4,099	39	5578
Bury	12	1,592	5	1,284	17	2876
Manchester	36 ²	12,537	53	9,177	89	21714
Oldham	12 ³	1,752	8	2,639	20	4391
Rochdale	14 ⁴	1,256	3	1,155	17	2411
Eccles	4	355	2	409	6	764
Stockport	13	2,683	10	2,693	23	5376
Ashton-under-Lyne	12	1,082	7	1,105	19	2187
Altrincham	2	500	3	1,160	5	1660
Wigan	4	1,551	9	1,276	13	2,827
All 10 Key Centres	126	24,787	122	24,997	248	49,784

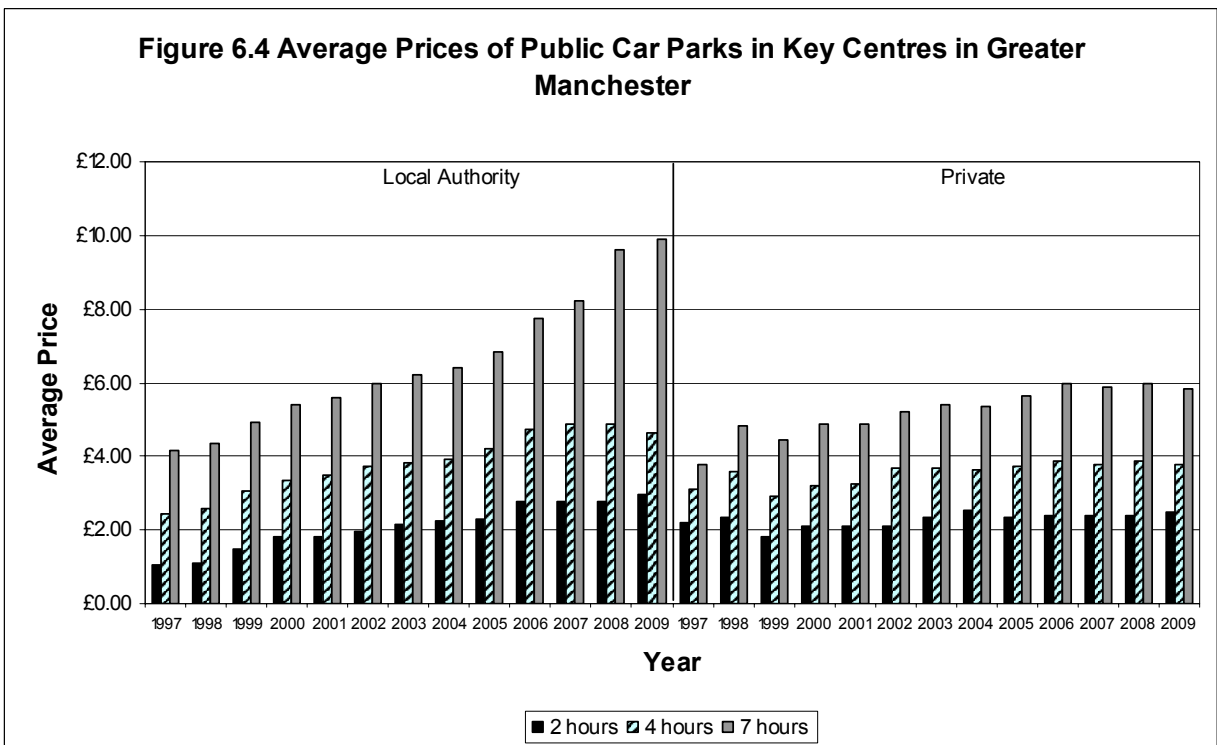
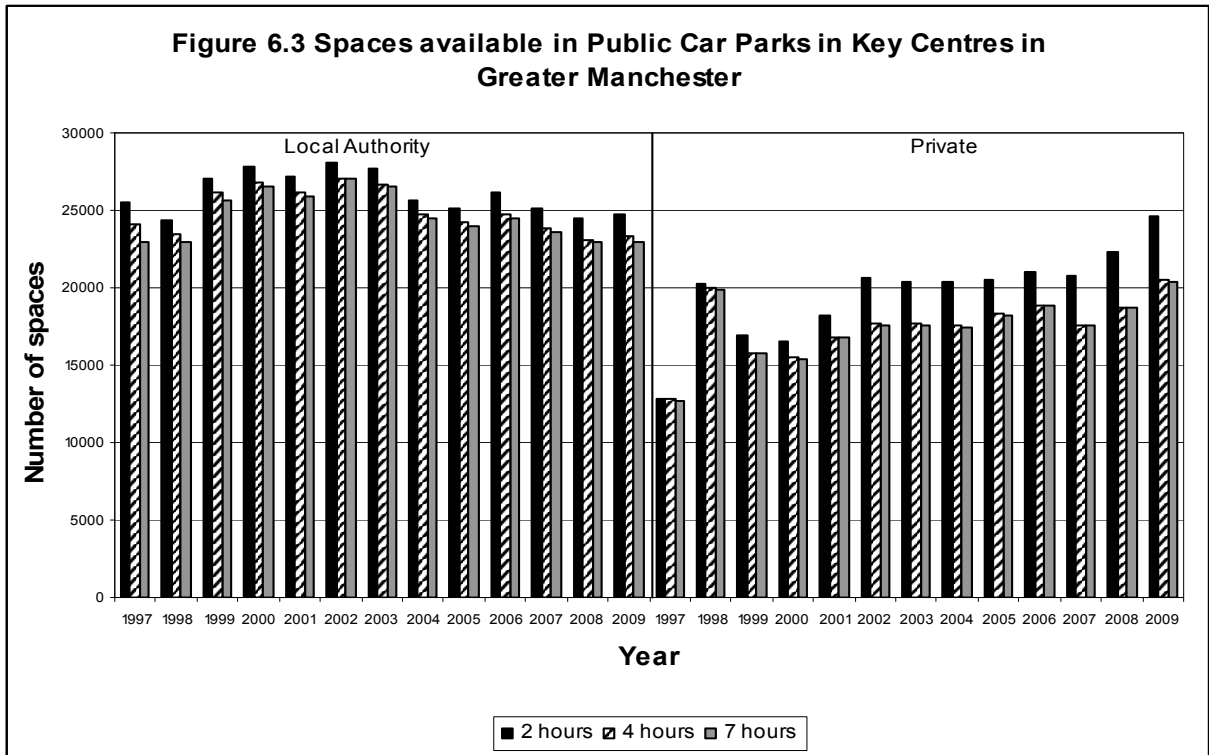
Notes:

1. Includes one car park (12 spaces) for disabled only.
2. Includes one car park (14 spaces) for disabled only.
3. Includes one car park (28 spaces) for disabled only.
4. Includes one car park (12 spaces) for disabled only.

Table 6.6 Number of Spaces Available in Public Car Parks by Key Centre 2004 to 2009													
Key Centre	Length of Stay	2004		2005		2006		2007		2008		2009	
		Local Authority	Private	Local Authority	Private	Local Authority	Private	Local Authority	Private	Local Authority	Private	Local Authority	Private
Bolton	2 hours	1446	3746	1407	3634	1400	4081	1391	3939	1659	4003	1467	4099
	4 hours	1351	3642	1312	3634	1323	4081	1291	3359	1559	3423	1367	3519
	7 hours	1116	3642	1077	3634	1100	4081	1068	3359	1336	3423	1134	3519
Bury	2 hours	2153	572	2137	542	2005	542	1853	562	1592	964	1592	964
	4 hours	2153	572	2137	542	2005	542	1853	562	1592	562	1592	562
	7 hours	2153	572	2137	542	2005	542	1853	562	1592	562	1592	562
Manchester	2 hours	12073	7586	11951	8219	14121	8077	13124	7170	12329	8213	12523	9177
	4 hours	12073	7486	11951	8219	14121	8077	13124	7122	12329	8107	12523	9129
	7 hours	12073	7486	11951	8219	14121	8077	13124	7122	12329	8107	12523	9071
Oldham	2 hours	1780	1937	1574	1910	1358	2075	1673	2033	1777	2023	1724	2639
	4 hours	1641	1937	1435	1910	1219	2075	1556	2033	1660	2023	1607	2023
	7 hours	1641	1902	1435	1875	1219	2040	1556	1998	1660	1988	1607	1988
Rochdale	2 hours	1429	1158	1412	1088	1295	1156	1272	1155	1242	1155	1244	1155
	4 hours	1429	1158	1429	1088	826	1156	829	1155	801	1155	974	1155
	7 hours	1429	1158	1429	1088	826	1156	829	1155	801	1155	801	1155
Eccles	2 hours	355	398	355	407	355	418	355	409	355	380	355	409
	4 hours	355	29	355	29	355	29	355	29	355	0	355	29
	7 hours	355	29	355	29	355	29	355	29	355	0	355	29
Stockport	2 hours	3100	2019	3118	2107	2724	2107	2667	2598	2667	2693	2683	2693
	4 hours	3100	600	3118	545	2724	545	2646	655	2646	750	2662	750
	7 hours	3100	600	3118	545	2724	545	2646	655	2646	750	2662	750
Ashton-under-Lyne	2 hours	901	1000	904	891	901	911	879	911	880	911	1082	1105
	4 hours	276	805	286	678	223	678	223	698	223	698	223	892
	7 hours	276	773	286	678	223	678	223	698	223	698	223	892
Altrincham	2 hours	906	1498	651	1133	415	1173	410	763	410	763	500	1160
	4 hours	836	778	651	1133	415	1173	410	763	410	763	500	1160
	7 hours	836	778	651	1133	415	1173	410	763	410	763	500	1160
Wigan	2 hours	1511	509	1563	525	1563	515	1563	1188	1551	1248	1551	1276
	4 hours	1511	509	1563	525	1563	515	1563	1188	1551	1248	1551	1276
	7 hours	1511	509	1563	525	1563	515	1563	1188	1551	1248	1551	1276
TOTAL GM	2 hours	25654	20423	25072	20456	26137	21055	25187	20728	24462	22353	24721	24677
	4 hours	24725	17516	24237	18303	24774	18871	23850	17564	23126	18729	23354	20495
	7 hours	24490	17449	24002	18268	24551	18836	23627	17529	22903	18694	22948	20402

Note: Totals may include some contract only spaces where car parks offer both contract and non-contract parking.

Table 6.7 Average Prices in Public Car Parks by Key Centre 2004 to 2009													
Key Centre	Length of Stay	2004		2005		2006		2007		2008		2009	
		Local Authority	Private	Local Authority	Private	Local Authority	Private	Local Authority	Private	Local Authority	Private	Local Authority	Private
Bolton	2 hours	£1.35	£2.26	£1.36	£2.33	£1.46	£1.91	£1.52	£1.92	£1.49	£1.83	£1.51	£1.86
	4 hours	£2.32	£3.13	£2.30	£3.12	£2.37	£2.76	£2.44	£2.94	£2.39	£2.81	£2.47	£2.66
	7 hours	£2.59	£4.42	£2.69	£4.42	£2.77	£3.91	£2.81	£4.33	£2.79	£4.21	£2.77	£3.64
Bury	2 hours	£0.90	£1.00	£1.10	£1.50	£1.29	£1.70	£1.35	£1.80	£1.44	£1.67	£1.80	£1.67
	4 hours	£2.87	£2.00	£3.31	£2.00	£3.73	£2.20	£4.80	£2.30	£4.56	£2.30	£5.11	£2.30
	7 hours	£2.94	£10.00	£3.44	£10.00	£3.82	£10.00	£4.80	£10.00	£4.85	£10.00	£5.47	£10.00
Manchester	2 hours	£3.54	£4.03	£3.59	£3.45	£3.97	£3.83	£3.99	£3.90	£4.13	£3.77	£4.37	£3.70
	4 hours	£5.43	£4.62	£5.87	£4.53	£6.19	£4.97	£6.33	£4.70	£6.54	£4.70	£6.03	£4.60
	7 hours	£8.51	£5.51	£9.01	£6.02	£9.68	£6.92	£10.43	£6.47	£13.22	£6.16	£13.52	£5.98
Oldham	2 hours	£1.18	£1.15	£1.38	£1.28	£1.57	£1.15	£1.70	£1.27	£1.68	£1.51	£1.68	£2.03
	4 hours	£2.09	£2.02	£2.39	£2.15	£2.77	£1.94	£2.86	£2.16	£2.81	£2.16	£2.79	£2.16
	7 hours	£4.58	£5.02	£4.91	£5.04	£5.04	£4.62	£5.31	£4.83	£5.15	£4.84	£5.05	£4.84
Rochdale	2 hours	£0.77	£1.00	£0.96	£1.00	£0.95	£1.06	£0.98	£1.06	£0.98	£1.00	£0.98	£1.06
	4 hours	£2.34	£2.01	£1.72	£2.01	£1.73	£2.01	£1.74	£2.01	£1.74	£2.21	£1.84	£2.27
	7 hours	£4.05	£6.81	£4.85	£7.12	£5.23	£6.83	£5.23	£6.83	£5.33	£7.19	£5.33	£7.25
Eccles	2 hours	£0.70	£1.07	£0.70	£1.06	£0.70	£1.09	£1.00	£1.07	£1.00	£1.00	£1.00	£1.07
	4 hours	£1.69	£1.79	£1.69	£1.79	£1.69	£2.55	£2.19	£2.00	£2.19	n.a.	£2.19	£2.00
	7 hours	£3.87	£1.79	£3.87	£1.79	£3.87	£2.55	£4.06	£2.00	£4.06	n.a.	£4.06	£2.00
Stockport	2 hours	£0.96	£0.78	£0.93	£0.70	£1.37	£0.70	£1.47	£0.88	£1.47	£1.03	£1.46	£1.03
	4 hours	£2.54	£5.50	£2.89	£6.00	£3.02	£7.00	£3.25	£6.91	£3.25	£7.47	£3.24	£7.78
	7 hours	£5.09	£5.50	£5.87	£6.00	£6.57	£7.00	£7.11	£6.91	£7.11	£7.47	£7.09	£7.78
Ashton-under-Lyne	2 hours	£1.85	£1.35	£1.78	£1.72	£1.88	£1.78	£1.87	£1.78	£1.87	£1.79	£1.90	£1.77
	4 hours	£2.50	£2.49	£1.98	£3.79	£2.50	£3.91	£2.50	£3.80	£2.50	£3.81	£2.50	£3.40
	7 hours	£3.50	£2.94	£2.77	£7.04	£3.50	£7.27	£3.50	£7.07	£3.50	£7.07	£3.50	£6.85
Altrincham	2 hours	£0.78	£2.62	£0.73	£1.13	£0.86	£1.38	£1.05	£1.89	£1.37	£1.89	£1.30	£1.93
	4 hours	£2.48	£3.38	£2.31	£3.54	£2.76	£4.14	£2.78	£4.85	£3.10	£4.54	£2.90	£2.86
	7 hours	£5.17	£6.22	£3.86	£3.85	£4.89	£5.83	£4.93	£5.90	£5.24	£5.90	£4.75	£5.86
Wigan	2 hours	£1.20	£3.53	£1.20	£3.84	£1.28	£3.97	£1.30	£3.15	£1.30	£2.81	£1.30	£2.93
	4 hours	£2.50	£4.23	£2.50	£4.86	£2.66	£4.99	£2.70	£3.60	£2.70	£4.14	£2.70	£4.30
	7 hours	£6.00	£4.31	£6.00	£4.42	£6.40	£4.54	£6.50	£4.53	£6.50	£6.98	£6.50	£7.40
TOTAL GM	2 hours	£2.23	£2.55	£2.31	£2.34	£2.76	£2.40	£2.76	£2.41	£2.51	£2.41	£2.95	£2.47
	4 hours	£3.91	£3.62	£4.20	£3.74	£4.75	£3.86	£4.88	£3.79	£4.89	£3.89	£4.66	£3.77
	7 hours	£6.40	£5.34	£6.84	£5.63	£7.74	£5.97	£8.24	£5.89	£9.63	£5.97	£9.89	£5.83



Personal Travel –Metropolitan Area Statistics 2010

6.8 The following tables are compiled from figures given on the DfT website for Regional Transport Statistics and provide a comparison of personal travel statistics for metropolitan areas. In addition to tables reproduced here, the reports also provides regional statistics on public transport passenger numbers, freight transport and petrol & diesel consumption. The reports can be accessed via the Policy, Guidance and Research page of the DfT website (<http://www.dft.gov.uk>).

6.9 Table 6.8 shows the usual method of travel to work by region of workplace.

Table 6.8 Usual Method of Travel to Work by Region of Workplace – Metropolitan Areas: Aug – Dec 2009 (%)								
Met Area	Car	(% as Driver)	P/C	Bus	Rail¹	Walk	M/C	No. employed ('000s)
GM	75	86	2	9	3	10	*	981
M	74	87	*	8	7	8	*	450
SY	75	82	*	8	2	12	*	476
TW	70	84	*	13	6	9	*	443
WM	75	88	2	7	2	8	1	1,028
WY	74	83	*	9	4	11	*	857

Source DfT Regional Transport Statistics July 2010, Table 1.12.& 1.15.

GM=Greater Manchester, M=Merseyside, SY=South Yorkshire, TW=Tyne & Wear, WM= West Midlands, WY = West Yorkshire

Notes: ¹ including Light Rail

6.10 Table 6.9 shows the time taken to travel to work by metropolitan area.

Table 6.9 Time Taken to Travel to Work by Region of Workplace – Metropolitan Areas: Aug – Dec 2009							
Met Area	Cumulative Percentage				Mean Time (mins)		
	<20 min	<40 min	<60 min	<90 min	Men	Women	All
GM	39	75	88	97	29	26	27
M	38	81	94	98	25	19	22
SY	44	82	92	99	26	22	24
TW	45	81	93	98	25	23	24
WM	37	77	90	97	29	25	27
WY	40	78	90	98	27	25	26

Source Source: DfT Regional Transport Statistics July 2010 , Table 12.3

GM=Greater Manchester, M=Merseyside, SY=South Yorkshire, TW=Tyne & Wear, WM= West Midlands, WY = West Yorkshire

- 6.11 Table 6.10 shows the average time taken to travel to work by mode and metropolitan area of workplace.

Table 6.10 Average time taken to travel to work (minutes) by mode – Metropolitan Areas: Aug – Dec 2009							
Met Area	Car	P/C	Bus	Rail¹	Walk	M/C	All Modes
GM	28	17	41	44	12	*	27
M	24	*	34	38	16	*	25
SY	23	*	36	52	14	*	24
TW	21	*	37	42	14	*	24
WM	26	20	36	52	15	*	27
WY	25	*	34	55	16	*	26

Source DfT Regional Transport Statistics July 2010, Table 12.4.

GM=Greater Manchester, M=Merseyside, SY=South Yorkshire, TW=Tyne & Wear, WM= West Midlands, WY = West Yorkshire

Notes: 1 including Light Rail

- 6.12 Table 6.11 shows the average number of trips per person per year by main mode of travel by metropolitan area for 2003-05.

Table 6.11 Trips per person per year by main mode of travel – Metropolitan Areas: 2003-2005						
Met Area	Walk	Car dr	Car pass	Bus	Other PT	All Modes
GM	264	427	252	87	33	1,086
M	252	412	212	98	39	1,034
SY	228	439	234	78	33	1,034
TW	281	363	220	116	50	1,048
WM	224	395	233	103	29	996
WY	230	392	225	77	31	970

Source DfT Regional Transport Statistics 2006, Table A3. (National Travel Survey).

- 6.13 Table 6.12 shows average number of miles travelled per year by mode and metropolitan area for 2003-05.

Table 6.12 Average distance travelled by main mode of travel – Metropolitan Areas: 2003-2005						
Met Area	Walk	Car dr	Car pass	Bus	Other PT	All Modes
GM	211	3,057	1,888	339	570	6,278
M	210	3,200	1,642	336	616	6,156
SY	180	3,846	2,177	318	604	7,363
TW	214	2,525	1,370	447	577	5,273
WM	177	2,784	1,749	417	571	5,838
WY	185	3,270	1,893	330	528	6,423

Source DfT Regional Transport Statistics 2006, Table A4. (National Travel Survey).

6.14 Table 6.13 details trips by purpose by metropolitan area for 2003/05.

Table 6.13 Average number of trips per person per year by purpose – Metropolitan Areas: 2003-2005						
Purpose	GM	M	SY	TW	WM	WY
Commuting	153	160	158	160	160	160
Business	37	33	38	29	35	28
Education	80	64	61	64	82	59
Shopping	220	220	218	235	195	199
Personal business	110	111	103	104	103	101
Escort	159	136	135	150	143	130
Visiting friends	181	183	181	193	163	165
Sport & entertainment	75	59	68	53	56	63
Holidays & day trips	34	30	35	27	30	30
Other including just walk	37	39	39	32	30	35
All purposes	1086	1034	1034	1048	996	970

Source DfT Regional Transport Statistics 2006, Table A5. (National Travel Survey).
GM=Greater Manchester, M=Merseyside, SY=South Yorkshire, TW=Tyne & Wear, WM=West Midlands, WY = West Yorkshire

6.15 Table 6.14 shows trips to and from school by main mode and region of residence for 2003-05.

Table 6.14 Trips to and from school by main mode and region of residence – Metropolitan Areas: 2003-2005							
Met Area	Age 5-16 (modal split %)					Avg. length (miles)	
	Walk	Car	Bus	Other	All modes	Age 5-10	Age 11-16
GM	48	31	19	2	100	1.2	2.2
M	44	33	20	4	100	1.3	3.0
SY	39	35	26	-	100	1.2	2.4
TW	63	26	10	1	100	1.1	1.6
WM	48	35	16	1	100	1.2	2.5
WY	58	24	17	2	100	1.2	2.0

Source DfT Regional Transport Statistics 2006, Table A6. (National Travel Survey).

Road Vehicles

6.16 Table 6.15 shows motor vehicles licensed by body type in 2009.

Table 6.15 Motor vehicles (thousands) licensed by body type – Metropolitan Areas: 2009							
Met Area	Cars	M/C ¹	Light Goods	Heavy Goods	Bus/Coach	Other ²	Total
GM	1105.6	36.0	114.0	28.7	6.5	10.8	1301.6
M	527.8	19.0	48.9	5.6	4.4	5.2	611.0
SY	544.1	24.2	55.8	11.1	3.6	7.8	646.5
TW	396.9	14.4	39.3	5.6	3.0	4.2	463.4
WM	1254.6	37.9	192.9	26.7	8.6	10.4	1531.2
WY	926.2	36.0	99.4	20.8	5.7	11.2	1099.2

Source DfT Regional Transport Statistics April 2010 Table 6.1.

GM=Greater Manchester, M=Merseyside, SY=South Yorkshire, TW=Tyne & Wear, WM= West Midlands, WY = West Yorkshire

Notes: ¹ includes scooters & mopeds
² includes agricultural tractors

Weekly Earnings

6.17 Table 6.16 shows mean gross weekly earnings by Metropolitan area: 1999-2009.

Table 6.16 Mean gross weekly earnings – Metropolitan Area: 1999-2009													
Met Area	Pounds												
	1999	2000	2001	2002	2003	2004 ¹	2004 ¹	2005	2006 ²	2006 ²	2007	2008 ³	2009
GM	384.7	397.9	418.4	434.4	450.1	473.8	465.2	482.7	510.1	507.0	526.5	528.5	549.8
M	378.3	393.9	419.2	433.8	427.0	448.9	448.6	475.6	486.8	482.8	501.8	522.6	536.6
SY	353.9	367.9	383.6	402.0	421.1	445.6	439.8	449.7	471.7	468.7	481.9	500.8	516.9
TW	359.5	379.5	391.7	404.7	413.7	442.8	440.9	466.6	479.3	476.9	474.5	507.6	514.7
WM ³	382.6	392.8	424.0	433.9	442.3	463.6	466.3	474.9	493.2	490.9	516.8	526.8	537.8
WY	375.1	389.6	409.1	426.1	449.8	467.4	458.4	485.2	491.3	488.5	500.0	520.8	536.4

Source: Office For National Statistics, Annual Survey of Hours and Earnings 2009, Table 7.1a

GM=Greater Manchester, M=Merseyside, SY=South Yorkshire, TW=Tyne & Wear, WM= West Midlands, WY = West Yorkshire

- In 2004 additional supplementary surveys were introduced to improve the coverage of the Annual Survey of Hours and Earnings. Figures are presented both excluding and including the additional surveys for comparison purposes. Further information is available at <http://www.statistics.gov.uk/StatBase/Product.asp?vlnk=13101>
- In 2006 a small number of methodological changes were introduced to improve the quality of the survey. These include changes to the sample design itself, as well as the introduction of an automatic occupation coding tool. Figures are presented both excluding and including these changes for comparison purposes.
- Data for the West Midlands (1999-2006) and for all areas in 2008 have been revised from previous reports.

Note: Earnings based on full time employees on adult rates whose pay for the survey pay period was unaffected by absence.

Air Transport

6.18 Table 6.17 shows landing and take-offs, passenger arrivals and departures and cargo handled for Manchester Airport and all UK airports between 1995 and 2008. Figure 6.5 illustrates these as indices.

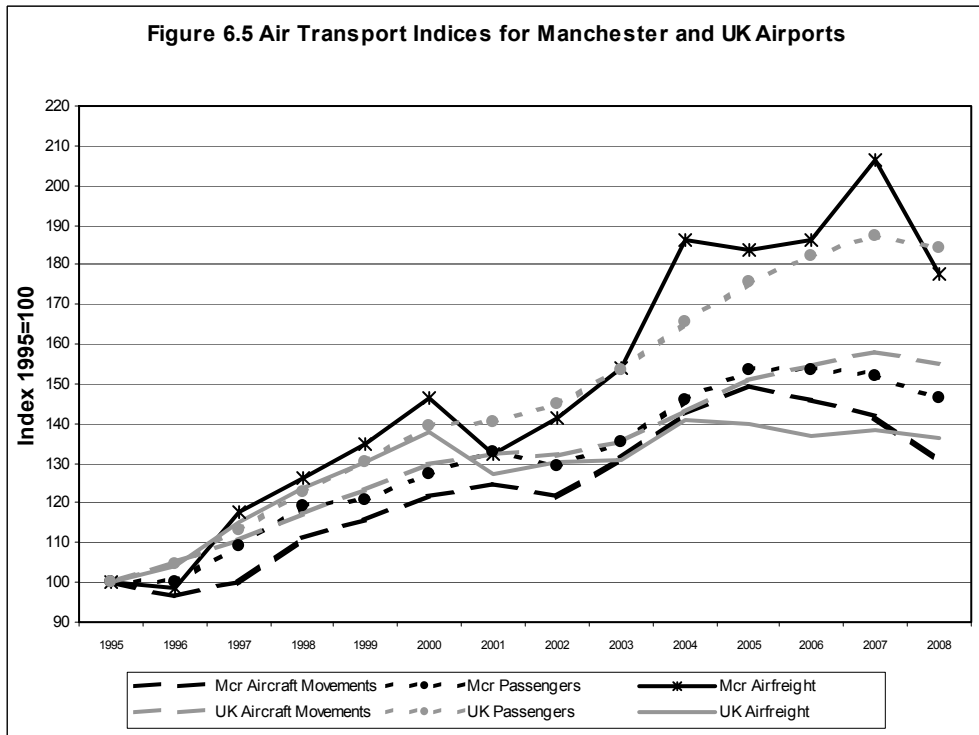


Table 6.17 Air Transport Statistics – Comparisons of Manchester and UK Trends														
		1995	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Landings and take-offs (1000s)	MCR Total	146	146	162	169	178	182	178	192	208	218	213	207	191
	MCR Index	100	100	111	116	122	125	122	132	142	149	146	142	131
	UK Total	1251	1385	1464	1544	1623	1654	1647	1695	1786	1887	1932	1976	1938
	UK Index	100	111	117	123	130	132	132	135	143	151	154	158	155
Passenger arrivals and departures (Millions)	MCR Total	14.4	15.7	17.2	17.4	18.3	19.1	18.6	19.5	21.0	22.1	22.1	21.9	21.1
	MCR Index	100	109	119	121	127	133	129	135	146	153	153	152	147
	UK Total	115.3	130.7	141.7	150.5	160.9	161.7	167.3	176.7	191.0	202.7	209.9	216.0	212.6
	UK Index	100	113	123	131	140	140	145	153	166	176	182	187	184
Cargo handled (Thousand tonnes)	MCR Total	80	94	101	108	117	106	113	123	149	147	149	165	142
	MCR Index	100	118	126	135	146	133	141	154	186	184	186	206	178
	UK Total	1640	1892	2031	2137	2258	2089	2140	2148	2308	2294	2247	2272	2237
	UK Index	100	115	124	130	138	127	130	131	141	140	137	139	136

Source is CAA via Transport Statistics GB 2009 Table 2.2 a-c

NB: UK Data from 1998 onwards has been revised from previous reports to exclude figures for the Isle of Man and eliminate double counting. Figures for Manchester include double counting.

Road Lengths in Greater Manchester 2009

Table 6.18 Road Lengths in Greater Manchester 2009 (kilometres)													
	Trunk			Principal			B Roads		C Roads		U Roads		All Roads
	Motorways	Rural	Urban	Motorways	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	
Bolton	18.3	0.0	0.0	0.0	27.2	74.2	14.0	34.5	27.3	19.6	65.0	710.5	990.6
Bury	20.7	0.0	0.0	0.0	6.0	49.1	8.1	25.2	2.2	35.4	54.7	487.3	688.7
Manchester	17.4	0.0	2.2	3.2	2.0	110.2	1.2	36.2	0.0	83.9	12.6	1102.0	1370.9
Oldham	6.6	0.2	4.0	0.0	39.5	54.6	7.9	23.1	3.5	28.1	99.4	558.8	825.7
Rochdale	24.2	0.0	0.0	0.0	15.5	64.1	6.2	17.7	23.7	10.6	54.5	569.3	785.8
Salford	30.1	0.0	0.0	0.0	3.3	84.6	1.0	29.2	25.3	3.3	0.0	621.2	798.0
Stockport	12.4	0.0	0.0	0.0	10.1	74.0	5.0	33.3	15.6	27.8	59.9	755.1	993.2
Tameside	15.3	2.1	1.1	0.0	3.5	59.6	3.0	28.8	2.1	35.3	60.2	555.0	766.0
Trafford	9.5	0.0	0.0	0.0	6.9	51.5	9.4	43.6	10.9	37.6	42.3	595.2	806.9
Wigan	16.7	0.0	0.0	0.0	30.0	86.6	19.8	36.4	36.1	31.6	96.5	804.9	1158.6
Greater Manchester	171.2	2.3	7.3	3.2	144.0	708.1	75.6	308.0	146.7	313.2	545.1	6759.3	9184.4
		9.6			852.5		383.6		459.9		7304.4		

Notes:

The Trunk Motorway figures shown above are based on measurement of the GIS based Oscar network. They include "spurs" but exclude slip roads. All other figures are as at April 2009 and were published on the DfT's website in June 2010

Urban roads are those within an urban area of 10,000 pop or more (1991 definition of urban settlement; 2001 National Census estimate).

Rural roads are those outside an urban area.

Road lengths used in tables of vehicle kilometres differ slightly in this report as a simplified network has been used.

Population of Greater Manchester

6.19 The Registrar General's mid-year estimates of population for each district of Greater Manchester for the years 1971, 1981, 1991 and 1998-2008 are given in Table 6.19. The Office for National Statistics has recently revised the population estimates for 2002 to 2005. Table 6.20 shows indices of population over time. Table 6.21 shows household estimates for 1981, 1991 and 1998 – 2007 and projections for 2011-2031 by district.

Table 6.19 The Registrar General's Mid-Year Estimates of Population (Thousands)														
	1971	1981	1991	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Bolton	260.9	262.1	261.6	260.4	260.2	261.3	261.8	262.6	262.8	262.6	262.4	262.3	263.7	265.1
Bury	175.7	177.1	178.3	181.0	180.9	180.7	181.2	181.9	181.7	182.4	182.9	183.3	181.6	182.6
Manchester	553.6	459.2	432.7	416.4	421.8	422.9	425.7	430.7	436.0	444.6	452.0	458.1	473.2	483.8
Oldham	224.9	221.4	218.5	218.4	218.1	218.5	218.4	218.6	219.0	219.5	219.6	219.5	218.2	218.8
Rochdale	204.3	208.2	203.9	204.9	206.1	206.4	206.4	207.1	206.7	206.6	206.5	206.1	204.4	204.7
Salford	281.5	249.2	230.8	220.0	218.7	217.0	216.1	216.5	216.1	216.7	218.0	219.2	223.0	225.1
Stockport	294.1	292.6	288.6	285.8	284.4	284.6	283.5	283.1	282.5	281.4	280.6	280.9	282.5	283.7
Tameside	222.0	218.6	218.0	213.6	212.9	213.1	213.4	213.7	213.9	213.8	214.4	214.4	214.4	215.4
Trafford	229.8	222.9	215.8	213.0	211.3	210.2	209.6	210.6	210.7	210.9	211.8	212.8	213.7	215.3
Wigan	303.3	307.0	305.6	302.0	302.0	301.5	301.9	303.1	303.9	304.8	305.5	305.6	305.4	306.5
Greater Manchester	2750.1	2618.2	2553.6	2515.5	2516.3	2516.1	2518.1	2527.8	2533.5	2543.3	2553.8	2562.2	2580.0	2600.9

Source: Population Estimates Unit, ONS: Crown Copyright.

Note: Figures may not sum due to rounding

Table 6.20 Indices of Population Change (1971-2009)														
	1971	1981	1991	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Bolton	100	100	100	100	100	100	100	101	101	101	101	101	101	102
Bury	100	101	101	103	103	103	103	104	103	104	104	104	103	104
Manchester	100	83	78	75	76	76	77	78	79	80	82	83	85	87
Oldham	100	98	97	97	97	97	97	97	97	98	98	98	97	97
Rochdale	100	102	100	100	101	101	101	101	101	101	101	101	100	100
Salford	100	89	82	78	78	77	77	77	77	77	77	78	79	80
Stockport	100	99	98	97	97	97	96	96	96	96	95	96	96	96
Tameside	100	98	98	96	96	96	96	96	96	96	97	97	97	97
Trafford	100	97	94	93	92	91	91	92	92	92	92	93	93	94
Wigan	100	101	101	100	100	99	100	100	100	100	101	101	101	101
Greater Manchester	100	95	93	91	91	91	92	92	92	92	93	93	94	95

	1981	1991	1998	1999	2000	2001	2002	2003	2004	2005	2006		2011	2016	2021	2026	2031
Bolton	98	104	107	107	107	108	109	110	110	111	111		114	118	122	125	129
Bury	65	71	74	74	74	74	75	76	76	76	77		81	85	89	93	96
Manchester	174	176	162	162	165	179	182	185	188	192	197		219	241	260	276	291
Oldham	82	86	87	87	87	88	88	89	89	89	90		92	96	100	103	106
Rochdale	76	79	81	82	83	84	84	85	85	85	85		88	92	96	99	102
Salford	93	95	94	93	93	94	94	95	95	96	97		101	107	111	116	121
Stockport	109	117	120	120	120	121	121	121	121	121	122		125	130	135	140	145
Tameside	82	88	89	89	89	90	91	91	92	92	93		97	103	108	112	117
Trafford	82	87	89	89	89	89	90	90	91	91	92		96	102	108	114	120
Wigan	113	120	124	124	125	125	126	127	128	129	130		136	142	148	153	157
Greater Manchester	975	1022	1029	1028	1033	1052	1059	1069	1075	1084	1093		1151	1215	1277	1332	1384

Source: Table 406: Household estimates and projections by district, England, 1981-2031.xls at www.communities.gov.uk/housing/housingresearch/housingstatistics/housingstatisticsby/household estimates/livetables-households/

Notes:

1. Estimates to 2006 are based on ONS mid-year population estimates and projected rates of household formation from trends in Census and Labour Force Survey data. Other data sources, such as the Labour Force Survey, provide direct sample survey estimates of the number of households in each year and therefore may differ from the estimates shown here. Estimates for 2001 to 2004 are subject to small changes from the 2004-based estimates due to changes in the household estimates and projections model which now undertakes calculations on unrounded figures.
2. All projections are 2006-based. The 2006-based household projections are linked to the Office for National Statistics 2006-based Population Projections, and are not an assessment of housing need or do not take account of future policies. They are an indication of the likely increase in households given the continuation of recent demographic trends
3. Sub regional household projections are less robust than those at the regional level, particularly for those areas with relatively small numbers of households. This should be taken into account in using the figures. Due to rounding, districts may not sum to regional totals.
4. The sub regional household projections are not 'National Statistics'.

**Greater Manchester Local Highway Authorities
Transport Capital Allocation**

Table 6.22 Total Capital Provision to Individual Districts 2000/1 to 2010/11 £ million											
	2000/ 2001	2001/ 2002	2002/^{2&3} 2003	2003/⁴ 2004	2004/⁵ 2005	2005/⁶ 2006	2006/⁷ 2007	2007/⁷ 2008	2008/⁷ 2009	2009/⁷ 2010	2010/⁸ 2011
Bolton	2.895	6.498	6.818	10.062	7.822	6.171	6.753	6.247	8.013	6.605	6.043
Bury	1.834	2.956	3.613	4.964	3.931	3.177	3.191	2.748	3.677	3.203	2.822
Manchester	5.143	16.037	17.472	21.269	20.109	15.653	10.374	8.960	10.267	10.551	7.679
Oldham	2.420	3.476	8.969	8.893	8.771	8.056	6.876	4.597	4.851	3.720	3.291
Rochdale	2.189	3.880	3.394	4.069	3.839	3.142	3.624	4.276	3.934	4.548	4.344
Salford	5.409	13.660	16.791	14.856	20.318	7.589	3.979	4.410	4.545	4.386	3.473
Stockport	1.914	3.211	4.897	7.595	11.013	11.180	6.204	10.928	7.642	7.623	7.502
Tameside	1.811	3.467	3.309	5.828	10.325	4.486	4.486	4.688	4.964	5.198	4.649
Trafford	4.917 ¹	8.074 ¹	2.861	3.932	3.049	2.651	2.575	2.811	3.107	2.762	2.452
Wigan	2.218	4.847	6.154	4.548	9.341	4.109	4.031	3.853	4.850	5.662	4.320
Total	30.750	66.106	74.278	86.016	98.517	66.214	52.093	53.518	55.850	54.258	46.575

Notes:

- ¹ The figures for Trafford include £3.355 million in 2000/01 and £5.769 million in 2001/02 as lead authority for Quality Bus Corridors and Site Specific Bus Priority Schemes.
- ² QBC allocation for 2002/03 onwards has been allocated individually to Districts on the basis of work programmes, rather than being held by Trafford MBC as lead authority.
- ³ This is the first year that Authorities were allocated funds through the Single Capital Pot (SCP). The 2002/03 figures show the amounts included in the SCP specifically for transport by the DTLR.
- ⁴ Totals include funding (£13.49 million) that was held back pending the submission of further information to the DfT.
- ⁵ Total includes funding (£8.225 million) that was held back pending the submission of further information to the DfT.
- ⁶ Does not include £5.114 million for MSIRR allocated as TSG.
- ⁷ Major scheme allocation no longer part of LTP process and not included from 2006/07.
- ⁸ Figures incorporate 25% in-year cuts to final ITB allocations

Table 6.23 Greater Manchester LTP Settlement 2010/11 (£ million)							
Local Authority	Integrated Transport Block			Maintenance			Total
	Other*	SEMMMS	All Integrated*	Formula	PRN/ Exceptional /Detrunk	All Maintenance	
Bolton	0.814		0.814	4.229	1.000	5.229	6.043
Bury	0.533		0.533	1.789	0.500	2.289	2.822
Manchester	1.654	1.131	2.785	4.894	0.000	4.894	7.679
Oldham	0.694		0.694	2.597	0.000	2.597	3.291
Rochdale	0.640		0.640	2.704	1.000	3.704	4.344
Salford	0.782		0.782	2.691	0.000	2.691	3.473
Stockport	0.777	2.258	3.035	2.601	1.866	4.467	7.502
Tameside	0.620	0.880	1.500	2.599	0.550	3.149	4.649
Trafford	0.596		0.596	1.856	0.000	1.856	2.452
Wigan	0.892		0.892	3.028	0.400	3.428	4.320
GMITA	24.843	0.637	25.480	0.000	0.000	0.000	25.4800
Total	32.845	4.906	37.751	28.988	5.316	34.304	72.055

Notes: 'Other' consists of minor works (£29.345 million) and GM Transport Infrastructure Fund (£3.5 million).

Major schemes not included above include £72.606m top slice for Metrolink Phase 3a.; £25.884m for the Ashton and East Didsbury Metrolink, £14.927m for retaining walls (between Oldham, Rochdale, Stockport and Tameside) and £2.7m for UTC.

'PRN' refers to structural maintenance on the Primary Route Network.
Exceptional refers the Exceptional Maintenance Scheme for Dan Bank Slope in Stockport (£1.866m). Capital maintenance payments for detrunked roads in 2010/11 have been replaced by revenue payments.

Extra funds not included above are:-

1. Specific Road Safety Grant capital (£664,000) to fund safety camera operation, the road safety central team, publicity campaigns & resource development.
2. Transport Resource Grant consisting of Specific Road Safety Grant revenue £2.986 million and Detrunked Roads Maintenance revenue; Stockport (£311,000) and Tameside (£52,000).

Highway Schemes

Table 6.24 Highway Schemes over £1 Million completed 1986- 2009				
Authority	Name	Description	Cost £M	Opening Date
Stockport	Southern Link Rd (B5465 St Marys Way)	A new single carriageway link 0.8 km providing a link between Hall St (A626) and Wellington Rd South (A6).	1.2	Jun-86
Tameside	Hyde Town Centre Bypass (A627 Clark Way)	A new route comprising 0.8 km new dual carriageway and 0.5 km single carriageway widening of existing roads providing a northern bypass between Manchester Rd and Market St.	1.9	Jul-86
Stockport	A626 Diversion Stockport (A626 St Marys Way)	A new wide single carriageway link 0.9 km long between Hall St A626 and the M63 (now M60)/A626 roundabout.	3.4	Dec-86
Manchester/ Salford	A6042 Manchester and Salford Inner Relief Route Blackfriars Rd - Jubilee St	New dual carriageway link 0.6 km long which includes a new bridge across the River Irwell between Manchester and Salford linking Blackfriars Rd (A6041) and Great Ducie St (A56).	4.6	Mar-87
Trafford	A6144(M) Carrington Spur	A new single carriageway motorway link (A6144 (M)) linking the M63 Junction 6 (now M60 Jn 8) to Carrington Ln (A6144).	7.1	Dec-87
Manchester	A5103 Princess Rd Improvement, Moss Side	Widening to dual carriageway standard of the final 1 km section of the A5103 between the M56 and Manchester City Centre, concluding with changes to Greenheys Ln junction.	2.9	Mar-88
Salford	A6042 Manchester and Salford Inner Relief Route Blackfriars Rd - Gore St	A new dual carriageway link 0.5 km long between Chapel St (A6) and Blackfriars Rd (A6041).	5.1	Aug-88
Department of Transport	M62 Eastbound Climbing Lane (Junctions 21 to 22)	Climbing Lane	3.8	Dec-88
Salford	A57 Regent Rd Improvement M602 to Water St	Widening of dual carriageway standard of 1.5 km of Regent Rd (A57) between the M602 and the Regional Centre.	6.6	Jul-89

Table 6.24 Highway Schemes over £1 Million completed 1986- 2009				
Authority	Name	Description	Cost £M	Opening Date
Department of Transport	M63/M66 Portwood - Denton	A new dual 3-lane carriageway route linking the M63 at Portwood at the southern end, to the M67 at Denton at the northern end. This is the last but one section of the Manchester Outer Ring Road (now M60 Jns 24-27).	50.1	Apr-89
Manchester	A6042 Manchester and Salford Inner Relief Route Cheetham Hill Rd - Jubilee St	Widening of 0.3 km of New Bridge St to dual carriageway standard between Great Ducie St (A56) and Cheetham Hill Rd (A665).	1.1	Jun-89
Manchester/Salford	Manchester and Salford Inner Relief Route A57 Regent Rd - A56 Chester Rd (Phase 1)	Improvement at the junction of Regent Rd (A57) and Water St (A6143).	1.2	Jul-89
Wigan	Wigan Inner Relief Road A49 River Way/Central Park Way	A new route comprising new dual carriageway, new single carriageway and improvements to existing roads to provide a bypass to the A49 around Wigan town centre between Wallgate to the south and Wigan Ln to the north.	14.8	Oct-89
Manchester	A665 Manchester and Salford Inner Relief Route Redhill St - Fairfield St	Widening of dual carriageway standard of 0.5 km of the A665 Great Ancoats St and Pin Mill Brow including a new junction arrangement at the Pin Mill Brow (A665) and Ashton Old Rd (A635).	6.5	Oct-89
Bolton	A666 St. Peter's Way Extension/A673 Topp Way Dualling	Dual carriageway extension (0.7 km long) to A666 St. Peter's Way and addition of second carriageway to 0.5 km long A673 Topp Way in the north of Bolton town centre.	5.2	Nov-89
Department of Transport	M63 Widening (Junctions 1 to 7)	Widening of the M63 from dual 2-lane carriageway to dual 3-lane carriageway in four separate stages (now M60 Jns 7-12).	51.8	Mar-90
Salford	A5063 Trafford Rd Improvement, M602 - The Quays	Widening of dual carriageway standard of 0.8 km of A5063 Trafford Road between the Salford Quays Development and the M602.	4.5	Jun-90

Table 6.24 Highway Schemes over £1 Million completed 1986- 2009				
Authority	Name	Description	Cost £M	Opening Date
Wigan	A572 Bradshawgate Diversion, Leigh Spinning Jenny Way	A 1.5 km long single carriageway bypass to the A572 Bradshawgate, Leigh, which is a major shopping street.	4.7	Jun-90
Bury	A665 Blackburn St Diversion, Radcliffe Pilkington Way	Dual carriageway bypass of Radcliffe town centre between Blackburn St/Stand Ln junction and Blackburn St/Darbyshire St junction.	7.9	Jun-91
Bolton	A58 Cricketers Way	Single carriageway bypass of Westhoughton town centre.	4.0	Sep-91
Tameside	A635 Manchester Rd - A6017 Stockport Rd - William St Gyratory	Signalised gyratory system using modified existing road network.	2.9	Oct-91
Manchester	Manchester Intermediate Ring Road - A6010 Stage 1, Phases 1&2, Kirkmanshulme Ln to Pottery Ln (Alan Turing Way)	Phase 1 Dual carriageway section of the Intermediate Ring Road between Kirkmanshulme Ln and the A57 Hyde Rd. Phase 2 Dual carriageway section between A57 Hyde Rd and Pottery Ln.	6.8	Mar-92
Salford	A57 Cadishead Way Stage 1	Boysnope Wharf to Brinell Drive (North). A single 2 lane carriageway bypassing Irlam.	13.2	Mar-92
Stockport	Brinksway Bridge	40 metre span, weathering steel structure	1.9	Apr-92
Stockport	Brinksway Phase I and Phase II	A new dual carriageway bridge over the River Mersey and improvements to access to the Travis Brow Interchange and Kings Valley Development north of the river.	4.5	Jul-92
Manchester	A6/A57(M) Mancunian Way	A major junction improvement involving the conversion of the former A6/A57(M) roundabout to a grade separated signalised junction with A57(M) dual carriageway flyover.	16.3	Aug-92
Wigan	A579 Lowton St Mary's Bypass	A new 1.2 km long wide single carriageway link between the A572 and A580(T) forming a southern extension to Atherleigh Way, Leigh.	4.8	Dec-92
Manchester	Manchester Airport Access Roads - Stage 1 and Stage 2	Widening of existing Outwood Ln roundabout to improve capacity and a grade separated access to new Terminal 2 from M56 Spur.	5.5	Apr-93

Table 6.24 Highway Schemes over £1 Million completed 1986- 2009				
Authority	Name	Description	Cost £M	Opening Date
Oldham	Broadgate Spine Road	New road between A663 Broadway and Foxdenton Ln.	2.5	Sep-93
Oldham	A62 Manchester St/Manchester Rd Improvement Scheme	Upgrading the existing single carriageway road to a 1.5 mile dual carriageway from South St to Oldham Way to cater for growth in traffic when the Manchester Outer Ring Road is completed.	17.7	Dec-93
Department of Transport	M62 Junctions 14 to 17	Widening of the carriageway to dual four lanes (now M60 Jns 14-17).	14.5	Aug-94
Salford/ Trafford/ TPDC	A576 Centenary Way including Centenary Bridge A5081 Park Way/M602 Link Rd - Eccles Relief Rd	New dual carriageway road connecting Trafford Park with M602 at Eccles including new bridge across the Manchester Ship Canal. Scheme includes the dualling of Tenax Rd and part of Guinness Rd.	36.0	Dec-94
Department of Transport	M56 Junctions 4 to 6	Widening of the carriageway to dual four lanes.	11.8	Dec-94
Stockport	A626 Tiviot Way Bridge	Replacement bridge – 30 metre span	1.9	Dec-94
Stockport/ Cheshire	A34 Handforth/Wilmslow Bypass Stage 1	A dual carriageway bypass road for Handforth and Wilmslow also providing access to the new retail centre at Handforth Dean.	90.2	Oct-95
Stockport/ Cheshire	A555 Manchester Airport Eastern Link Rd (Central Section)	A dual carriageway 3.9 km long between B5358 Wilmslow Road and A5102 Woodford Road	11.8	Oct-95
Salford	A57 Cadishead Way Stage 2 Phase 1	Extending Stage 1 of the scheme southwards to Brinell Drive (south) through Northbank Industrial Estate.	2.5	Oct-95
Manchester	Manchester Hulme Strategic Roads Greenheys Ln West, Chichester Rd, Old Birley St		2.3	Sep-96
Manchester	A6010 Intermediate Ring Rd Stage 2A and 2B Alan Turing Way	Completion of dual carriageway	43.0	Aug-96
Stockport/ Cheshire	A34 Handforth Wilmslow Bypass Stage 2	A dual carriageway bypass road for Wilmslow.	28.0	Dec-96
Manchester	Stretford Road, Hulme	Reopening of Stretford Rd through Hulme	2.6	Aug-97
Trafford Park UDC	A5081 Wharfside Way Eastern Spinal Route	Improvements M60 – White City Interchange.	18.0	Feb-98

Table 6.24 Highway Schemes over £1 Million completed 1986- 2009				
Authority	Name	Description	Cost £M	Opening Date
Trafford	A56 Bridgewater Way/White City Interchange	New 2.0 km dual carriageway road connecting White City Interchange to A56 at Cornbrook.	35.2	Feb-98
Salford/ Trafford	A5063 Trafford Rd Improvements	The Quays – White City	24.0	May-98
Salford Manchester	Manchester and Salford Inner Relief Route, A57 Regent Rd to A56 Chester Rd, Phase 2 Stages 1&2	Improvements to the A57/A56 junction, incorporating an underpass for the A57, traffic signals in the redesigned roundabout with pedestrian and cycle facilities, the removal of the A56 flyover, and widening to dual carriageway between A56 and A57 Regent Rd/A6042 Water St junction.	14.1	Jun-99
Oldham	A62 Oldham Way/A62 Manchester Rd	Improvements to pedestrian and cycle crossings together with highway improvements.	7.3	Dec-99
Wigan	A49 Saddle Junction, Robin Park	Signalised gyratory	1.8	Sep-00
DETR	M60 J25-1 'MORRIS'	Widening	5.8	Oct-00
DETR	M60 J18 'MORRIS'	Roundabout improvement and provision of free flow lane.	9.0	Oct-00
DETR	M60 Denton-Middleton	Contract 1, 7 km motorway Denton-River Medlock	100.0	Oct-00
DETR	M60 Denton-Middleton	Contract 3, 10 km River Medlock – Jn 19	50.0	Oct-00
Salford	Eccles Bypass	1 km single carriageway bypassing town centre	2.2	Nov-00
Salford/ Manchester	Manchester and Salford Inner Relief Route, Regent Road to Gore Street, (stage 1)	Dual carriageway, 0.8 km long	21.0	Jul-02
Trafford	Altrincham Eastern Improvement Route (AEIR)	Improvements to highway network east of Altrincham town centre including new bridge over railway	5.5	Oct-02
Tameside	Lord Sheldon Way (Ashton Northern Bypass)	2.2km dual carriageway	n/a	Dec-03
Salford/ Manchester	Manchester and Salford Inner Relief Route, Regent Road to Gore Street (Stage 2)	Modification to railway bridge over Irwell Street	4.8	Nov-04

Table 6.24 Highway Schemes over £1 Million completed 1986- 2009				
Authority	Name	Description	Cost £M	Opening Date
Salford/ Manchester	Manchester and Salford Inner Relief Route, Regent Road to Gore Street (Stage 3)	Roadworks dualling Irwell Street beneath modified bridge.	1.8	Nov-04
Manchester	Temple Sq (Manchester Fort Retail Park)	Road improvement/widening.	1.0	Sep-05
Salford	A57 Cadishead Way Stage 2	Single carriageway link 2.4 km bypassing Cadishead.	18.0	Sep-05
Manchester/ QBC	A34 Kingsway and Parrs Wood	Construction of new bus terminus, installation of two sets of traffic signals with pedestrian facilities.	1.5	Sep-05
Manchester	Central Park Gateway Scheme (North Manchester Business Park)	Widening of A62 Oldham Road and new road into site.	26.0	Nov-05
Manchester/ QBC	Chorlton District Centre and Bus Lanes	Junction improvement scheme and installation of bus lanes.	1.5	Nov-05
*Rochdale/ QBC	Oldham Rd/Kingsway junction Improvements	Junction improvement scheme.	2.3	2005/06
DfT/ Highways Agency	M60 Jns. 5-8 Widening	Road improvement/widening/bridge building and replacement.	139.5	Jun-06
Manchester/ QBC	Didsbury Village Centre and Bus Lanes	Installation of bus lanes.	1.2	Oct 06
Tameside/ QBC	A627 Oldham Road QBC (Ashton Town Centre to Oldham Boundary)	Provision of bus lanes, residents parking bays, upgraded pedestrian crossings and major highway refurbishment.	2.0	Dec-06
*Bury/QBC	Bolton Rd/Ainsworth Rd	Bus lane & junction Improvement scheme	1.6	2006/07
Rochdale	Elizabethan Way Bridge	Assessment, design and replacement of parapets	1.1	2006/07
Wigan	Chapel Lane/Westwood Park Road Scheme	New access road to Westwood Park	7.8	Mar-07
Oldham/ QBC	Huddersfield Road QBC	Junction improvement scheme and installation of bus lanes.	3.1	Aug-07
Bolton/QBC	Lower Bridgeman St/Manchester Rd	Road widening, provision of bus and cycle lanes, junction signal improvements and installation of pedestrian crossing facilities.	3.0	Dec-07

Table 6.24 Highway Schemes over £1 Million completed 1986- 2009				
Authority	Name	Description	Cost £M	Opening Date
Rochdale/ NWDA/ RDA/ Wilson Bowden	A6193 Sir Isaac Newton Way Phase 1	Spine road linking Junction 21 of the M62 to A664 Kingsway via Kingsway Park Development.	30.8	Dec-07
*Bury/QBC	Bury New Rd, Whitefield	Junction Improvement scheme	1.3	2007/08
Rochdale/ QBC	A58 Sudden roundabout junction improvements	Junction improvement scheme with bus lanes.	3.3	2007/08
Bury	Derby Way Link Road	Single carriageway link 300m between Rochdale Road and Moorgate.	10.0	Feb-08
Stockport/ QBC	M60/Travis Brow Bus Only Link	Installation of bus lanes, landscaping and remedial works.	1.6	Jun-08
Rochdale/ QBC	A58 Townhead Roundabout junction improvement.	Junction improvement scheme with bus lanes.	1.8	2008/09
Bury/QBC	Bury Old Rd/Sheepfoot Lane junction improvements	Junction Improvement scheme (£850k from QBC)	>1m	2009
Salford/ QBC	Eccles Old Road/Hope Hospital	Junction improvement scheme and installation of bus lane.	1.5	Feb-09
Wigan/ Gibfield Park Group	Gibfield Park Way	Building of link road.	1.1	2009

Note: * Cost of QBC contribution only. Local Authority costs and opening date not supplied by District

Major Public Transport Schemes

Table 6.25 Major Public Transport Schemes over £5 Million completed 1986- 2009				
Authority	Name	Description	Cost £M	Opening Date
GMPTA	Airport Rail Link	Northern Chord & additional rolling stock	15.0	Mar-93
GMPTA/ British Rail/ Airport/ Cheshire/ ERDF	Airport Rail Link	Southern Chord	6.0	Jan-96
GMPTA/ Private/ ERDF/ Salford/ DETR	Metrolink Phase 2	Manchester to Salford Quays and Eccles	148.0	Jul-00
GMPTA	Middleton Bus Station		5.3	Aug-05
GMPTA/ Manchester/ ERDF	Central Park Gateway Scheme (North Manchester Business Park)	Metrolink Station and Bridges	10.8	Nov-05
GMPTA	Shudehill Interchange	Bus Station/ Metrolink Interchange (opened March 2004) and multi-storey car park (opened December 2005)	28.0	Jun-06
GMPTA	Salford Central Station	Phase 1 Redevelopment	5.0	Dec-07
Network Rail/ GMPTA/ Manchester Airport/ the Northern Way	Manchester Airport Rail Station	Third platform	15.0	Dec-08

Weather Data

6.20 Figures 6.6 to 6.8 present summaries of average temperature, rainfall and hours of sunshine at the Meteorological Office weather station in Woodford, Greater Manchester for 2005 to 2009.

