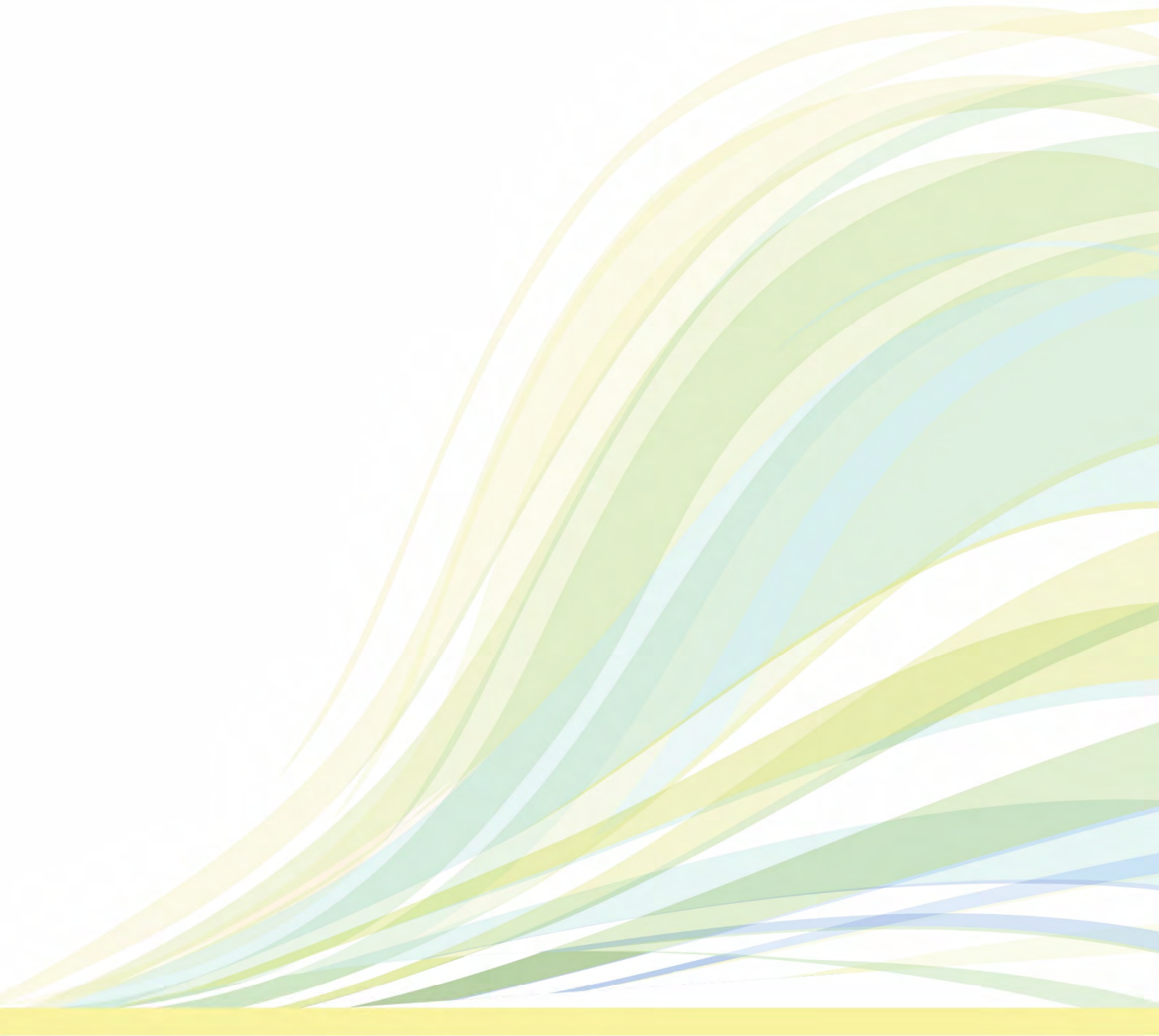




South West Milton Keynes

Addendum Environmental Statement

Transport Assessment - Appendices

AUGUST 2016

South West Milton Keynes

Transport Assessment - Appendices

Produced for:
South West Milton Keynes Consortium

Prepared by:
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Appendix A Original TA dated January 2015

For Original TA, please see CD attached.

Appendix B Milton Keynes Urban Bus Map

[illegible]

Grid Destination	Service	Grid Destination	Service	Grid Destination	Service	Grid Destination	Service	Grid Destination	Service	Grid Destination	Service
E8 Ashland	1, 5, 6, 24, 25, 70, 150, 300, F70, X31	E5 Central Milton Keynes	1, 2, 4, 5, 6, 7, 8, 11/1A, 12/1A, 13, 14, 18/1A, 21, 23, 24, 25, 28, 33/33A, 40, 48, 50, 53, 80, 89, 90/90A, 91, 99, 150, 197, 297, 300, 321, 602, C1, C10, C11	D8 Granby	1	D5 Milton Keynes Central Rail Station	1, 2, 4, 5, 6, 7, 8, 11/1A, 12/1A, 13, 14, 21, 23, 24, 25, 28, 33/33A, 40, 60, 70, 83, 89, 90/90A, 91, 99, 150, 300, 321, 602, C1, C10, C11, X4, X5, X7, X31, X80, X89	H10 Old Farm Park	8, 9	G10 Tibrook	11/1A, 12/1A, 17, 602
E9 Bancoft	5, 6, 33/33A, 300	D7 Great Hallam	2, 605	B5 Gange Farm	2, 605	G7 Milton Keynes Museum	1, 4, 5, 6, 7, 8, 11/1A, 12/1A, 13, 14, 21, 23, 24, 25, 28, 33/33A, 34, 48, 50, 53, 80, 89, 90/90A, 91, 99, 150, 197, 297, 300, 321, 602, C1, C10, C11	G8 Open University	11/1A, 12/1A, 24, 25, 70, 150	F8 Tinkens Bridge	5, 6, 24, 25, 70, F70
E8 Beaulieu	1, 4, 24, 25, 28, 50, 70, 150, 300, F70, X31	D6 Great Unford	7, 21, 23, 24, 25, 30, 31, 37, 607, 802	C5 Great Hallam	2, 14, 24, 25, 28, 30, 31, 606	C3 Milton Keynes University Hospital	1, 4, 5, 6, 7, 8, 11/1A, 12/1A, 13, 14, 21, 23, 24, 25, 28, 33/33A, 34, 48, 50, 53, 80, 89, 90/90A, 91, 99, 150, 197, 297, 300, 321, 602, C1, C10, C11	G9 Osney Park	8, 605	H4 Tongwell	1, 2, 21, 30, 31, 321
G3 Blakelands	2, 30, 31, 37, 601, 802	E6 Greenleys	14, 606	B2 Greenleys	14, 606	E7 Milton Keynes University Hospital	1, 4, 5, 6, 7, 8, 11/1A, 12/1A, 13, 14, 21, 23, 24, 25, 28, 33/33A, 34, 48, 50, 53, 80, 89, 90/90A, 91, 99, 150, 197, 297, 300, 321, 602, C1, C10, C11	G7 Peesridge Brook	4, 14, 48, 53, 99, X31	B4 Two Mile Ash	14, 30, 31, 60, 89, 90/90A, 91, 606, 801
G10 Blithley	1, 4, 5, 6, 7, 9, 17, 18/1A, 24, 25, 28, 30, 31, 50, 70, 182, 300, 608, 801, X31	E7 Coffee Hall	1, 4, 5, 6, 14, 10, 30, 100, 300, 801, F70	D4 Haveltham	33/33A, TB	C7 Milton Keynes University Hospital	1, 4, 5, 6, 7, 8, 11/1A, 12/1A, 13, 14, 21, 23, 24, 25, 28, 33/33A, 34, 48, 50, 53, 80, 89, 90/90A, 91, 99, 150, 197, 297, 300, 321, 602, C1, C10, C11	H2 Ports Estate	2, 601	G9 Walton Tree	8, 9, 11/1A, 12/1A, 17, 602
D3 Blue Bridge	1, 2, 21, 30, 31, 321, 601	E4 Cornburrows	23, 24, 30, 80, 602	C3 Hodge Lea	8, 14, 605, 606	H7 Monkston	11/1A, 12/1A, 24, 25, 602, C1, C11	H2 Redhouse Park	2, 601	G8 Walton Hall	11/1A, 12/1A, 24, 25, 70, 602
G4 Bolbeck Park	1, 2, 21, 30, 31, 321, 601	B9 Crowthill	2, 28, 30, 31, 606	G8 Kents Hall	8, 9, 11/1A, 12/1A, 17, 602	G7 Monkston Park	11/1A, 12/1A, 602, C1, C11	E8 Redmoor	4, 28, 604, 605, 801	G9 Walton Park	9, 11/1A, 12/1A, 17, 602
G1 Bow Brickhill	5, 7, 13, 23, 30, 31, 33/33A, 37, 300, 807, 802	B5 Dargate East	5, 6, 8, 9, 17, 18/1A, 19, 60, 602	B3 Kilm Farm	6, 30, 31, 89, 90/90A, 91, 801	G7 Mount Farm	5, 6, 9, 17, 24, 25, 60, 150, 300, 321, 602, C1, C10, C11	D8 Rockley	5, 6, 13, 33/33A, 80, 300	D11 Water Eaton	1, 5, 6, 7, 8, 9, 17, 602
E3 Bradwell	5, 7, 13, 23, 30, 31, 33/33A, 37, 300, 807, 802	B6 Dargate West	1, 31, 801	A7 Kingmead	6, 8, 9, 17, 24, 25, 48, 99, 300, C1, C11	F4 Neath Hill	2, 7, 21, 23, 24, 25, 30, 31, 37, 607	E9 Shenley Brook End	8, 24, 25, 28, 605	H8 Wendon Gate	8, 9, 17, 602
D4 Bradwell	5, 6, 13, 33/33A, 80, 300	G4 Downhead Park	1, 2, 7, 21, 30, 31, 37, 321, 601, 607	H6 Knowall	6, 30, 31, 606	F5 Netherfield	1, 4, 5, 6, 14, 50, 53, 70, F70, X31	B6 Shenley Church End	2, 7, 8, 24, 25, 28, 601, 602, C1, C10, C11	C9 West Blatchley	4, 7, 24, 25, 30, 604
E4 Bradwell Common	5, 6, 13, 23, 33/33A, 80, 602	F7 Downs Barn	1, 2, 7, 21, 321, 601, 607	D11 Lakes Estate	1, 5, 6, 7, 8, 10, 30, 603	D2 New Bradwell	5, 7, 23, 30, 31, 37	F8 Simpson	18/1A, 24, 25, 70, 150	H4 Westroft	2, 8, 24, 25, 28, 68, 605
E6 Brighthelm	8, 9, 17, 48, 49, 30, 602	F4 Eaglestone	1, 4, 5, 6, 14, 18, 28, 48, 50, 53, 70, 150, 300, 602	D7 Leadenhall	1, 5, 6, 11, 13, 14, 28, 30, 5	G5 Newarklands	8, 11/1A, 12/1A, 18/1A, 40, 53, 107, 300, 321, 602, C1, C10, C11	F9 Springfield	4, 14, 48, 53, 150, 601, 607, X31	H4 Willen Lane	1, 2, 21, 30, 31, 37, 321
J6 Broughton	8, 24, 25, 197, 300, 602, C1, C10, C11	C8 Emerson Valley	7, 8, 24, 25, 28, 604	E4 Linford Wood	23, 24, 25, 30, 31, 37, 802	J2 Newport Pagnall	1, 2, 21, 24, 25, 30, 31, 37, 40, 321, 601, 802, C10, TB	E9 Stadium MK (AK deCooz)	1, 6, 24, 25, 50, 602, 150, 300, F70, X31	G4 Willen Park	8, 11/1A, 12/1A, 40, 53, 107, 300, 321, 602
J7 Broughton Gate	24, 25, 300, 602, C1, C10	B8 Far Blithley	4, 7, 24, 25, 28, 30, 604, 675	F12 Uite Brickhill	X31	A11 Newton Leys	1, 603	C2 Watlington	5, 6, 7, 14, 23, 24, 25, 30, 31, 37, 602, 802	J11 Watbourn Sands	17, 49, 300, 602
H10 Browns Wood	8, 9, 602	E10 Ferry Stratford	5, 18/1A, 170, 162, 603, 675	C5 Loughton	2, 7, 14, 24, 25, 29, 30, 31, 606	C12 Newton Longville	50, 608	A2 Slory Stratford	6, 30, 31, 80, 88, 89, 90/90A, 91, 606, 801	C2 Wolverton	5, 6, 7, 14, 23, 30, 31, 37, 33/33A, 83, 300, TB
F10 Caldecote	8, 11/1A, 12/1A, 17, 70, 602	E8 Fishmead	4, 5, 6, 14, 28, 50, 53, 70, 150, 601, 602, F70, X31	C5 Loughton Lodge	2, 7, 8, 24, 25, 30, 31	H6 Northfield	8, 197, 602, C10	A8 Tattnoe Park	8, 24, 25, 28	G8 Woodhill	2, 805
F5 Campbell Park	1, 2, 4, 7, 8, 11/1A, 12/1A, 14, 18/1A, 21, 40, 53, 297, 321, C1, C10, C11	H2 Fox Blaine	8, 197, 602, C10	B7 Magna Park	2, 605	A8 Oakhill	11/1A, 12/1A, 18/1A, 61, 177, 602, C1, C10, C11	J3 Tickard End	2, 24, 25, 40, 601, C10	G6 Woodstone	8, 11/1A, 12/1A, 18/1A, 197, 602, C1, C10, C11
		H8 Follis Side	3, 30, 31, 606	H7 Middleton/Milton Keynes Village	8, 11/1A, 12/1A, 197, 300, 602, C1, C10, C11	E2 Oakridge Park	7	A8 Tattnoe Park	8, 24, 25, 28	F7 Woughton on the Greens	18/1A
		G3 Furzton	7, 28, 30, 31, 605			E8 Oldbrook	1, 5, 6, 14, 28, 50, 70, 150, 300, 801	J3 Tickard End	2, 24, 25, 40, 601, C10	C4 Wybush	30, 31, 608
		G3 Galford Park	2, 21, 24, 25, 30, 31, 37, 801, 802								

Appendix C Rail Services from Bletchley Station and Milton Keynes Station

1

train times

15 May to 10 December 2016

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our free app



**Birmingham
New Street**



**Birmingham
International**

Coventry

Rugby

Northampton

Milton Keynes

Bletchley

Watford Junction

London Euston

Crewe

Stoke-on-Trent

Stafford

Lichfield

Tamworth

Atherstone

Nuneaton

Bedford

St Albans
Abbey

including Southern train times between
Milton Keynes and Clapham Junction

londonmidland

What's in this timetable?

Page 5	Timetable 1 Birmingham – Milton Keynes – London Euston The full London Midland and Southern timetable for all stations between Rugby and London as well as our direct trains between the West Midlands and London Euston.
Page 40	Timetable 2 Crewe – London Euston All London Midland trains between Crewe and Northampton/London via the Trent Valley, together with the full London Midland and Virgin timetable between Stafford, Lichfield, Tamworth, Nuneaton and London Euston.
Page 55	Timetable 3 Nuneaton – Coventry Includes Bermuda Park, Bedworth and Coventry Arena
Page 58	Timetable 4 Stoke-on-Trent – Stafford local bus service
Page 61	Timetable 5 Bedford – Bletchley
Page 66	Timetable 6 Watford Junction – St Albans Abbey

Our other timetables – mini guides

2	Birmingham – Wolverhampton
3	Birmingham – Northampton
4	Birmingham – Shrewsbury
5	Birmingham – Liverpool
6	Birmingham – Walsall – Rugeley
7	Lichfield – Redditch
8	Birmingham – Dorridge
9	Birmingham – Stratford
10	Birmingham – Worcester (includes Smethwick Galton Bridge, and Stourbridge Town connections)
11	Northampton – London
12	Cheddington – London
13	Hemel Hempstead – Apsley – London
14	Birmingham – Hereford
15	Bedford – Bletchley
16	Watford Junction – St Albans Abbey

Live travel info & free travel alerts

Visit londonmidland.com for live train running information, station arrival and departure boards, and to download our latest timetables. You can also register for free travel alerts at londonmidland.com/disruption

Create your own timetable

Create and download a timetable for your own personal journey at londonmidland.com/mytimes

It's quick and easy to do and even includes short-notice alterations.

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

Holiday periods

We will be running amended timetables over the May and August bank holidays. Details will be available in online journey planners and information displayed at our stations.

Bringing your bike

Bikes (except tandems) are welcome on board our trains but space can be very limited. Cycles must not obstruct doorways and please ensure that your bike does not pose a risk to other passengers. On weekdays, only folding bikes are allowed on trains arriving at London Euston between 0700–1000 and departing between 1600–1900. For more information please go to londonmidland.com/bicycle-policy

Getting assistance at the station

Call us on 0800 092 4260 if you need some help getting on or off the trains and we'll make the necessary arrangements. Please give at least 24 hours notice if possible.

National Rail

online – nationalrail.co.uk

telephone – 03457 48 49 50

All calls charged at local rate and may be recorded.

call TrainTracker™ – 0871 200 49 50

For up-to-the-minute journey planning for today and beyond. Calls to TrainTracker cost 10p a minute from a BT fixed phone. Charges from other operators may vary.

text station name to TrainTracker™ – 8 49 50

For live departure and arrival times direct to your mobile. TrainTracker texts cost 25p for each successful response (plus usual text costs).

textphone – 0845 60 50 600

Onward travel

You can find details of all local train, bus and Metro services within the West Midlands – including times and fares – at networkwestmidlands.com

London Midland Customer Relations

You can get in touch with our customer relations team between 0700–1900 on weekdays, and 0800–1600 at weekends.

web: londonmidland.com/contact-us
email: comments@londonmidland.com
tel: 0344 811 0133 / 0121 634 2040
(standard call rates)
post: PO Box 4323
Birmingham
B2 4JB



Like most rail companies we operate a penalty fares system on our services, anyone without a viable ticket will be liable to pay the penalty fare. Find out more at londonmidland.com/penaltyfares

We'll do our best to resolve any problem, but if you're unhappy with our response you can contact:

Transport Focus

web: transportfocus.org.uk
email: advice@transportfocus.org.uk
tel: 0300 123 2350
post: Freepost (RTEH-XAGE-BYKZ)
Transport Focus
PO Box 5594
Southend-on-Sea
SS1 9PZ

London Travelwatch

web: londontravelwatch.org.uk
email: info@londontravelwatch.org.uk
tel: 020 3176 2999
post: 169 Union Street,
London, SE1 0LL

Community Rail Partnerships

The Community Rail Partnership brings together the local community, businesses, local government and the railway to secure the long term future of the Abbey Line and the Marston Vale Line. For more information about how you can get involved please contact the CRP officer.

Abbey Line Community Rail Partnership

web: abbeyline.org.uk
email: crp@hertfordshire.gov.uk
tel: 01992 556 117

Marston Vale Community Rail Partnership

Stephen Sleight, Marston Vale
Community Rail Partnership Officer
web: marstonvalecommunityrail.org.uk
email: stephens@bedsrc.org.uk
tel: 01234 832 645
facebook: facebook.com/marstonvalecrp
twitter: @marstonvalecrp

Rail User Groups

If you'd like to get more involved with the development of your rail services, it's worth joining your local rail user group.

Abbey Flyer Users Group

John Webster, Chairman

email: john.w.webster@ntlworld.com

tel: 01727 752 613

Atherstone and District Rail Users Group

David Atkin, Chairman

Hannah O'Callaghan, Secretary

email: dbaarug@talktalk.net

Bedford to Bletchley Rail Users Association

Richard Crane, Chairman

web: bbrua.org.uk

email: chairman@bbrua.org.uk

tel: 01234 351 771

Coventry Rail User Group

Michael Tombs

email: info@covrag.org.uk

tel: 07761 937 788

Lichfield Rail Promotion Group

David Dixon, Chair

email: secretary@lichfieldrailusers.org

North Staffs Rail Promotion Group

Jon Heal, Chair

email: jhnorthstaffsrail@hotmail.co.uk

Northampton Rail Users Group

Paul Minton, Vice Chairman

web: northamptonrug.org.uk

email: enquiries@northamptonrug.org.uk

Nuneaton & Bedworth Rail Users Group

Mark Whitelegg

email: nuneatonrug@btconnect.com

Rugby Rail Users Group

Stephanie Clifford

web: rugbyrailusersgroup.org.uk

email: secretary@rugbyrailusersgroup.org.uk

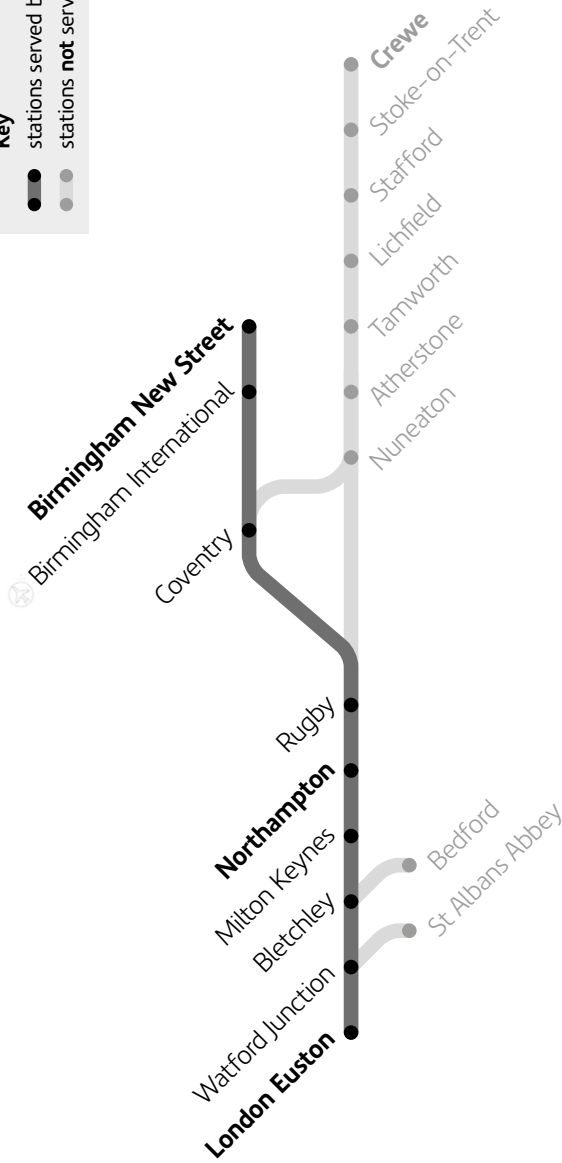
Watford Rail Users Group

David Charlton, Secretary

email: wrug2@hotmail.co.uk

Key

- stations served by this table
- stations **not** served by this table



[illegible]

	SN					SN					SN					SN					SN					SN			
	1454	1514	1533	1554		1533	1545	1600	1612	1621	1632	1641	1657	1705	1717	1713	1722	1715	1741	1747	1807	1633	1654	1714	1733				
Birmingham New Street	1505	1530	1545	1605		1545	1600	1621	1632	1641	1657	1705	1717	1713	1722	1715	1741	1747	1807	1633	1654	1714	1733						
Birmingham International	1521	1548	1600	1621		1612	1621	1634	1650	1657	1705	1717	1713	1722	1715	1741	1747	1807	1633	1654	1714	1733							
Coventry	1532	1553	1559	1608		1621	1634	1650	1657	1705	1717	1713	1722	1715	1741	1747	1807	1633	1654	1714	1733								
Rugby	1541	1608	1621	1634		1650	1657	1705	1717	1713	1722	1715	1741	1747	1807	1633	1654	1714	1733	1732	1753	1756	1812						
Long Buckby	1556	1622	1634	1650		1657	1705	1717	1713	1722	1715	1741	1747	1807	1633	1654	1714	1733	1732	1753	1756	1812							
Northampton a	1605	1625	1637	1650		1657	1705	1717	1713	1722	1715	1741	1747	1807	1633	1654	1714	1733	1732	1753	1756	1812							
Northampton d	1617	1637	1650	1657		1705	1717	1713	1722	1715	1741	1747	1807	1633	1654	1714	1733	1732	1753	1756	1812								
Wolverton	1613	1622	1615	1641		1647	1707	1647	1707	1652	1659	1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1738	1747					
Milton Keynes Central	1617	1627	1646	1653		1659	1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827					
Bletchley	1624	1633	1653	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Leighton Buzzard	1634	1646	1651	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Cheddington	1634	1646	1651	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Tring	1639	1646	1651	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Berkhamsted	1643	1651	1659	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Hemel Hempstead	1643	1651	1659	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Apsley	1652	1659	1659	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Kings Langley	1652	1659	1659	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Watford Junction	1652	1659	1659	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Bushey	1659	1659	1659	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Harrow & Wealdstone	1659	1659	1659	1659		1704	1656	1710	1701	1715	1705	1719	1708	1711	1716	1727	1731	1746	1752	1759	1818	1750	1827						
Wembley Central	1704	1719	1732	1738		1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746						
Shepherd's Bush	1719	1732	1738	1746		1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746						
Clapham Junction	1732	1738	1746	1750		1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746						
London Euston	1718	1650	1727	1738		1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746	1746						

PLUSBUS through ticketing available

first class accommodation available

SN operated by Southern

a arrival time

d departure time

Off-Peak Travel

Certain Off-Peak tickets are not valid on trains leaving London between 1649-1900 or Birmingham between 1635-1800. Please check before travelling.

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

 Birmingham New Street	1754	1814	1833	1854	1914	1933	1954	2033	2054	2105	2121	2158	2217
 Birmingham International	1805	1830	1845	1905	1930	1945	2005	2045	2105	2121	2158	2217	
 Coventry	1821	1848	1900	1921	1948	2000	2021	2100	2114	2132	2141	2158	
 Long Rugby	1832	1853	1918	1932	1953	2015	2032	2047	2104	2123	2141	2158	
 Northampton a	1841	1908	1927	1942	2011	2024	2041	2107	2135	2154	2205	2217	
 Northampton d	1853	1921	1941	1954	2023	2038	2053	2107	2137	2205	2217	2222	
 Wolverton	1905	1925	1950	2005	2025	2037	2117	2149	2153	2205	2211	2222	
 Milton Keynes Central	1917	1937	2007	2013	2022	2037	2113	2122	2153	2205	2211	2222	
 Bletchley	1922	1915	1947	2007	2015	2041	2113	2122	2153	2205	2211	2222	
 Leighton Buzzard	1927	1946	1952	2017	2028	2046	2117	2127	2158	2210	2215	2227	
 Cheddington	1933	1953	1959	2024	2035	2053	2124	2133	2204	2217	2222	2233	
 Tring			2004				2104		2210	2223			
 Berkhamsted			1956	2010			2110	2126	2216	2228	2234		
 Hemel Hempstead	1946	2001	2015	2031	2039	2048	2103	2131	2220	2233	2239	2246	
 Apsley	1951	2005	2019	2035	2043	2051	2107	2135	2225	2237	2243	2251	
 Kings Langley		2008		2038			2110		2241				
 Watford Junction		2011		2041			2113		2244				
 Bushey	1959	2016	2027	2031	2046	2051	2118	2146	2227	2233	2253	2259	2336
 Harrow & Wealdstone		2019		2049			2121	2149	2251	2259	2300	2342	
 Wembley Central		2024		2054	2059		2126	2154	2233	2257	2300	2342	
 Shepherd's Bush				2104					2249	2301	2321	0004	
 Clapham Junction				2120					2301	2333	2333	0017	
 London Euston	2020	1950	2027	2039	2045	2048	2118	2051	2128	2140	2147	2208	2222

 PLUSBUS through ticketing available
 first class accommodation available
 SN operated by Southern

a arrival time
 d departure time

Off-Peak Travel
 Certain Off-Peak tickets are not valid on trains leaving London between 1649-1900 or Birmingham between 1635-1800. Please check before travelling.

Special events and maintenance work
 Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

						VT
Birmingham New Street	2134	2154	2254	2310		
Birmingham International	2145	2205	2305	2320		
Coventry	2200	2221	2321	2331		
Rugby	2212	2232	2332	2344		
Long Buckby	2221	2241	2341	▼		
Northampton a	2234	2253	2354	0005s		
Northampton d	2255	2335				
Wolverton	2308	2348				→
Milton Keynes Central	2313	2353		0024		
Bletchley	2318	2358				
Leighton Buzzard	2324	0004				
Cheddington	2329	0011				
Tring	2338	0016				
Berkhamsted	2343	0021				
Hemel Hempstead	2347	0025				
Apsley	2350	→				
Kings Langley	2353	→				
Watford Junction	2359	0033		0052s		
Bushey	0001	▼				
Harrow & Wealdstone	0007	0039				
Wembley Central		0043				
Shepherd's Bush		→				
Clapham Junction		→				
London Euston	0021	0055		0115		

PLUSBUS through ticketing available

first class accommodation available

seat and bicycle reservations available

VT operated by Virgin Trains

a arrival time

d departure time

s stops to set down only

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	SN					SN					SN					SN					SN			
	1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4
Birmingham New Street	1354			1414		1433			1454		1514			1533		1554			1614		1633			
Birmingham International	1405			1430		1445			1505		1530			1545		1605			1630		1645			
Coventry	1421			1448		1500			1521		1548			1600		1621			1648		1700			
Rugby	1432	1453		1459		1512			1532	1553	1559			1612		1632	1653		1659		1712			
Long Buckley	1441			1508		1521			1541		1608			1621		1641			1708		1721			
Northampton a	1454			1520		1534			1554		1620			1634		1654			1720		1734			
Northampton d	1505			1525		1550			1605		1625			1650		1705			1725		1750			
Wolverton	1517			1537					1617		1637					1717			1737					
Milton Keynes Central	1513	1522	1515	1541		1547	1607		1613	1622	1615	1641		1647	1707	1713	1722	1715	1741		1747	1807		1813
Bletchley	1517	1527		1546		1552			1617	1627		1646		1652		1717	1727		1746		1752			1817
Leighton Buzzard	1524	1533		1553		1559			1624	1633		1653		1659		1724	1733		1753		1759			1824
Cheddington						1604								1704					1753		1804			
Tring	1534					1556	1610		1626	1634				1656	1710	1726	1734		1756	1810		1826	1834	
Berkhamsted	1539	1546				1601	1615		1631	1639	1646			1701	1715	1731	1739	1746	1801	1815		1831	1839	
Hemel Hempstead	1543	1551				1605	1619		1635	1643	1651			1705	1719	1735	1743	1751	1805	1819		1835	1843	
Apsley						1608			1638					1708		1738			1808			1838		
Kings Langley						1611			1641					1711		1741			1811			1841		
Watford Junction	1552	1559				1616	1627	1631	1646	1652	1659			1716	1727	1746	1752	1759	1816	1827	1831	1846	1851	
Bushey						1619			1649					1719		1749			1819			1849		
Harrow & Wealdstone	1559					1624			1654	1659				1724		1754	1759		1824			1854	1859	
Wembley Central	1604					1629				1704						1804							1903	
Shepherd's Bush	1619									1719						1819							1918	
Clapham Junction	1632									1732						1832							1931	
London Euston		1618	1550	1627	1641	1646	1647	1708	1717	1650	1727	1738	1745	1746	1808	1817	1750	1827	1838	1845	1846	1908		

PLUSBUS through ticketing available

first class accommodation available

SN operated by Southern

a arrival time

d departure time

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

SN		1	2	3	4	5	6
Birmingham New Street	2134	2154	2214	2254			
	2145	2205	2230	2305			
Birmingham International	2200	2221	2248	2321			
	2212	2232	2259	2332			
Long Buckby	2221	2241	2308	2341			
	2233	2253	2321	2355			
Northampton d	2243		2330				
	2255		2342				
Milton Keynes Central	2259		2346				
	2304		2351				
Leighton Buzzard	2311		2358				
	2316						
Cheddington	2325						
	2330						
Berkhamsted	2335						
	2338						
Kings Langley	2341						
	2325	2346	0020	0040			
Watford Junction	2331	2352					
	2331	2352					
Harrow & Wealdstone	2331	2352					
	2330						
Wembley Central	2350						
	0002						
Shepherd's Bush							
Clapham Junction							
London Euston	0006	0040	0114				

PLUSBUS through ticketing available
first class accommodation available
operated by Southern

a arrival time
d departure time

Special events and maintenance work
Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

 Birmingham New Street	2214p													
 Birmingham International	2230p													
 Coventry	2248p													
 Rugby	2259p													
 Long Buckley	2308p													
 Northampton a	2321p													
 Northampton d	2330p													
 Wolverton	2342p													
 Milton Keynes Central	2346p													
 Bletchley	2351p													
 Leighton Buzzard	2358p													
 Cheddington														
 Tring														
 Berkhamsted														
 Hemel Hempstead														
 Apsley														
 Kings Langley														
 Watford Junction														
 Bushey														
 Harrow & Wealdstone														
 Wembley Central														
 Shepherd's Bush														
 Clapham Junction														
 London Euston														

 PLUSBUS through ticketing available

 bus service

 first class accommodation available

 SN operated by Southern

a arrival time

d departure time

p previous night

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

 Birmingham New Street	1214	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN	 SN
 Birmingham International	1225																					
 Coventry	1244																					
 Rugby	1255																					
Long Buckley	1305																					
 Northampton a	1317																					
 Northampton d	1326																					
 Wolverton	1338																					
 Milton Keynes Central	1312																					
 Bletchley	1317																					
 Leighton Buzzard	1323																					
 Cheddington	1329																					
 Tring	1335																					
 Berkhamsted	1339																					
 Hemel Hempstead	1344																					
 Apsley																						
 Kings Langley																						
 Watford Junction	1352																					
 Bushey																						
Harrow & Wealdstone	1358																					
 Wembley Central																						
 Shepherd's Bush																						
 Clapham Junction																						
London Euston	1411																					

 PLUSBUS through ticketing available

 first class accommodation available

SN operated by Southern

a arrival time

d departure time

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	VT
Birmingham New Street	1714	1814	1914	2014	2114	2214	2300									
Birmingham International	1725	1825	1925	2025	2125	2225	2310									
Coventry	1744	1844	1944	2044	2144	2244	2321									
Rugby	1755	1820	1855	1920	1955	2017	2055	2120	2155	2222	2255	2335				
Long Buckley	1805	1829	1905	1929	2005	2026	2105	2129	2205	2231	2305	2335				
Northampton a	1817	1841	1917	1941	2017	2038	2117	2141	2217	2244	2319	2354s				
Northampton d	1826	1850	1926	1950	2025	2050	2129	2155	2226	2300	2312	2300				
Wolverton	1838	1938	2002	2027	2102	2120	2141	2207	2238	2312	2316	0013s				
Milton Keynes Central	1812	1842	1907	2007	2012	2115	2145	2211	2242	2316	2321	2327				
Bletchley	1817	1847	1917	1947	2017	2120	2150	2216	2246	2321	2332	2341				
Leighton Buzzard	1823	1853	1915	2015	2023	2126	2156	2222	2253	2327	2332	2341				
Cheddington	1829	1929	2015	2028	2037	2140	2171	2236	2308	2345	2350	2350				
Tring	1835	1915	1935	2015	2037	2140	2171	2236	2308	2345	2350	2350				
Berkhamsted	1839	1920	1939	2020	2042	2144	2171	2236	2308	2345	2350	2350				
Hemel Hempstead	1844	1924	1944	2024	2046	2149	2171	2236	2308	2345	2350	2350				
Apsley	1849	1927	1930	2027	2030	2130	2171	2236	2308	2345	2350	2350				
Kings Langley	1852	1930	1935	2030	2035	2135	2171	2236	2308	2345	2350	2350				
Watford Junction	1852	1935	1952	2035	2054	2135	2156	2217	2226	2253	2317	2323	2359	0043s		
Bushey	1857	1938	1952	2038	2054	2138	2159	2217	2226	2253	2317	2323	2359	0043s		
Harrow & Wealdstone	1858	1943	1958	2043	2100	2128	2204	2223	2232	2301	2323	2329	0001	0007		
Wembley Central	1859	1948	1959	2046	2059	2144	2200	2245	2257	2344	2357	2357	0001	0007		
Shepherd's Bush	1859	1948	1959	2046	2059	2144	2200	2245	2257	2344	2357	2357	0001	0007		
Clapham Junction	1859	1948	1959	2046	2059	2144	2200	2245	2257	2344	2357	2357	0001	0007		
London Euston	1911	1938	1953	2054	2059	2114	2142	2155	2219	2248	2315	2343	0021	0105		

PLUSBUS through ticketing available

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VT operated by Virgin Trains

a arrival time
d departure time
s stops to set down only

Special events and maintenance work

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Station	SN				SN				SN				SN				SN			
	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3
London Euston	0749	0754	0807	0813	0824	0834	0846		0849	0854	0905	0913	0924	0934	0946	0949	0954	1004	1013	1024
Clapham Junction			0739					0819		0839								0939		
Shepherd's Bush		0753	0808					0834		0853								0953		
Wembley Central								0847		0908								1008		
Harrow & Wealdstone			0813	0820	0836	0846		0853		0913	0918			0946				1013	1019	
Watford Junction	0803	0811	0820	0825	0836	0851				0923				0951				1024		
Kings Langley			0820	0828	0843	0855		0901	0903	0920	0926		0941	0955		1003	1011	1020	1027	1041
Apsley				0833		0859					0931			0959				1031		
Hemel Hempstead		0818	0828	0840	0850	0906				0935			0948	1006			1018	1028	1038	1048
Berkhamsted	0823	0832	0845	0855	0910			0923	0928	0932	0942		0953	1010			1023	1032	1043	1053
Tring			0839	0852	0901	0917				0939	0949		0959	1017				1039	1049	1059
Cheddington					0906								1004							1104
Leighton Buzzard		0836	0848	0842	0911					0936	0948	0942	1009				1036	1048	1042	1109
Bletchley		0843	0855	0850	0918				0924	0943	0955	0950	1016			1024	1043	1057	1050	1116
Milton Keynes Central	0825	0849	0901	0854	0923	0919			0929	0949	1001	0954	1021	1019		1029	1049	1102	1054	1121
Wolverton		0853		0858						0953		0958					1053		1058	
Northampton a	0840	0906		0911				0944	1006			1010				1045	1106		1112	
Northampton d	0855	0916					0925	0955				1016				1025	1055		1116	
Long Buckby	0906	0927					0936	1006				1027				1036	1106		1127	
Rugby	0917	0938				0942		0947				1038		1042	1047	1117			1138	
Coventry	0930	0950				1011		1011	1030			1050				1111	1130		1150	
Birmingham International	0946	1005				1029		1029	1046			1105				1129	1146		1205	
Birmingham New Street	1001	1017				1042		1042	1101			1117				1142	1202		1217	

 PLUSBUS through ticketing available

a arrival time

a arrival time

1 first class accommodation available

departure time

Special events and maintenance work

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London Euston	1034	1046	1049	1054	1104	1113	1124	1134	1146	1149	1154	1204	1213	1224	1234	1246	1249	1254	1304
Clapham Junction				1039								1139							1239
Shepherd's Bush				1053								1153							1253
Wembley Central				1109	1114							1209	1214						1309
Harrow & Wealdstone	1046			1114	1119			1146				1214	1219		1246				1314
Bushey	1051				1124			1151					1224		1251				1324
Watford Junction	1055		1103	1111	1121	1127	1141	1155		1203	1211	1221	1227	1241	1255		1303	1311	1321
Kings Langley	1059				1131			1159				1231			1259				1331
Apsley	1103				1135			1203				1235			1303				1335
Hemel Hempstead	1106			1118	1129	1138	1148	1206			1218	1229	1238	1248	1306			1318	1329
Berkhamstead	1110			1123	1133	1143	1153	1210			1223	1233	1243	1253	1310			1323	1333
Ting	1117				1139	1149	1159	1217				1239	1249	1259	1317				1339
Cheddington							1204							1304					
Leighton Buzzard				1136	1148	1142	1209				1236	1248	1242	1309				1336	1348
Bletchley				1143	1155	1150	1216				1243	1255	1250	1316				1343	1355
Milton Keynes Central	1119		1125	1149	1200	1154	1221	1219		1225	1249	1300	1254	1321		1319		1325	1349
Wolverton				1153		1158					1253		1258					1353	
Northampton a			1140	1206	1211	1211				1240	1306		1311					1340	1406
Northampton d			1125	1155	1216	1216				1225	1255		1316					1325	1355
Long Buckby			1136	1206	1227	1227				1236	1306		1327					1336	1406
Rugby	1142	1147	1217		1238	1238		1242		1247	1317		1338			1342		1347	1417
Coventry			1211	1230	1250	1250		1311		1311	1330		1350			1411		1411	1430
Birmingham International			1229	1246	1305	1305		1329		1346			1405			1429		1429	1446
Birmingham New Street			1242	1302	1317	1317		1342		1402			1417			1442		1442	1501

PLUSBUS through ticketing available

first class accommodation available

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a arrival time

d departure time

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	1313	1324	1334	1346	1349	1354	SN	1404	1413	1424	1434	1446	1449	1454	SN	1504	1513	1524	1534	1546	1549	1554	SN
London Euston																							
Clapham Junction																							
Shepherd's Bush																							
Wembley Central																							
Harrow & Wealdstone																							
Bushey																							
Watford Junction																							
Kings Langley																							
Apsley																							
Hemel Hempstead																							
Berkhamsted																							
Tring																							
Cheddington																							
Leighton Buzzard																							
Bletchley																							
Milton Keynes Central																							
Wolverton																							
Northampton a																							
Northampton d																							
Long Buckby																							
Rugby																							
Coventry																							
Birmingham International																							
Birmingham New Street																							

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a arrival time

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Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

London Euston	1605	1613	1630	1634	1646	1650	1654	1705	1712	1713	1716	1724	1730	1734	1741	1746	1749	1751	1805	1812	1813	1816	1821
Clapham Junction	→							1639	→									1739	→				→
Shepherd's Bush		→					1653	→						→				1753	→				→
Wembley Central	→			→			1709	→							→			1809	→				→
Harrow & Wealdstone	1618		→	1646			1706	1714	1718	1724				1746				1803	1814	1818			1834
Bushey	1623			1651			1711	→	1730					1751	1756			→	→	1828			→
Watford Junction	1626	1647		1655			1714	1721	1725	1733		1744	1749	1758	1800			1810	1821	1826	1832		1841
Kings Langley	1631	→		1659			→	1730	1738			→	→	1804				→	→	1831			1846
Apsley	1635		→	1703			1720	→	1742			→	1755					→	→	1835			→
Hemel Hempstead	1637	1654	1706				1723	1729	1735	→		1751	1758		1809			1818	1829	→	1839		1851
Berkhamsted	1642	1659	1710				1728	1733	1740			1757		1814				1823	1833	→	1845		→
Tring	1649	1705	1717				1737	1739	1746	1752		→	1806	1821				→	→	1839	1844	1852	→
Cheddington		→	1710				→	→	1751		1744	1809	→	1811				→	→	1849			→
Leighton Buzzard		1642	1715				1720	→	1748	→	→	1816	1821					→	→	1848	1854		→
Bletchley		1650	1722				1727	→	1755	1801								→	→	1841	1855	1901	→
Milton Keynes Central		1654	1729				1732		1800	1807	1748	1754	1822	1827	1819	1831	1845	1900	1907	→	→	→	→
Wolverton		1658					1736				→	1758	1825				1835	1849	1911			→	1858
Northampton a		1713					1748				1810	1815	1838				1848	1908	1923			→	1915
Northampton d							1755		1819	1839	1819	1839					→	→	→	1919	1931		→
Long Buckby							1806		1830	1850							→	→	→	1930	1942		→
Rugby							1747	1817	1841	1901					1847	1919				1941	1956		→
Coventry							1830		1853	1911					1932					1953	2011		→
Birmingham International							1846		1908	1929					1948					2008	2029		→
Birmingham New Street							1901		1920	1942							2003				2020	2042	→

PLUSBUS through ticketing available
 first class accommodation available
SN operated by Southern

a arrival time
d departure time

Off-Peak Travel
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Special events and maintenance work
Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

London Euston	1830	1834	1841	1849	1852	1854	1905	1913	1924	1934	1949	1954	2005	2013	2024	2034	2049	2054	2105	2113	2124	2134
Clapham Junction						1839	1839						1939									
Shepherd's Bush						1853	1853						1953						2039			
Wembley Central						1909	1909						2009						2108			
Harrow & Wealdstone		1846				1906	1914	1918		1946			2014			2048			2113	2118		2146
Bushey		1851	1856					1923		1951				2023		2053				2123		2152
Watford Junction	1847	1855	1900			1913	1921	1926	1943	1955	2011	2021	2026	2031	2043	2056	2111	2120	2126	2141	2155	
Kings Langley			1904					1931		1959			2031			2101			2131		2200	
Apsley	1853		1908					1935		2003			2035			2105			2135		2204	
Hemel Hempstead			1904	1911		1920	1929	1937	1951	2006	2018	2029	2037	2051	2107		2118	2128	2137	2148	2207	
Berkhamsted	1859		1916			1925	1933	1942	1956	2010	2023	2033	2042	2056	2113		2123	2132	2142	2153	2212	
Tring		1913	1923			1931	1939	1949	2002	2017			2039	2049	2102	2119		2139	2148		2218	
Cheddington	1908	1918							2007						2107				2153			
Leighton Buzzard		1924			1920	1939	1948	1942	2012	2018	2036	2048	2042	2112	2119		2118	2136	2150	2144	2206	
Bletchley	1920	1934			1927	1946	1955		2019			2043	2055	2050	2119			2143	2158	2206	2252	
Milton Keynes Central	1927			1923	1932	1952	2000	1956	2024	2029	2049	2100	2054	2124			2129	2149	2205	2157	2219	
Wolverton	1931				1936			1958		2033	2053		2058				2133	2153		2201		
Northampton a	1943			1937	1953			2011		2045	2105		2113				2146	2209		2215		
Northampton d				1946	1955			2019		2055	2116		2123				2155			2219		
Long Buckby					2006			2030		2106	2127						2206			2230		
Rugby				2006	2017			2041		2117	2138		2145				2217			2241		
Coventry					2030			2053		2130	2150						2230			2253		
Birmingham International					2046			2108		2146	2205						2246			2311		
Birmingham New Street					2102			2120		2202	2218						2302			2322		

PLUSBUS through ticketing available
 first class accommodation available
 operated by Southern

a arrival time
 d departure time

Off-Peak Travel
 Certain Off-Peak tickets are not valid on trains leaving London between 1649-1900 or Birmingham between 1635-1800. Please check before travelling.

Special events and maintenance work
 Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	1149	1154	1207	1224	1244	1304	1324	1330	1330	1330	1334	1334
London Euston												
Clapham Junction		2139					2239					
Shepherd's Bush		2153					2253					
Wembley Central												
Harrow & Wealdstone		2206	2216	2220	2259	2320	2324					
Bushey		2212	2225c			2325c						
Watford Junction		2215	2223	2228	2241	2306	2329	2332	2341			
Kings Langley				2233	2310	2333						
Apsley				2237	2314	2337						
Hemel Hempstead		2222	2239	2248	2317	2340						
Berkhamsted		2229	2244	2253	2322	2345						
Tring		2235	2249		2326	2352						
Cheddington		2240	2254			2357						
Leighton Buzzard		2218	2247	2300	2307	2335	0002	0007				
Bletchley		2254	2307	2314	2342	0009		0014				
Milton Keynes Central		2232	2302	2315	2323	2350	0018	0023	0029	0028		
Wolverton		2236	2306		2327	0022		0027				
Northampton a		2250	2320		2340	0036						
Northampton d		2255										
Long Buckby		2306										
Rugby		2317										
Coventry		2330										
Birmingham International		2348										
Birmingham New Street		0004										

PLUSBUS through ticketing available
 first class accommodation available
 seat and bicycle reservations available
 operated by Southern
 operated by Virgin Trains

a arrival time
 c occasionally this train may be formed of 8 coaches. Passengers travelling to Bushey, must travel in the front 4 coaches only
 d departure time

FO train only runs on Fridays
 FX train does not run on Fridays

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

London Euston	0824	0834	0846	0849	0854	SN	0905	0913	0924	0934	0946	0949	0954	SN	1004	1013	1024	1034	1046	1049	1054	SN
Clapham Junction																						
Shepherd's Bush					0839									0939								
Wembley Central					0853									0953								
Harrow & Wealdstone					0909									1009								
Bushey		0846			0914									1014								
Watford Junction		0851			0923									1024								
Kings Langley		0855		0903	0911				0941	0955		1003	1011	1021	1027		1041	1055		1103	1111	1121
Apsley		0859					0931			0959				1031				1059				
Hemel Hempstead		0903					0935			1003				1035				1103				
Berkhamsted		0848	0906		0918	0929	0938	0948	0948	1006			1018	1029	1038	1048	1106					
Tring		0853	0910		0923	0933	0943	0953	0953	1010			1023	1033	1043	1053	1110					
Cheddington		0859	0917			0939	0949		0959	1017				1039	1049	1059	1117					
Leighton Buzzard		0904							1004							1104						
Bletchley		0909			0936	0948		0942	1009					1036	1048	1042	1109					
Milton Keynes Central		0916			0924	0943	0955	0950	1016			1024	1043	1055	1050	1116						
Wolverton		0921	0919		0929	0949	1000	0954	1021	1019		1029	1049	1100	1054	1121			1119			
Northampton a								0958						1053	1058							
Northampton d					0944	1006		1013				1045	1106		1112							
Long Buckby					0937	0955		1016				1025	1055		1116					1125	1155	
Rugby					0948	1006		1027				1036	1106		1127					1136	1206	
Coventry			0942		0959	1017		1038				1042	1047	1117	1138					1142	1147	1217
Birmingham International					1011	1030		1050						1130	1150					1211	1230	
Birmingham New Street					1029	1046		1105				1129	1146		1205					1229	1246	
					1042	1101		1117				1142	1201		1217					1242	1302	

PLUSBUS through ticketing available

first class accommodation available

SN operated by Southern

a arrival time

d departure time

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	1104	1113	1124	1134	1146	1149	1154	1204	1213	1224	1234	1246	1249	1254	1304	1313	1324	1334	1346	1349
London Euston	1104	1113	1124	1134	1146	1149	1154	1204	1213	1224	1234	1246	1249	1254	1304	1313	1324	1334	1346	1349
Clapham Junction	→							1139							1239					
Shepherd's Bush	1114							1153							1253					
Wembley Central	1119							1209							1309					
Harrow & Wealdstone	1124			1146				1214			1246				1314					
Bushey				1151				1219							1319					
Watford Junction	1127			1155				1224			1251				1324					
Kings Langley	1131			1159				1221		1241	1255				1321					
Apsley	1135			1203				1231			1259				1331					
Hemel Hempstead	1138			1206				1235			1303				1335					
Berkhamsted	1143			1210				1238		1248	1306				1338					
Tring	1149			1217				1243		1253	1310				1343					
Cheddington				1207				1249		1259	1317				1349					
Leighton Buzzard	1142			1212				1254		1304					1404					
Bletchley	1150			1219				1258							1409					
Milton Keynes Central	1154			1224				1300		1309					1416					
Wolverton	1158							1312		1316					1423					
Northampton a	1211							1316		1321					1425					
Northampton d	1216							1317		1325					1425					
Long Buckby	1227							1327		1336					1427					
Rugby	1238							1338		1342					1438					
Coventry	1250							1350		1342					1450					
Birmingham International	1305							1405		1411					1505					
Birmingham New Street	1317							1417		1429					1517					

PLUSBUS through ticketing available

a arrival time

first class accommodation available

d departure time

operated by Southern

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	SN				SN				SN				SN				SN			
	1354	1404	1413	1424	1434	1446	1449	1454	1504	1513	1524	1534	1546	1549	1554	1605	1613	1624	1634	1646
London Euston																				
Clapham Junction		1339							1439							1539				
Shepherd's Bush		1353							1453							1553				
Wembley Central		1409							1509	1514						1609				
Harrow & Wealdstone		1414							1514	1519		1546				1614	1618		1646	
Bushey		1424			1446				1524			1551				1623			1651	
Watford Junction	1411	1421	1427	1441	1455		1503	1511	1521	1527	1541	1555		1603	1611	1621	1626	1641	1655	
Kings Langley			1431		1459				1531			1559				1631			1659	
Apsley			1435		1503				1535			1603				1635			1703	
Hemel Hempstead	1418	1429	1438	1448	1506			1518	1529	1538	1548	1606			1618	1629	1638	1648	1706	
Berkhamsted	1423	1433	1443	1453	1510			1523	1533	1543	1553	1610			1623	1633	1643	1653	1710	
Tring		1439	1449		1459	1517			1539	1549	1559	1617				1639	1649	1659	1717	
Cheddington				1504							1604							1704		
Leighton Buzzard	1436	1448	1442	1509				1536	1548		1542	1609			1636	1648	1642	1709		
Bletchley	1443	1455	1450	1516				1543	1555		1550	1616			1643	1655	1650	1716		
Milton Keynes Central	1449	1500	1454	1521	1519		1525	1549	1600	1554	1621	1619		1625	1649	1700	1654	1721		1719
Wolverton	1453		1458					1553		1558					1653		1658			
Northampton a			1512				1540	1606		1612				1641	1706		1712			
Northampton d			1516				1525	1555		1616				1625	1655		1716			
Long Buckby			1527				1536	1606		1627				1636	1706		1727			
Rugby			1538				1542	1617		1638			1642	1647	1717		1738			
Coventry			1550				1611	1630		1650			1711	1730			1750			
Birmingham International			1605				1629	1646		1705			1729	1746			1805			
Birmingham New Street			1617				1642	1701		1717			1742	1801			1817			

PLUSBUS through ticketing available

first class accommodation available

SN operated by Southern

a arrival time

d departure time

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

London Euston	1649	1654	1705	1713	1724	1734	1746	1749	1754	1805	1813	1824	1834	1846	1849	1854	1905	1913	1914
Clapham Junction		1639							1739							1839			
Shepherd's Bush		1653							1753							1854			
Wembley Central		1709							1809							1909			
Harrow & Wealdstone		1714	1718			1746			1814				1846			1914	1918		
Bushey			1723			1751				1823			1851				1923		
Watford Junction	1703	1711	1721	1726	1741	1755		1803	1811	1821	1826	1844	1855		1903	1911	1921	1926	1933
Kings Langley			1731			1759				1831			1859				1931		
Apsley			1735			1803				1835			1903				1935		
Hemel Hempstead		1718	1729	1738	1748	1806			1818	1829	1838	1851	1906			1918			1941
Berkhamstead		1723	1733	1743	1753	1810			1823	1833	1843	1856	1910			1923			1946
Tring			1739	1749	1759	1817				1839	1849	1902	1917				1947		1951
Cheddington					1804							1907							1956
Leighton Buzzard		1736	1748	1742	1809				1836	1848	1844	1912				1936			2001
Bletchley		1743	1755	1750	1816				1843	1855	1852	1919				1943			2007
Milton Keynes Central	1725	1749	1800	1754	1821	1819		1825	1849	1900	1856	1924		1919		1925	1949		2013
Wolverton		1753		1758					1853		1900						1953		1958
Northampton a	1741	1806		1812				1841	1906		1913				1944	2006			2011
Northampton d	1725	1755		1816				1825	1855		1916				1937	1955			2022
Long Buckby	1736	1806		1827				1836	1906		1927				1948	2006			2033
Rugby	1747	1817		1838				1842	1847	1917	1938			1942	1959	2017			2044
Coventry	1811	1830		1850				1911	1930		1950				2011	2030			2056
Birmingham International	1829	1846		1905				1929	1946		2008				2029	2046			2114
Birmingham New Street	1842	1901		1917				1942	2002		2020				2042	2102			2125

PLUSBUS through ticketing available

first class accommodation available

operated by Southern

a arrival time

d departure time

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	0015	0200	0654	0724	0752	0824	0855	0924	0954	1001	1024	1028	1054	1124	1154	1214	1234
London Euston	→																
Clapham Junction		→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Shepherd's Bush																	
Wembley Central	0024	0215															
Harrow & Wealdstone	0029	0223	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Bushey																	
Watford Junction	0035	0239	0250	0255	0713	0745	0810	0845	0855	0914	0945	0957	1010	1019	1040	1046	1055
Kings Langley	0040		→	0311	→	0749	→	0849		→	0949				→	1051	→
Apsley	0044			0322	→	0753		0853		→	0953				→	1055	→
Hemel Hempstead	0046		0316	0328	0720	0756	0817	0856	0921	0956					→	1121	1153
Berkhamsted	0051		→	0339	0725	0801	0822	0901	0926	1001					→	1126	1158
Tring	0056		→	0355	0729	→	0827		0929		→	1036	→	→	→	1131	→
Cheddington	0101		→	0416	0735	→	0832		0935	→		→	→	→	→	1136	→
Leighton Buzzard	0106		0353	0437	0741	0814	0839	0914	0941	1014		1035	1047	1105	1115	1143	1212
Bletchley	0113		0419	0503	0748	0821	0845	0921	0948	1021	→	1042	→	1112	→	1150	1219
Milton Keynes Central	0119		0434	0518	0758	0830	0851	0927	0957	1027		1050	1058	1120	1128	1158	1228
Wolverton	0123			0802	0834	0855	0931	0931	1001	1031	→	1102	→	1132	→	1202	1232
Northampton a	0136			0815	0847	0909	0944		1014	1044		1106	1116	1138	1145	1215	1244
						→	→	→	→	→	→	→	→	→	→	→	→
Northampton d				0926	0940	1000		1100	1108		1140	1158		1255	1302		→
Long Buckby				0937	0951	1011		1111	1119		1151	1209		1306	1313		→
Rugby				0948	1003	1022		1122	1130		1203	1220		1317	1326		→
Coventry				1000	1034			1134				1232		1330			→
Birmingham International				1009	1052			1152				1250		1348			→
Birmingham New Street				1026	1103			1203				1301		1359			→

PLUSBUS through ticketing available

bus service

first class accommodation available

train divides at this station

SN operated by Southern

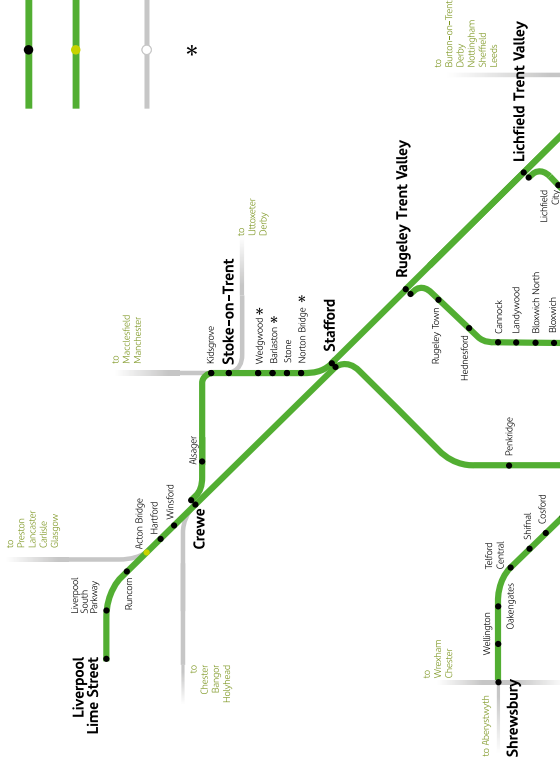
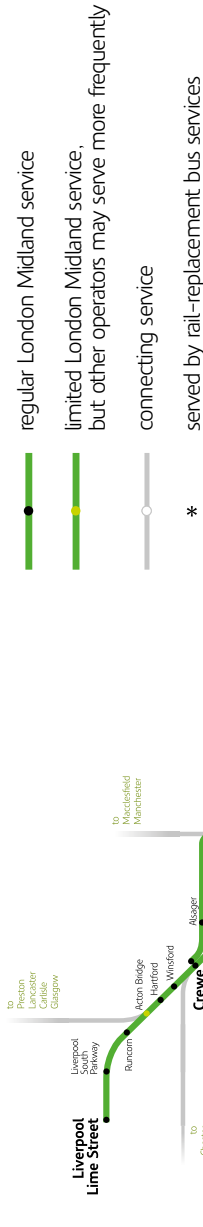
a arrival time

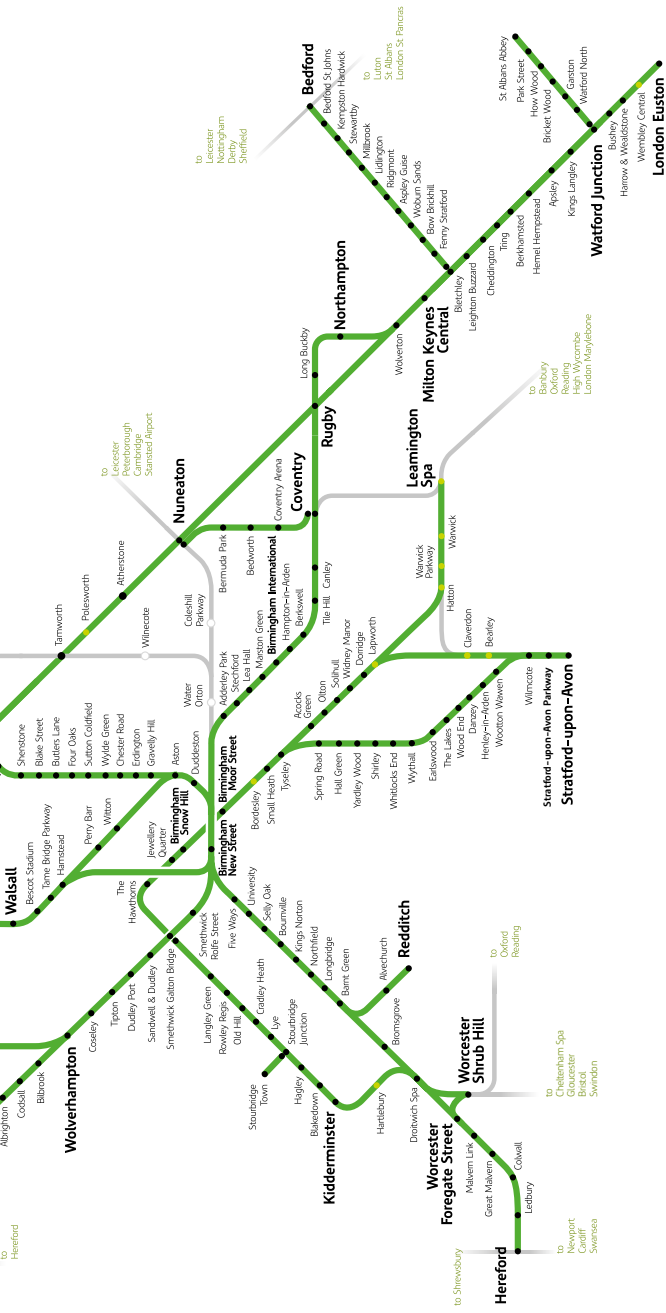
d departure time

s stops to set down only

Special events and maintenance work
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London **midland**





London Euston	1250	1254	1314	1334	1350	1354	1414	1434	1450	1454	1514	1534	1550	1554	1614	1634	1650	1654	1714	1734	1750
Clapham Junction																					
Shepherd's Bush			1305				1405					1505				1605			1705		
Wembley Central			1319	▼			1419	▼				1519				1619			1719		
Harrow & Wealdstone		1306	1326	1335	→		1406	1426	1435	→	1506	1526	1535	→	1606	1626	1635	→	1706	1726	1735
Bushey			1331	▼			1431	▼				1531	▼		1631	▼			1731	▼	
Watford Junction	1306	1313	1334	1342	1350	1406	1413	1434	1442	1450	1506	1513	1534	1542	1606	1613	1634	1642	1706	1713	1734
Kings Langley			1339		→		1439					1539			1639				1739		
Apsley			1343				1443					1543			1643				1743		
Hemel Hempstead		1320	1346		1357	1420	1446	1457		1520	1546	1557			1620	1646	1657		1720	1746	1757
Berkhamsted		1325	1351	1402		1425	1451	1502		1525	1551	1602			1625	1651	1702		1725	1751	1802
Tring		1329	1357	→		1429	1457	→		1529	1557	→			1629	1657	→		1729	1757	→
Cheddington		1335			→	1435				1535					1635				1735		
Leighton Buzzard	1327	1341		1415	1427	1441		1515	1527	1541		1615	1627	1641		1715	1727	1741		1815	1827
Bletchley	▼	1348		1422	▼	1448		1522	▼	1548		1622	▼	1648		1722	▼	1748		1822	▼
Milton Keynes Central	1337	1354		1428	1437	1454		1528	1537	1554		1628	1637	1654		1728	1737	1754		1828	1837
Wolverton	▼			1432	▼			1532	▼			1632	▼			1732	▼			1832	▼
Northampton a	1351			1444	1452			1544	1552		1644	1653			1744	1753			1844	1852	
Northampton d	1402			1455	1502			1555	1602		1655	1702			1755	1802			1855	1902	
Long Buckley	1413			1506	1513			1606	1613		1706	1713			1806	1813			1906	1913	
Rugby	1426			1517	1526			1617	1626		1717	1726			1817	1826			1917	1926	
Coventry			1530					1630			1730				1830				1930		
Birmingham International			1548					1648			1748				1848				1948		
Birmingham New Street			1559					1659			1759				1859				1959		

PLUSBUS through ticketing available

first class accommodation available

SN operated by Southern

a arrival time

d departure time

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

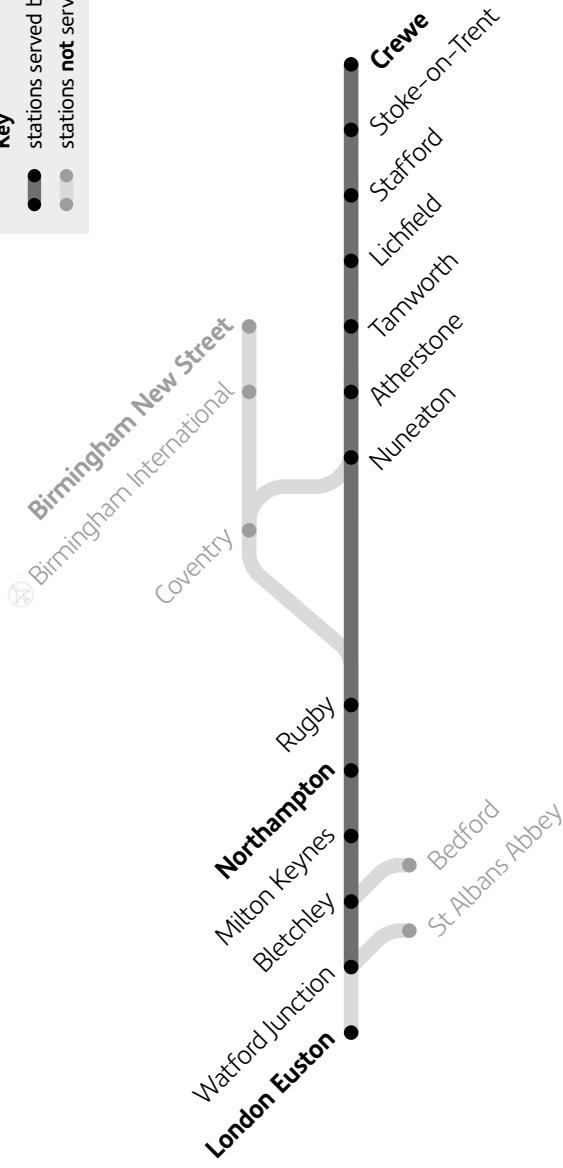
London Euston	1754	1814	1834	1850	1854	1914	1934	1950	1954	2014	2034	2106	2130	2200	2228	2258	2325	2334	0004	0034	0134
Clapham Junction	→	1805	→	→	→	→	1905	→	→	2005	→	→	→	2115	→	2215	→	→	→	→	→
Shepherd's Bush	→	1819	→	→	→	→	1919	→	→	2019	→	→	→	2128	→	2229	→	→	→	→	→
Wembley Central	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Harrow & Wealdstone	1806	1826	1835	→	1906	1926	1935	→	2006	2026	2035	→	2142	2146	2212	2240	2249	2310	→	→	→
→ Bushey	→	1831	→	→	→	1931	→	→	→	2031	→	→	2147s	→	2245s	→	→	2346	0016	0048	0150
→ Watford Junction	1813	1834	1842	1850	1906	1913	1934	1942	2013	2034	2042	2050	2123	2150	2153	2219	2249	2256	2317	2339u	0053s
Kings Langley	→	1839	→	→	→	1939	→	→	→	2039	→	→	2154	→	2253	2321	→	→	2359	→	→
→ Apsley	→	1843	→	→	→	1943	→	→	→	2043	→	→	2158	→	2257	2325	→	→	0003	→	0106
→ Hemel Hempstead	1820	1846	1857	→	1920	1946	1957	→	2020	2046	→	2057	2130	2201	2226	2300	2328	→	0006	0032	0109
→ Berkhamsted	1825	1851	1902	→	1925	1951	2002	→	2025	2051	→	2102	2135	2206	2231	2305	2333	→	0011	0037	0114
→ Tring	1829	1857	→	→	1929	1957	→	→	2029	2057	→	2139	→	→	2235	→	2338	→	0016	0042	0118
Cheddington	1835	→	→	→	1935	→	→	→	2035	→	→	2144	→	→	→	→	2343	→	0021	0047	0124
→ Leighton Buzzard	1841	→	1915	1927	1941	→	2015	2027	2041	→	2115	2149	2219	2247	2318	2350	→	0028	0053	0130	0222
→ Bletchley	1848	→	1922	→	1948	→	2022	→	2048	→	2122	2156	2226	2254	2325	2357	→	0035	0100	0137	0229
→ Milton Keynes Central	1854	→	1928	1937	1954	→	2028	2037	2054	→	2128	2204	2234	2303	2333	0005	0012	0043	0109	0146	0237
→ Wolverton	→	1932	→	→	→	→	2032	→	→	→	2132	2208	2238	2307	2337	0009	→	0047	0112	0149	→
→ Northampton a	→	1944	1953	→	→	→	2044	2054	→	→	2146	2221	2250	2319	2350	0023	→	0100	0126	0203	→
→ Northampton d	→	1955	2002	→	→	→	2055	2106	→	→	2155	2252	2252	2332	→	→	→	→	→	→	→
Long Buckley	→	2006	2013	→	→	→	2106	2117	→	→	2206	2303	2303	2343	→	→	→	→	→	→	→
→ Rugby	→	2017	2026	→	→	→	2117	2130	→	→	2217	2314	2314	2354	→	→	→	→	→	→	→
→ Coventry	→	2030	→	→	→	→	2130	→	→	→	2230	2338	2338	0007	→	→	→	→	0046s	→	→
→ Birmingham International	→	2048	→	→	→	→	2148	→	→	→	2248	2356	2356	0007	→	→	→	→	0058s	→	→
→ Birmingham New Street	→	2059	→	→	→	→	2159	→	→	→	2259	0007	0007	→	→	→	→	→	0109s	→	0122

PLUSBUS through ticketing available
 first class accommodation available
 seat and bicycle reservations available
 operated by Southern
 operated by Virgin Trains

a arrival time
d departure time
s stops to set down only
u stops to pick up only

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

Key stations served by this table stations **not** served by this table

	Crewe	0536	0521	0602	0628	0653	0635b	0717	0652b	0755	0823	0829	0925	0902b	1022	1002b	1122
	Alsager						0644			0804				0911		1011	
	Kidsgrove						0648			0808				0915		1015	
	Stoke-on-Trent						0656	0706	0719	0812		0912		0928		1028	
	Stone						0704			0825				0936		1036	
	Stafford a	0554		0620			0714	0722 0735	0739	0836	0840		0943	0951	1040	1050	1140
	Stafford d	0555		0622		0654		0724 0736	0740	0837	0843		0944	0955	1042	1055	1142
	Rugeley Trent Valley		0559						0749	0846				1005		1105	
	Lichfield Trent Valley		0607		0641	0708			0757	0854	0901			1013		1113	
	Tamworth		0613		0648	0715			0803	0901	0907			1020		1120	
	Polesworth																
	Atherstone		0622						0812	0909				1028		1128	
	Nuneaton	0618	0630		0708	0735			0819	0916		0945		1036		1136	
	Rugby a	0631	0646	0652	0707				0834	0932				1051		1152	
	Rugby d	0632	0647	0654	0708			0823	0834	0923	0932		1023	1053	1123	1153	
	Northampton		0707														
	Milton Keynes Central	0651		0713					0855	0953				1114		1214	
	Watford Junction						0916s										
	London Euston	0729	0805	0751	0758	0823	0834	0934	0915	1029	1001	1019	1105	1150	1215	1250	1259

first class accommodation available
 seat and bicycle reservations available
 PLUSBUS through ticketing available

d departure time
s stops to set down only

A continues to Birmingham New Street arrive 0805. Also calls at Wolverhampton 0729, Coseley 0745, Tipton 0748, Dudley Port 0750, Smethwick Galton Bridge 0755 and Smethwick Rolfe Street 0757

VT operated by Virgin Trains

a arrival time
b passengers can depart later from Crewe, by changing at Stafford

Stafford improvement works

During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	Crewe	1902b	2024	VT		VT	2029	2010b	2124	VT		
	Alsager	1911						2019				
	Kidsgrove	1915						2023				
	Stoke-on-Trent	1928						2033				
	Stone	1936						2041				
	Stafford a	1950					2047	2054	2143			
	Stafford d	1950					2048	2100	2144			
	Rugeley Trent Valley	1959						2109	▼			
	Lichfield Trent Valley	2008						2118	2158			
	Tamworth	2015						2125	2205			
	Polesworth	▼						▼				
	Atherstone	2023						2133				
	Nuneaton	2030	2103					2140	2218			
	Rugby a	2046						2155	2231			
	Rugby d	2047				2123		2158	2232			
	Northampton	2107						2217	▼	2255		
	Milton Keynes Central							2135	2254	2312		
	Watford Junction	2149s						▼	2325s	2358		
	London Euston	2209	2213	2213				2346	0021			

 first class accommodation available

 seat and bicycle reservations available

 PLUSBUS through ticketing available

VT operated by Virgin Trains

a arrival time

b passengers can depart later from Crewe, by changing at Stafford

d departure time

s stops to set down only

Stafford improvement works

During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

 Crewe	1302b	1422		1302b	1422		1402b	1522		1502b	1622		1602b	1723		1702b	1801	1802b	1923	1903	1902b	2023	2001
 Alsager	1311			1411			1411			1511			1611			1711		1811			1911		
 Kidsgrove	1315			1415			1415			1515			1615			1715		1815			1915		
 Stoke-on-Trent	1328			1428			1428			1528			1628			1728		1828			1928		
 Stone	1336			1436			1436			1536			1636			1736		1836			1936		
 Stafford a	1351	1440		1450	1540		1450	1540		1551	1640		1650	1741		1750		1850	1941		1950	2041	
 Stafford d	1355	1442		1455	1542		1455	1542		1555	1642		1655	1743		1755	1836	1855	1942		1951	2043	
 Rugeley Trent Valley	1405			1505			1505			1605			1705	▼		1805		1905			2000		
 Lichfield Trent Valley	1413			1513			1513			1613			1713	1758		1813		1913			2008		
 Tamworth	1420			1520			1520			1620			1720			1820		1920			2015		
 Polesworth	▼			▼			▼			▼			▼			▼		▼			▼		
 Atherstone	1428			1528			1528			1628			1728			1828		1928			2023		
 Nuneaton	1436			1536			1536			1636			1736			1836		1936			2031		
 Rugby a	1451			1551			1551			1651			1751			1851		1942	1951		2042	2046	2142
 Rugby d	1426	1453		1523	1553		1523	1553		1623	1653		1723	1753		1826	1853	1923	1943	1952	2043	2047	2143
 Northampton	▼			▼			▼			▼			▼			▼		▼	2012		▼	2106	▼
 Milton Keynes Central	1514			1614			1614			1714			1814			1914		2005			2104	2134	2204
 Watford Junction	▼			▼			▼			▼			▼			▼		2034s			2135s	2218	2234s
London Euston	1516	1550	1559	1615	1650	1659	1615	1650	1659	1715	1750	1759	1815	1850	1907	1917	1950	2055	2117	2157	2237	2215	2255

 first class accommodation available
 seat and bicycle reservations available
 PLUSBUS through ticketing available
VT operated by Virgin Trains
a arrival time

b passengers can depart later from Crewe, by changing at Stafford
d departure time
s stops to set down only
B until 18 June and from 17 September
C from 25 June to 10 September

Stafford improvement works
During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

Special events and maintenance work
Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	Crewe	0843	0853	0913	0932	1014	1044	1037	1114	1149	1137	1223	1237	1323	1353	1337	1423	1432	1523	1537	1623			
	Alsager				0941			1046			1146		1246			1346		1441		1546				
	Kidsgrove				0945			1050			1150		1250			1350		1445		1550				
	Stoke-on-Trent				0953			1059			1159		1259			1359		1453		1559				
	Stone				1001			1107			1207		1307			1407		1501		1607				
	Stafford a	0901		0931	1015	1032		1118	1135		1218	1242	1318	1342		1418	1442	1513	1542	1618	1642			
	Stafford d	0903		0933	1019	1034		1119	1136		1219	1244	1319	1344		1419	1444	1519	1544	1619	1644			
	Rugeley Trent Valley				1028			1128			1228		1328			1428		1528		1628				
	Lichfield Trent Valley		0925		1036			1136			1236		1336			1436		1536		1636				
	Tamworth				1043			1143			1243		1343			1443		1543		1643				
	Polesworth																							
	Atherstone				1051			1151			1251		1351			1451		1551		1651				
	Nuneaton			0956	1058	1057		1158	1159		1232	1258	1358			1433	1458	1558		1658				
	Rugby a				1117			1132	1213		1313		1413			1513		1613		1713				
	Rugby d				1120			1133c	1220		1320		1420		1422	1520		1620		1624	1720			
	Northampton				1141			1241			1341		1441			1541		1641		1741				
	Milton Keynes Central				1204	1145	1207	1304			1304	1404	1504			1604		1704		1804				
	Watford Junction	1034s		1116s	1240			1334	1252s		1434		1534			1634		1734		1834				
	London Euston	1058	1108	1137	1301	1232	1246	1353	1313	1320	1346	1453	1404	1418	1518	1545	1653	1604	1618	1753	1705	1717	1853	1803

first class accommodation available

◇ seat and bicycle reservations available

PLUSBUS through ticketing available

VT stops to set down only

operated by Virgin Trains

a arrival time

c 1 minute later from 30 October

d departure time

s stops to set down only

Stafford improvement works

During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

 Crewe	VT	1654	1637	1723	VT	1737	1823	VT	1837	1923	1937	2024	2045	2124
Alsager		1646		1746		1746		1846		1946		2054		
Kidsgrove		1650		1750		1750		1850		1950		2059		
 Stoke-on-Trent		1659		1759		1759		1859		1959		2107		
Stone		1707		1807		1807		1907		2007		2115		
 Stafford a		1718		1742		1818	1842		1918	1942	2018	2042	2127	2142
 Stafford d		1719		1744		1819	1844		1922	1944	2019	2043	2127	2144
Rugeley Trent Valley		1728				1828			1931		2028		2136	
 Lichfield Trent Valley		1727		1736		1836			1935		2036		2144	2201
 Tamworth		1743				1843			1946		2043		2151	2207
Polesworth														
Atherstone		1751				1851			1954		2051		2159	
 Nuneaton		1758				1858			2001		2058		2206	2219
 Rugby a		1813				1913			2016		2113		2221	2231
 Rugby d		1820				1920		1926	2017		2120		2222	2233
 Northampton		1841				1941			2038		2141		2244	
 Milton Keynes Central		1804		1904		2006			2106		2210	2136	2304	2315
 Watford Junction				1934		2035			2134		2252		2334s	2357
London Euston		1818	1844	1953	1904	1917	2054	2005	2155	2103	2315	2228	2354	0021

-  first class accommodation available
 seat and bicycle reservations available
 PLUSBUS through ticketing available
VT operated by Virgin Trains

Stafford improvement works
During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

Special events and maintenance work
Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

London Euston	0526	0530	0624e	0703	0707	0746	0803	0807	0846	0903	0907	0946	1003	1007	1046	1103	1107	1146	1203	1207	1246	1303	1307
Watford Junction	0545u	0550u	0641																				
Milton Keynes Central	0615	0623	0721			0819		0838	0919			1019			1119			1219			1319		
Northampton	0545		0635	0745																			
Rugby a	0605	0645	0659	0804	0751	0841	0851		0941	0951		1041	1051		1141	1151		1241	1251		1341	1351	
Rugby d	0606	0645	0659	0804		0842			0942			1042			1142			1242			1342		
Nuneaton	0620	0645	0712	0816		0854			0954			1054			1154			1254			1354		
Atherstone	0626		0718	0822		0900			1000			1100			1200			1300			1400		
Polesworth			0723																				
Tamworth	0635		0729	0829		0909			1009			1109			1209			1309			1409		
Lichfield Trent Valley	0641		0735	0835		0917			1017			1117			1217			1317			1417		
Rugeley Trent Valley	0649		0743	0843		0925			1025			1125			1225			1325			1425		
Stafford a	0658	0708	0753	0854	0822	0936	0822	0927	1035	1022	1135	1122	1235	1122	1235	1222	1338	1322	1438	1422			
Stafford d	0700	0708	0755	0855	0823	0942	0823	0942	1042	1023	1142	1123	1242	1123	1242	1223	1339	1323	1442	1423			
Stone	0709		0803	0903		0950			1050			1150			1250			1350			1450		
Stoke-on-Trent	0721		0812	0912		1002			1102			1202			1302			1402			1502		
Kidsgrove	0729		0821	0921		1011			1111			1211			1311			1411			1511		
Alsager	0733		0825	0925		1015			1115			1215			1315			1415			1515		
Crewe	0743	0727	0730	0934	0841	1024	0841		1124	1041	1224	1141	1324	1141	1324	1241	1424	1341	1524	1441			

first class accommodation available

seat and bicycle reservations available

PLUSBUS through ticketing available

VT operated by Virgin Trains

a arrival time

d departure time

e passengers can depart later from

u London Euston, by changing at Rugby stops to pick up only

Stafford improvement works

During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	1346	1403	1407	1446	1503	1507	1546	1603	1607	1633	1646	1657	1703	1707	1710	1733	1746	1757	1803	1807	1810		1833	1840	1846
London Euston	➤						➤				➤				➤		➤				➤				
Watford Junction																									
Milton Keynes Central	1419			➤			➤				➤				➤		➤				➤				
Northampton				➤			➤				➤				➤		➤				➤				
Rugby a	1441	1451		1541	1551		1641	1651		1722	1741		1751			1821	1841		1851				1922	1939	
Rugby d	1442			1542			1642			1723	1747					1823	1847						1923	1940	
Nuneaton	1454			1554			1654				1800				1812		1900				1913				
Atherstone	1500			1600			1700				1806						1906								
Polesworth	➤						➤										➤								
Tamworth	1509			1609			1709				1815	1800					1915	1900					1944		
Lichfield Trent Valley	1517			1617			1717				1822	1808					1922	1908					1951		
Rugeley Trent Valley	1525			1625			1725				1829						1929								
Stafford a	1535		1522	1635		1622	1735		1722	1754	1840			1824		1852	1939		1922			1939	1953	2012s	
Stafford d	1542		1523	1642		1623	1742		1723	1758	1842			1826		1856	1942		1923			1945	1954		
Stone	1550			1650			1750				➤						➤					1954			
Stoke-on-Trent	1602			1702			1802				1907						2002					2007			
Kidsgrove	1611			1711			1811				➤						➤					2015			
Alsager	1615			1715			1815															2020			
Crewe	1624	1541	1724			1641	1824	1741	1817	1927			1842	1855	1914	2025			1941	1953	2032	2013	2017	2042	

first class accommodation available
 seat and bicycle reservations available
 PLUSBUS through ticketing available

s stops to set down only
u stops to pick up only

D starts from Birmingham New Street 1901.
Also calls at Smethwick Galton Bridge 1907,
Wolverhampton 1920 and Penkridge 1929

Stafford improvement works
During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

Special events and maintenance work
Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

VT operated by Virgin Trains

a arrival time
d departure time

FO train only runs on Fridays

	1849e	1903	1910	1940	2003	2007	2013	2030	2103	2107	2110	2200
London Euston	1849e	1903	1910	1940	2003	2007	2013	2030	2103	2107	2110	2200
Watford Junction	1923	1941					2054	2135	2139	2125u		
Milton Keynes Central	1946						2123	2156				2240
Northampton	2005	1951			2051		2142			2203	2302	
Rugby a	2006						2145			2205	2303	
Rugby d	2018	2012			2103	2200	2206					2314
Nuneaton	2024											
Atherstone												
Polesworth												
Tamworth	2032			2043			2215	2135				2326s
Lichfield Trent Valley	2038			2050			2222	2142				2333s
Rugeley Trent Valley	2045						2229					
Stafford a	2055	2036	2102	2127						2237	2349s	
Stafford d	2057	2037	2104	2127						2237		
Stone	2105											
Stoke-on-Trent	2121						2250					
Kidsgrove	2125											
Alsager	2134	2053	2121			2146	2309					
Crewe									2251	2258	0017	

first class accommodation available

seat reservations recommended
(Virgin Trains Fridays only)

seat and bicycle reservations available

PLUSBUS through ticketing available

operated by Virgin Trains

a arrival time

d departure time

e passengers can depart later from
London Euston, by changing at Rugby

s stops to set down only

u stops to pick up only

Stafford improvement works

During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

London Euston	0605	0624e	0703	0707	0746	0803	0807	0846	0903	0907	0946	1003	1007	1010	1046	1103	1107	1146	1203	1207	1246	1303	1307
Watford Junction	0620u	0641																					
Milton Keynes Central	0641	0724			0819			0919			1019			1041	1119			1219			1319		
Northampton	0541	0638	0745																				
Rugby a	0601	0702	0804	0751	0841	0851		0941	0951		1041	1051			1141	1151		1241	1251		1341	1351	
Rugby d	0602	0703	0804		0842			0942			1042				1142			1242			1342		
Nuneaton	0616		0816		0854			0954			1054				1154			1254			1354		
Atherstone	0622	0718	0822		0900			1000			1100				1200			1300			1400		
Polesworth		0723																					
Tamworth	0629	0729	0829		0909			1009			1109				1209			1309			1409		
Lichfield Trent Valley	0635	0735	0835		0917			1017			1117			1124	1217			1317			1417		
Rugeley Trent Valley	0643	0743	0843		0925			1025			1125				1225			1325			1425		
Stafford a	0653	0733	0853	0822	0936		0923	1036		1025	1135		1122		1235		1222	1339		1322	1435	1422	
Stafford d	0658	0734	0854	0823	0942		0923	1042		1026	1142		1123		1242		1223	1342		1323	1442	1423	
Stone	0707	0803	0903		0950			1050			1150				1250			1350			1450		
Stoke-on-Trent	0715	0815	0915		1002			1102			1202				1302			1402			1502		
Kidsgrove	0723	0823	0923		1011			1111			1211				1311			1411			1511		
Alsager	0728	0827	0928		1015			1115			1215				1315			1415			1515		
Crewe	0738	0753	0837	0938	0841	1024	0941	1124	1044	1224		1141	1153	1324	1241	1424	1341	1524	1441				

first class accommodation available

seat and bicycle reservations available

PLUSBUS through ticketing available

VT operated by Virgin Trains

a arrival time

d departure time

e passengers can depart later from

London Euston, by changing at Rugby

u stops to pick up only

Stafford improvement works

During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

London Euston	1346	1403	1407	1446	1503	1507	1546	1603	1607	1633	1646	1703	1707	1746	1803	1807	1833	1846	1903	1907	2011	2020	2031	2100
Watford Junction	➤			➤			➤				➤			➤				➤			➤		➤	
Milton Keynes Central	1419			1519			1619				1719			1819				1919			2105		2046u	2145
Northampton	➤			➤			➤				➤			➤				➤			➤			
Rugby a	1441	1451		1541	1551		1641	1651			1741	1751		1841	1851			1941	1951		2115		2134	
Rugby d	1442			1542			1642				1742			1842				1942			2115		2136	
Nuneaton	1454			1554			1654				1754			1854				1958						
Atherstone	1500			1600			1700				1800			1900				2004			2133			
Polesworth	➤			➤			➤				➤			➤				➤						
Tamworth	1509			1609			1709				1738	1809		1909				1938	2014				2153	
Lichfield Trent Valley	1517			1617			1717				1745	1817		1917				1945	2021				2200	
Rugeley Trent Valley	1525			1625			1725				1825			1925				➤	2029					
Stafford a	1535			1635			1735				1758	1838		1826	1936			1958	2038		2110	2146	2232	
Stafford d	1538			1642			1742				1844	1923		1827	1942			2044			2110	2146	2234	
Stone	1550			1650			1750				1852			1950				➤	2102		2119			
Stoke-on-Trent	1602			1702			1802				1902			2002				2127			2205			
Kidsgrove	1611			1711			1811				1911			2011				➤	2135					
Alsager	1615			1715			1815				1915			2015				➤	2140					
Crewe	1624	1541	1724		1641	1824		1741			1927			1845	2024			2122			2205		2229	2258

 first class accommodation available
 seat and bicycle reservations available
 PLUSBUS through ticketing available

a arrival time
d departure time
u stops to pick up only

VT operated by Virgin Trains

E starts from Birmingham New Street 2036.
Also calls at Coseley 2047,
Wolverhampton 2054 and
Penkridge 2104

Stafford improvement works

During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

	1950f	2005	2008	2025	2035	2121	2151
London Euston			▼				▼
Watford Junction	2006						
Milton Keynes Central	2037	2041					2239
Northampton	2106						▼
Rugby a	2128						2318
Rugby d	2130						2319
Nuneaton	2143	2104				2253	2330
Atherstone	2149						
Polesworth	▼						
Tamworth	2158			2132			
Lichfield Trent Valley	2204			2139			
Rugeley Trent Valley	2212						
Stafford a	2225	2131			2159	2318	2354s
Stafford d	2226	2133			2200	2318	
Stone	2235						
Stoke-on-Trent	2245						
Kidsgrove	2253						
Alsager	2257						
Crewe	2307	2144	2153	2210	2220	2341	0019

first class accommodation available

seat and bicycle reservations available

PLUSBUS through ticketing available

VT operated by Virgin Trains

a arrival time

d departure time

f passengers can depart 10 minutes later from London Euston, by changing at Rugby

s stops to set down only

Stafford improvement works

During the Spring bank holiday, works in the Stafford area will affect trains along this route, please check your times before you travel.

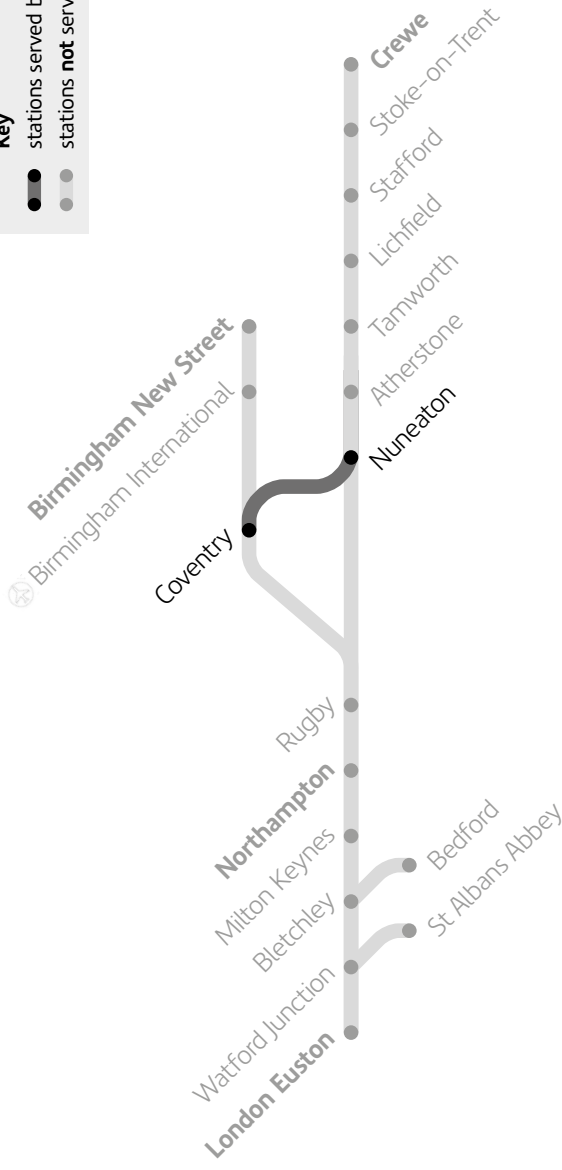
Special events and maintenance work

Changes to our planned timetable can occur at short notice. Online journey planners generally provide the most up-to-date information.

Key

● stations served by this table

● stations **not** served by this table



Mondays to Fridays

 Nuneaton	0633	0737	0833	1014	1114	1214	1314	1414	1514	1614	1714	1814	1914	2014	2114	2214
Bermuda Park	0637	0741	0837	1018	1118	1218	1318	1418	1518	1618	1718	1818	1918	2018	2118	2218
Bedworth	0641	0745	0841	1022	1122	1222	1322	1422	1522	1622	1722	1822	1922	2022	2122	2222
Coventry Arena	0647	0751	0847	1028	1128	1228	1328	1428	1528	1628	1728	1828	1928	2028	2128	2228
 Coventry	0655	0759	0855	1036	1136	1236	1336	1436	1536	1636	1736	1836	1936	2036	2136	2236

Saturdays

 Nuneaton	0644	0814	0914	1014	1114	1214	1314	1414	1514	1614	1714	1814	1944	2114	2214
Bermuda Park	0648	0818	0918	1018	1118	1218	1318	1418	1518	1618	1718	1818	1948	2118	2218
Bedworth	0652	0822	0922	1022	1122	1222	1322	1422	1522	1622	1722	1822	1952	2122	2222
Coventry Arena	0658	0828	0928	1028	1128	1228	1328	1428	1528	1628	1728	1828	1958	2128	2228
 Coventry	0706	0836	0936	1036	1136	1236	1336	1436	1536	1636	1736	1836	2006	2136	2236

Sundays

 Nuneaton	1236	1411	1511	1611	1711	1811	2011	2200
Bermuda Park	1240	1415	1515	1615	1715	1815	2015	2204
Bedworth	1244	1419	1519	1619	1719	1819	2019	2208
Coventry Arena	1250	1425	1525	1625	1725	1825	2025	2214
 Coventry	1258	1433	1533	1633	1733	1833	2033	2222

Mondays to Fridays

Coventry	0604	0704	0804	0904	1042	1142	1242	1342	1442	1542	1642	1742	1842	1942	2042	2142
Coventry Arena	0611	0711	0811	0911	1049	1149	1249	1349	1449	1549	1649	1749	1849	1949	2049	2149
Bedworth	0617	0717	0817	0917	1055	1155	1255	1355	1455	1555	1655	1755	1855	1955	2055	2155
Bermuda Park	0621	0721	0821	0921	1059	1159	1259	1359	1459	1559	1659	1759	1859	1959	2059	2159
Nuneaton	0626	0726	0826	0926	1104	1204	1304	1404	1504	1604	1704	1804	1904	2004	2104	2204

Saturdays

Coventry	0615	0715	0842	0942	1042	1142	1242	1342	1442	1542	1642	1742	1842	2015	2142
Coventry Arena	0622	0722	0849	0949	1049	1149	1249	1349	1449	1549	1649	1749	1849	2022	2149
Bedworth	0628	0728	0855	0955	1055	1155	1255	1355	1455	1555	1655	1755	1855	2028	2155
Bermuda Park	0632	0732	0859	0959	1059	1159	1259	1359	1459	1559	1659	1759	1859	2032	2159
Nuneaton	0637	0737	0904	1004	1104	1204	1304	1404	1504	1604	1704	1804	1904	2037	2204

Sundays

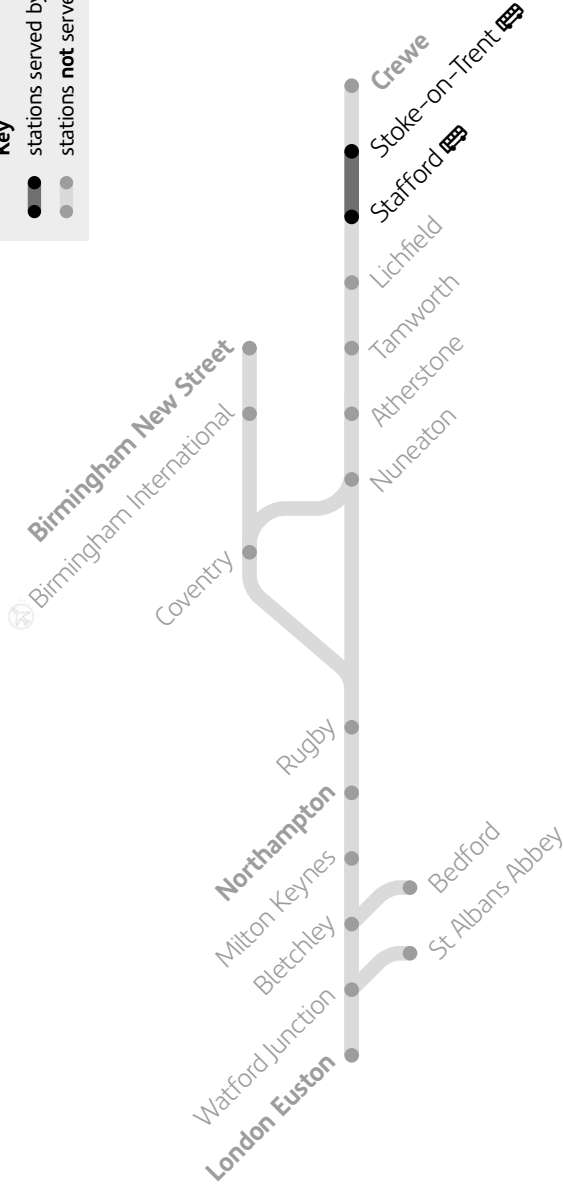
Coventry	1146	1339	1439	1539	1639	1739	1939	2132
Coventry Arena	1153	1346	1446	1546	1646	1746	1946	2139
Bedworth	1159	1352	1452	1552	1652	1752	1952	2145
Bermuda Park	1203	1356	1456	1556	1656	1756	1956	2149
Nuneaton	1208	1401	1501	1601	1701	1801	2001	2154

 PLUSBUS through ticketing available

Key

● stations served by this table

● stations **not** served by this table



Mondays to Fridays

Service No	14	14	13	14	13	14	14	13	14	14	13	14	13	14	14	13	14	13	14
Stafford Railway Station			0835		1035	1205		1405			1530		1645			1745			
Norton Bridge Station Drive			0858		1058	1228		1428			1548		1708			1803			
Stone Granville Square			▼		▼	▼		▼								▼			
Stone Crown Street	0715	0840	0908	0945	1045	1108	1145	1238	1245	1345	1438	1455		1550		1735	1835	1839	
Barlaston Orchard Place	0730	0855		1000	1100		1200		1300	1400		1510		1605		1750	1850		
Wedgwood, Entrance Old Rd	0732	0857		1002	1102		1202		1302	1402		1512		▼		1752	1852		
Wedgwood, Wedgwood Ln	▼	▼		▼	▼		▼		▼	▼		▼		1611		▼			
Stoke-on-Trent Railway Stn	0753	0918		1023	1123		1223		1323	1423		1533		1633		1813			
Stoke City Centre	0800	0925		1030	1130		1230		1330	1430		1540		1640		1820			

Services on Bank Holidays

Spring Bank Holiday Monday:
An amended service will operate.

August Bank Holiday Monday:
An amended service will operate

visit National Rail Enquiries on
03457 48 49 50

or londonmidland.com for further details

Saturdays

Service No	14	14	13	14	14	14	13	14	14	14	13	14	14	13A	14	13A	14	14	14	13	14
Stafford Railway Station			0835				1035				1205					1530				1405	
Norton Bridge Station Drive			0858				1058				1228					1548				1428	
Stone Granville Square			➤				➤				➤									➤	
Stone Crown Street	0715	0840	0908	0945	1045	1108	1145	1238	1245	1345	1438	1455			1555			1735	1835	1839	
Barlaston Orchard Place	0730	0855		1000	1100		1200		1300	1400		1510			1610			1750	1850		
Wedgwood, Entrance Old Rd	0732	0857		1002	1102		1202		1302	1402		1512			1612			1752	1852		
Wedgwood, Wedgwood Ln	➤	➤		➤	➤		➤		➤	➤		➤			➤			➤			
Stoke-on-Trent Railway Stn	0753	0918		1023	1123		1223		1323	1423		1533			1633			1813			
Stoke City Centre	0800	0925		1030	1130		1230		1330	1430		1540			1640			1820			

bus service

all services are operated by D&G Coaches

(dgbus.co.uk). The 14, 14A and 14B services also serve Stafford University (Stoke Campus) and Hanley

Norton Bridge – bus calls at the end of the station drive

For up-to-date information regarding these bus services please visit www.travelinmidlands.co.uk

no Sunday Service on this route

Mondays to Fridays

	14	13A	14	14	14	13	14	13	14	13	14	13	14	13	14	14B	14
Service No																	
Stoke City Centre	0555		0725	0825		0925	1025		1125		1225	1325		1445	1555	1730	
Stoke-on-Trent Railway Stn	0602		0732	0832		0932	1032		1132		1232	1332		1452	1602	1737	
Wedgwood, Wedgwood Ln	▼		0752	▼		▼	▼		▼		▼	▼		▼	▼	▼	
Wedgwood, Entrance Old Rd	0621	▼	0851		0951	1051		1151		1251	1351		1511	1621	1756		
Barlaston Orchard Place	0624		0759	0854		0954	1054		1154		1254	1354		1514	1624	1759	
Stone Crown Street	▼		▼	▼		▼	▼		▼		▼	▼		▼	▼	▼	
Stone Granville Square	0639	0730	0819	0909		0910	1009	1109	1110	1209	1240	1309	1409	1440	1529	1639	1814
Norton Bridge Station Drive	0807				0921				1121		1251			1451		1713	
Stafford Railway Station	0826				0944				1144		1314			1514		1732	

Saturdays

	13A	14	14	13	14	14	13	14	13	14	13	14	13	14	14B	14
Service No																
Stoke City Centre		0745	0825		0925	1025		1125		1225	1325		1455	1555	1730	
Stoke-on-Trent Railway Stn		0752	0832		0932	1032		1132		1232	1332		1502	1602	1737	
Wedgwood, Wedgwood Ln		0811	▼		▼	▼		▼		▼	▼		▼	▼	▼	
Wedgwood, Entrance Old Rd		▼	0851		0951	1051		1151		1251	1351		1521	1621	1756	
Barlaston Orchard Place		0814	0854		0954	1054		1154		1254	1354		1524	1624	1759	
Stone Crown Street		▼		▼	▼	▼		▼		▼	▼		▼	▼	▼	
Stone Granville Square	0730	0829	0909	0910	1009	1109	1110	1209	1240	1309	1409	1440	1539	1639	1814	
Norton Bridge Station Drive	0807			0921			1121		1251			1451		1713		
Stafford Railway Station	0826			0944			1144		1314			1514		1732		

bus service

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For up-to-date information regarding these bus services please visit www.travelinemidlands.co.uk

no Sunday Service on this route

Services on Bank Holidays
Spring Bank Holiday Monday:
An amended service will operate.

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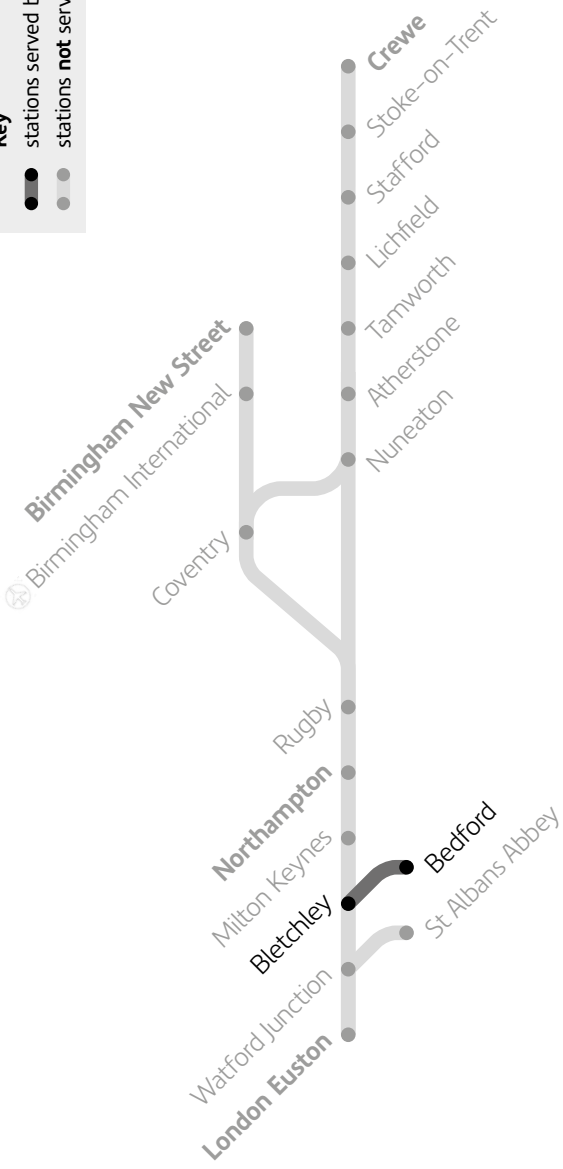
visit National Rail Enquiries on
03457 48 49 50

or londonmidland.com for further details

Key

● stations served by this table

● stations **not** served by this table



	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1
Bletchley	0531	0642	0731	0822	1005	1105	1201	1301	1401	1501	1551	1651	1736	1831	2001	2101				
Fenny Stratford	0534	0645	0734	0826	1008	1108	1204	1304	1404	1504	1554	1654	1739	1834	2004	2104				
Bow Brickhill	0538	0649	0738	0830	1012	1112	1208	1308	1408	1508	1558	1658	1743	1838	2008	2108				
Woburn Sands	0542	0653	0742	0834	1016	1116	1212	1312	1412	1512	1602	1702	1748	1842	2012	2112				
Aspley Guise	0545	0656	0745	0837	1019	1119	1215	1315	1415	1515	1605	1705	1750	1845	2015	2115				
Ridgmont	0549	0700	0749	0841	1023	1123	1219	1319	1419	1519	1609	1709	1754	1849	2019	2119				
Lidlington	0553	0704	0753	0845	1027	1127	1223	1323	1423	1523	1613	1713	1758	1853	2023	2123				
Millbrook	0556	0707	0756	0848	1030	1130	1226	1326	1426	1526	1616	1716	1801	1856	2026	2126				
Stewartby	0559	0710	0759	0852	1033	1133	1229	1329	1429	1529	1619	1719	1804	1859	2029	2129				
Kempston Hardwick	0603	0714	0803	0855	1037	1137	1233	1333	1433	1533	1623	1723	1808	1903	2033	2133				
Bedford St Johns	0609	0720	0809	0902	1043	1143	1239	1339	1439	1539	1629	1729	1814	1909	2039	2139				
Bedford	0615	0726	0815	0906	1049	1149	1245	1345	1445	1545	1635	1735	1820	1915	2045	2145				

trains between Bletchley and Bedford will not run on Bank Holidays.

PLUSBUS through ticketing available

this train is formed of 1 carriage – limited seating and bicycle space on this train

this train is formed of 2 carriages.

London Midland services on this route have Standard class only

 Bletchley	0541	0634	0731	0839	1005	1105	1201	1301	1401	1501	1551	1651	1731	1831	2001	2101
Fenny Stratford	0544	0637	0734	0842	1008	1108	1204	1304	1404	1504	1554	1654	1734	1834	2004	2104
Bow Brickhill	0548	0641	0738	0846	1012	1112	1208	1308	1408	1508	1558	1658	1738	1838	2008	2108
Woburn Sands	0552	0645	0742	0850	1016	1116	1212	1312	1412	1512	1602	1702	1742	1842	2012	2112
Aspley Guise	0555	0648	0745	0853	1019	1119	1215	1315	1415	1515	1605	1705	1745	1845	2015	2115
Ridgmont	0559	0652	0749	0857	1023	1123	1219	1319	1419	1519	1609	1709	1749	1849	2019	2119
Lidlington	0603	0656	0753	0901	1027	1127	1223	1323	1423	1523	1613	1713	1753	1853	2023	2123
Millbrook	0606	0659	0756	0904	1030	1130	1226	1326	1426	1526	1616	1716	1756	1856	2026	2126
Stewartby	0609	0702	0759	0907	1033	1133	1229	1329	1429	1529	1619	1719	1759	1859	2029	2129
Kempston Hardwick	0613	0706	0803	0911	1037	1137	1233	1333	1433	1533	1623	1723	1803	1903	2033	2133
 Bedford St Johns	0619	0712	0809	0917	1043	1143	1239	1339	1439	1539	1629	1729	1809	1909	2039	2139
 Bedford	0625	0718	0815	0923	1049	1149	1245	1345	1445	1545	1635	1735	1815	1915	2045	2145

trains between Bletchley and Bedford will not run on Bank Holidays.

 PLUSBUS through ticketing available

-  this train is formed of 1 carriage – limited seating and bicycle space on this train
-  this train is formed of 2 carriages.

London Midland services on this route have Standard class only

no Sunday Service on this route



Enjoy afternoon tea in the original Ladies Waiting Room, explore the Victorian Booking Office, browse in the Gift Shop & collect information on other attractions along the Marston Vale Line.

Free entry!

Tea Room open daily 9:00 – 4:00 (last orders 3:30) except Mondays & Bank Holidays.
Booking recommended – call 01525 287120.
Heritage Centre open Tuesdays to Saturdays 10:00 – 4:00 until

10th December (10:30 – 3:00 from 1st November)

Visit marstonvalecommunityrail.org.uk or call 01234 832645 for full details.

	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1
 Bedford	0625	0731	0834	0934	1055	1155	1255	1355	1455	1555	1640	1740	1826	1923	2055	2200				
 Bedford St Johns	0628	0734	0837	0937	1058	1158	1258	1358	1458	1558	1643	1743	1829	1926	2058	2203				
Kempston Hardwick	0635	0741	0844	0944	1105	1205	1305	1405	1505	1605	1650	1750	1836	1933	2105	2210				
Stewartby	0638	0745	0847	0947	1108	1208	1308	1408	1508	1608	1654	1754	1839	1936	2108	2213				
Millbrook	0642	0748	0851	0951	1112	1212	1312	1412	1512	1612	1657	1757	1843	1940	2112	2217				
Lidlington	0645	0752	0854	0954	1115	1215	1315	1415	1515	1615	1701	1801	1846	1943	2115	2221				
Ridgmont	0650	0756	0859	0959	1120	1220	1320	1420	1520	1620	1705	1805	1851	1948	2120	2225				
Aspley Guise	0653	0800	0902	1002	1123	1223	1323	1423	1523	1623	1709	1809	1854	1951	2123	2229				
Woburn Sands	0656	0803	0905	1005	1126	1226	1326	1426	1526	1626	1712	1812	1857	1954	2126	2232				
Bow Brickhill	0700	0808	0909	1009	1130	1230	1330	1430	1530	1630	1716	1816	1901	1958	2130	2237				
Fenny Stratford	0703	0811	0912	1012	1133	1233	1333	1433	1533	1633	1719	1819	1904	2001	2133	2240				
 Bletchley	0708	0814	0917	1017	1138	1238	1338	1438	1538	1638	1722	1822	1909	2006	2138	2243				

trains between Bedford and Bletchley will not run on Bank Holidays.

 PLUSBUS through ticketing available

1 this train is formed of 1 carriage – limited seating and bicycle space on this train

2 this train is formed of 2 carriages.

London Midland services on this route have Standard class only

	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1
 Bedford	0631	0731	0831	0934	1055	1155	1255	1355	1455	1555	1640	1740	1823	1923	2055	2200		
 Bedford St Johns	0634	0734	0834	0937	1058	1158	1258	1358	1458	1558	1643	1743	1826	1926	2058	2203		
Kempston Hardwick	0641	0741	0841	0944	1105	1205	1305	1405	1505	1605	1650	1750	1833	1933	2105	2210		
Stewartby	0644	0745	0844	0947	1108	1208	1308	1408	1508	1608	1654	1754	1836	1936	2108	2214		
Millbrook	0648	0748	0848	0951	1112	1212	1312	1412	1512	1612	1657	1757	1840	1940	2112	2217		
Lidlington	0651	0752	0851	0954	1115	1215	1315	1415	1515	1615	1701	1801	1843	1943	2115	2221		
Ridgmont	0656	0756	0856	0959	1120	1220	1320	1420	1520	1620	1705	1805	1848	1948	2120	2225		
Aspley Guise	0659	0800	0859	1002	1123	1223	1323	1423	1523	1623	1709	1809	1851	1951	2123	2229		
Woburn Sands	0702	0803	0902	1005	1126	1226	1326	1426	1526	1626	1712	1812	1854	1954	2126	2232		
Bow Brickhill	0706	0808	0906	1009	1130	1230	1330	1430	1530	1630	1716	1816	1858	1958	2130	2237		
Fenny Stratford	0709	0811	0909	1012	1133	1233	1333	1433	1533	1633	1719	1819	1901	2001	2133	2240		
 Bletchley	0714	0814	0914	1017	1138	1238	1338	1438	1538	1638	1722	1822	1906	2006	2138	2243		

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no Sunday Service on this route



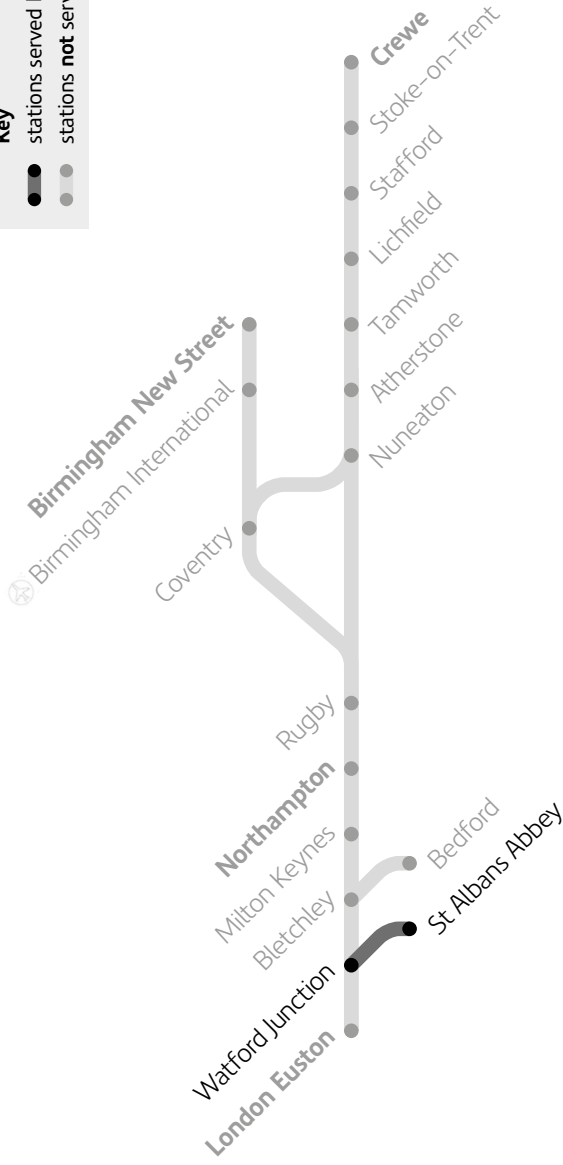
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Key stations served by this table stations **not** served by this table

Until 21 October

Watford Junction	0554	0638	0721	0804	0854	0939	1024	1109	1154	1246	1331	1416	1501	1546	1631	1721	1811	1856	1939	2031	2131
Watford North	0556	0640	0723	0806	0856	0941	1026	1111	1156	1248	1333	1418	1503	1548	1633	1723	1813	1858	1941	2033	2133
Garston	0559	0643	0726	0809	0859	0944	1029	1114	1159	1251	1336	1421	1506	1551	1636	1726	1816	1901	1944	2036	2136
Bricket Wood	0602	0646	0729	0812	0902	0947	1032	1117	1202	1254	1339	1424	1509	1554	1639	1729	1819	1904	1947	2039	2139
How Wood	0604	0648	0731	0814	0904	0949	1034	1119	1204	1256	1341	1426	1511	1556	1641	1731	1821	1906	1949	2041	2141
Park Street	0606	0650	0733	0816	0906	0951	1036	1121	1206	1258	1343	1428	1513	1558	1643	1733	1823	1908	1951	2043	2143
St Albans Abbey	0610	0654	0737	0820	0910	0955	1040	1125	1210	1302	1347	1432	1517	1602	1647	1737	1827	1912	1955	2047	2147

From 24 October

Watford Junction	0546	0632	0718	0804	0853	0939	1025	1125	1225	1325	1415	1501	1548	1635	1721	1808	1854	1940	2030	2131
Watford North	0548	0634	0720	0806	0855	0941	1027	1127	1227	1327	1417	1503	1550	1637	1723	1810	1856	1942	2032	2133
Garston	0551	0637	0723	0809	0858	0944	1030	1130	1230	1330	1420	1506	1553	1640	1726	1813	1859	1945	2035	2136
Bricket Wood	0554	0640	0726	0812	0901	0947	1033	1133	1233	1333	1423	1509	1556	1643	1729	1816	1902	1948	2038	2139
How Wood	0556	0642	0728	0814	0903	0949	1035	1135	1235	1335	1425	1511	1558	1645	1731	1818	1904	1950	2040	2141
Park Street	0558	0644	0730	0816	0905	0951	1037	1137	1237	1337	1427	1513	1600	1647	1733	1820	1906	1952	2042	2143
St Albans Abbey	0604	0650	0736	0822	0911	0957	1043	1143	1243	1343	1433	1519	1606	1653	1739	1826	1912	1958	2048	2149

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Until 22 October

 Watford Junction	0601	0645	0731	0816	0901	0946	1031	1114	1156	1246	1331	1416	1501	1546	1631	1716	1801	1846	1931	2031	2131
Watford North	0603	0647	0733	0818	0903	0948	1033	1116	1158	1248	1333	1418	1503	1548	1633	1718	1803	1848	1933	2033	2133
Garston	0606	0650	0736	0821	0906	0951	1036	1119	1201	1251	1336	1421	1506	1551	1636	1721	1806	1851	1936	2036	2136
Bricket Wood	0609	0653	0739	0824	0909	0954	1039	1122	1204	1254	1339	1424	1509	1554	1639	1724	1809	1854	1939	2039	2139
How Wood	0611	0655	0741	0826	0911	0956	1041	1124	1206	1256	1341	1426	1511	1556	1641	1726	1811	1856	1941	2041	2141
Park Street	0613	0657	0743	0828	0913	0958	1043	1126	1208	1258	1343	1428	1513	1558	1643	1728	1813	1858	1943	2043	2143
 St Albans Abbey	0617	0701	0747	0832	0917	1002	1047	1130	1212	1302	1347	1432	1517	1602	1647	1732	1817	1902	1947	2047	2147

From 29 October

 Watford Junction	0549	0635	0721	0807	0853	0939	1025	1125	1225	1325	1415	1501	1548	1635	1721	1808	1854	1940	2030	2131
Watford North	0551	0637	0723	0809	0855	0941	1027	1127	1227	1327	1417	1503	1550	1637	1723	1810	1856	1942	2032	2133
Garston	0554	0640	0726	0812	0858	0944	1030	1130	1230	1330	1420	1506	1553	1640	1726	1813	1859	1945	2035	2136
Bricket Wood	0557	0643	0729	0815	0901	0947	1033	1133	1233	1333	1423	1509	1556	1643	1729	1816	1902	1948	2038	2139
How Wood	0559	0645	0731	0817	0903	0949	1035	1135	1235	1335	1425	1511	1558	1645	1731	1818	1904	1950	2040	2141
Park Street	0601	0647	0733	0819	0905	0951	1037	1137	1237	1337	1427	1513	1600	1647	1733	1820	1906	1952	2042	2143
 St Albans Abbey	0607	0653	0739	0825	0911	0957	1043	1143	1243	1343	1433	1519	1606	1653	1739	1826	1912	1958	2048	2149

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Until 23 October

Watford Junction	0807	0907	1020	1120	1207	1307	1407	1507	1607	1707	1807	1907	2007	2107	2207
Watford North	0809	0909	1022	1122	1209	1309	1409	1509	1609	1709	1809	1909	2009	2109	2209
Garston	0812	0912	1025	1125	1212	1312	1412	1512	1612	1712	1812	1912	2012	2112	2212
Bricket Wood	0815	0915	1028	1128	1215	1315	1415	1515	1615	1715	1815	1915	2015	2115	2215
How Wood	0817	0917	1030	1130	1217	1317	1417	1517	1617	1717	1817	1917	2017	2117	2217
Park Street	0819	0919	1032	1132	1219	1319	1419	1519	1619	1719	1819	1919	2019	2119	2219
St Albans Abbey	0823	0923	1036	1136	1223	1323	1423	1523	1624	1723	1823	1923	2023	2123	2223

From 30 October

Watford Junction	0807	0907	1020	1120	1207	1307	1407	1507	1607	1707	1807	1907	2007	2102	2204
Watford North	0809	0909	1022	1122	1209	1309	1409	1509	1609	1709	1809	1909	2009	2104	2206
Garston	0812	0912	1025	1125	1212	1312	1412	1512	1612	1712	1812	1912	2012	2107	2209
Bricket Wood	0815	0915	1028	1128	1215	1315	1415	1515	1615	1715	1815	1915	2015	2110	2212
How Wood	0817	0917	1030	1130	1217	1317	1417	1517	1617	1717	1817	1917	2017	2112	2214
Park Street	0819	0919	1032	1132	1219	1319	1419	1519	1619	1719	1819	1919	2019	2114	2216
St Albans Abbey	0825	0925	1038	1138	1225	1325	1425	1525	1626	1725	1825	1925	2025	2120	2222

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Until 21 October

 St Albans Abbey	0614	0658	0742	0825	0915	1000	1045	1130	1215	1307	1352	1437	1522	1607	1652	1742	1832	1917	2000	2052	2152
Park Street	0617	0701	0745	0828	0918	1003	1048	1133	1218	1310	1355	1440	1525	1610	1655	1745	1835	1920	2003	2055	2155
How Wood	0619	0703	0747	0830	0920	1005	1050	1135	1220	1312	1357	1442	1527	1612	1657	1747	1837	1922	2005	2057	2157
Bricket Wood	0622	0706	0750	0833	0923	1008	1053	1138	1223	1315	1400	1445	1530	1615	1700	1750	1840	1925	2008	2100	2200
Garston	0625	0709	0753	0836	0926	1011	1056	1141	1226	1318	1403	1448	1533	1618	1703	1753	1843	1928	2011	2103	2203
Watford North	0627	0711	0755	0838	0928	1013	1058	1143	1228	1320	1405	1450	1535	1620	1705	1755	1845	1930	2013	2105	2205
 Watford Junction	0630	0714	0758	0841	0931	1016	1101	1146	1231	1323	1408	1453	1538	1623	1708	1758	1848	1933	2016	2108	2208

From 24 October

 St Albans Abbey	0609	0655	0741	0827	0916	1002	1048	1148	1248	1348	1438	1524	1611	1658	1744	1831	1917	2003	2053	2154
Park Street	0612	0658	0744	0830	0919	1005	1051	1151	1251	1351	1441	1527	1614	1701	1747	1834	1920	2006	2056	2157
How Wood	0614	0700	0746	0832	0921	1007	1053	1153	1253	1353	1443	1529	1616	1703	1749	1836	1922	2008	2058	2159
Bricket Wood	0617	0703	0749	0835	0924	1010	1056	1156	1256	1356	1446	1532	1619	1706	1752	1839	1925	2011	2101	2202
Garston	0620	0706	0752	0838	0927	1013	1059	1159	1259	1359	1449	1535	1622	1709	1755	1842	1928	2014	2104	2205
Watford North	0622	0708	0754	0840	0929	1015	1101	1201	1301	1401	1451	1537	1624	1711	1757	1844	1930	2016	2106	2207
 Watford Junction	0627	0713	0759	0845	0934	1020	1106	1206	1306	1406	1456	1542	1629	1716	1802	1849	1935	2021	2110	2212

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Until 22 October

 St Albans Abbey	0622	0706	0752	0837	0922	1007	1052	1135	1217	1307	1352	1437	1522	1607	1652	1737	1822	1907	1952	2052	2152
Park Street	0625	0709	0755	0840	0925	1010	1055	1138	1220	1310	1355	1440	1525	1610	1655	1740	1825	1910	1955	2055	2155
How Wood	0627	0711	0757	0842	0927	1012	1057	1140	1222	1312	1357	1442	1527	1612	1657	1742	1827	1912	1957	2057	2157
Bricket Wood	0630	0714	0800	0845	0930	1015	1100	1143	1225	1315	1400	1445	1530	1615	1700	1745	1830	1915	2000	2100	2200
Garston	0633	0717	0803	0848	0933	1018	1103	1146	1228	1318	1403	1448	1533	1618	1703	1748	1833	1918	2003	2103	2203
Watford North	0635	0719	0805	0850	0935	1020	1105	1148	1230	1320	1405	1450	1535	1620	1705	1750	1835	1920	2005	2105	2205
 Watford Junction	0638	0722	0808	0853	0938	1023	1108	1151	1233	1323	1408	1453	1538	1623	1708	1753	1838	1923	2008	2108	2208

From 29 October

 St Albans Abbey	0612	0658	0744	0830	0916	1002	1048	1148	1248	1348	1438	1524	1611	1658	1744	1831	1917	2003	2053	2154
Park Street	0615	0701	0747	0833	0919	1005	1051	1151	1251	1351	1441	1527	1614	1701	1747	1834	1920	2006	2056	2157
How Wood	0617	0703	0749	0835	0921	1007	1053	1153	1253	1353	1443	1529	1616	1703	1749	1836	1922	2008	2058	2159
Bricket Wood	0620	0706	0752	0838	0924	1010	1056	1156	1256	1356	1446	1532	1619	1706	1752	1839	1925	2011	2101	2202
Garston	0623	0709	0755	0841	0927	1013	1059	1159	1259	1359	1449	1535	1622	1709	1755	1842	1928	2014	2104	2205
Watford North	0625	0711	0757	0843	0929	1015	1101	1201	1301	1401	1451	1537	1624	1711	1757	1844	1930	2016	2106	2207
 Watford Junction	0630	0716	0802	0848	0934	1020	1106	1206	1306	1406	1456	1542	1629	1716	1802	1849	1935	2021	2110	2212

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Until 23 October

St Albans Abbey	0828	0928	1042	1142	1228	1328	1428	1528	1628	1728	1828	1928	2028	2128	2228
Park Street	0831	0931	1045	1145	1231	1331	1431	1531	1631	1731	1831	1931	2031	2131	2231
How Wood	0833	0933	1047	1147	1233	1333	1433	1533	1633	1733	1833	1933	2033	2133	2233
Bricket Wood	0836	0936	1050	1150	1236	1336	1436	1536	1636	1736	1836	1936	2036	2136	2236
Garston	0839	0939	1053	1153	1239	1339	1439	1539	1639	1739	1839	1939	2039	2139	2239
Watford North	0841	0941	1055	1155	1241	1341	1441	1541	1641	1741	1841	1941	2041	2141	2241
Watford Junction	0844	0944	1058	1158	1244	1344	1444	1544	1645	1744	1844	1944	2044	2144	2244

From 30 October

St Albans Abbey	0830	0930	1043	1143	1230	1330	1430	1530	1630	1730	1830	1930	2030	2125	2227
Park Street	0833	0933	1046	1146	1233	1333	1433	1533	1633	1733	1833	1933	2033	2128	2230
How Wood	0835	0935	1048	1148	1235	1335	1435	1535	1635	1735	1835	1935	2035	2130	2232
Bricket Wood	0838	0938	1051	1151	1238	1338	1438	1538	1638	1738	1838	1938	2038	2133	2235
Garston	0841	0941	1054	1154	1241	1341	1441	1541	1641	1741	1841	1941	2041	2136	2238
Watford North	0843	0943	1056	1156	1243	1343	1443	1543	1643	1743	1843	1943	2043	2138	2240
Watford Junction	0848	0948	1101	1201	1247	1347	1447	1547	1647	1747	1847	1947	2047	2143	2245

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Notes & symbols

We will be running amended timetables over the May and August bank holidays. Details will be available in online journey planners and information displayed at our stations.

Bikes (except tandems) are welcome on board our trains but please be extra careful when it's busy. On weekdays, only folding bikes are allowed on trains arriving at London Euston between 0700-1000, and departing between 1600-1900.

Call us on 0800 092 4260 if you need some help getting on or off the trains and we'll make the necessary arrangements. Please give at least 24 hours notice if possible.

Rail User Groups
If you'd like to be more involved with the development of rail services, why not join your local rail user group.

Richard Crane, Chairman
web: bbrua.org.uk
email: chairman@bbrua.org.uk
tel: 01234 351 771

web: transportfocus.org.uk
email: advice@transportfocus.org.uk
tel: 0300 123 2350
post: Freepost (RTEH-XAGE-BYKZ),
 Transport Focus, PO Box 5594,
 Southend-on-Sea, SS1 9PZ

The Community Rail Partnership brings together the local community, businesses, local government and the railway to secure the long term future of the Marston Vale line. For more information about how you can get involved please contact the Community Rail Partnership Officer.

Stephen Sleight, Marston Vale
Community Rail Partnership Officer
web: marstonvalecommunityrail.org.uk
email: stephens@bedsrcc.org.uk
tel: 01234 832 645
facebook: facebook.com/marstonvalecrp
twitter: @marstonvalecrp

web: londontravelwatch.org.uk
email: info@londontravelwatch.org.uk
tel: 0203 176 2999
post: London TravelWatch
169 Union Street, London, SE1 0LL

EM operated by East Midlands Trains

- 1 this train is formed of 1 carriage – limited seating and bicycle space on this train
- 2 this train is formed of 2 carriages.

London Midland services on this route
have Standard class only

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Certain Off-Peak tickets are not valid on trains leaving London between 1649-1900 Mondays to Fridays. Please check before you travel.



Like most rail companies we operate a penalty fares system on our services, anyone without a valid ticket will be liable to pay the penalty fare. Find out more at londonmidland.com/penaltyfares

		EM		EM		EM		EM		EM		EM		EM		EM	
		EM		EM		EM		EM		EM		EM		EM		EM	
London Euston		0534		0624		0724		0913		1013		1113		1201		1201	
🚉 Watford Junction		0555		0641		0741		0942		1042		1142		1204		1204	
🚉 Leighton Buzzard		0628		0709		0809		0942		1042		1142		1204		1204	
🚉 Milton Keynes Central		0521	0619	0642	0722	0759	0822	0947	1005	1047	1105	1147	1201	1204	1204	1204	1204
🚉 Bletchley		0525	0623	0634	0715	0726	0804	0817	0949	0951	1049	1051	1105	1149	1151	1204	1204
Fenny Stratford		0534	0645	0734	0826	0913	1005	1047	1105	1147	1201	1204	1204	1204	1204	1204	1204
Bow Brickhill		0538	0649	0738	0830	0917	1009	1049	1105	1147	1201	1204	1204	1204	1204	1204	1204
Woburn Sands		0542	0653	0742	0834	0921	1013	1051	1105	1147	1201	1204	1204	1204	1204	1204	1204
Aspley Guise		0545	0656	0745	0837	0924	1016	1054	1108	1150	1202	1205	1208	1211	1214	1217	1219
Ridgmont		0549	0700	0749	0841	0928	1020	1108	1150	1202	1205	1208	1211	1214	1217	1219	1219
Lidlington		0553	0704	0753	0845	0932	1024	1112	1154	1206	1209	1212	1215	1218	1221	1224	1226
Millbrook		0556	0707	0756	0848	0935	1027	1115	1157	1209	1212	1215	1218	1221	1224	1226	1226
Stewartby		0559	0710	0759	0852	0939	1031	1119	1161	1213	1216	1219	1222	1225	1228	1231	1233
Kempston Hardwick		0603	0714	0803	0855	0942	1034	1122	1164	1216	1219	1222	1225	1228	1231	1233	1233
🚉 Bedford St Johns		0609	0720	0809	0902	0949	1041	1133	1175	1227	1230	1233	1236	1239	1242	1245	1247
🚉 Bedford		0615	0627	0726	0733	0815	0837	0906	0937	1049	1104	1149	1204	1245	1245	1245	1245
🚉 Wellingborough		0638		0746		0848		0948		1116		1216		1216		1216	
🚉 Kettering		0646		0755		0859		0957		1123		1223		1223		1223	
Market Harborough		0656		0806						1133		1233		1233		1233	
🚉 Leicester		0710		0822						1146		1246		1246		1246	

	EM		EM		EM		EM		EM		EM		EM		EM	
	1		2		1		2		1		2		1		2	
London Euston	1213		1313		1413		1454		1554		1650		1730		1730	
🚉 Watford Junction	▼		▼		▼		1511		1611		▼		1745		1745	
🚉 Leighton Buzzard	1242		1342		1442		1536		1636		1720		1745		1745	
🚉 Milton Keynes Central	▼		▼		▼		▼		▼		▼		▼		▼	
🚉 Bletchley	1249	1251	1301	1349	1351	1401	1449	1451	1501	1542	1544	1551	1642	1645	1651	1722
Fenny Stratford	1304		1404		1504		1554		1654		1739		1739		1739	
Bow Brickhill	1308		1408		1508		1558		1658		1743		1743		1743	
Woburn Sands	1312		1412		1512		1602		1702		1748		1748		1748	
Aspley Guise	1315		1415		1515		1605		1705		1750		1750		1750	
Ridgmont	1319		1419		1519		1609		1709		1754		1754		1754	
Lidlington	1323		1423		1523		1613		1713		1758		1758		1758	
Millbrook	1326		1426		1526		1616		1716		1801		1801		1801	
Stewartby	1329		1429		1529		1619		1719		1804		1804		1804	
Kempston Hardwick	1333		1433		1533		1623		1723		1808		1808		1808	
🚉 Bedford St Johns	1339		1439		1539		1629		1729		1814		1814		1814	
🚉 Bedford	1304	1345	1404	1445	1504	1545	1604	1635	1707	1735	1804	1820	1837	1837	1837	1837
🚉 Wellingborough	1316		1416		1516		1616		1719		1816		1848		1848	
🚉 Kettering	1323		1423		1523		1623		1726		1823		1900		1900	
Market Harborough	1333		1433		1533		1633		1736		1833		1900		1900	
🚉 Leicester	1346		1446		1546		1646		1750		1846		1900		1900	

	EM			EM			EM		
	1			2			1		
London Euston				1854			2013		
↔ Watford Junction				1913			▼		
↔ Leighton Buzzard				1939			2042		
↔ Milton Keynes Central	1822			▼	1947		▼	2047	
↔ Bletchley	1826	1831		1945	1951	2001	2049	2051	2101
Fenny Stratford				1834			2004		2104
Bow Brickhill				1838			2008		2108
Woburn Sands				1842			2012		2112
Aspley Guise				1845			2015		2115
Ridgmont				1849			2019		2119
Lidlington				1853			2023		2123
Millbrook				1856			2026		2126
Stewartby				1859			2029		2129
Kempston Hardwick				1903			2033		2133
↔ Bedford St Johns				1909			2039		2139
↔ Bedford				1915	1940		2045	2104	2145 2205
↔ Wellingborough					1953			2117	2217
↔ Kettering					2004			2123	2224
Market Harborough								2134	2234
↔ Leicester								2147	2247

	EM			EM			EM			EM			EM			EM		
	2	1		2	1		1	2		2	1		1	2		2	1	
London Euston				0624			0724			0913			1013			1113		
↔ Watford Junction				0641			0741			▼			▼			▼		
↔ Leighton Buzzard				0709			0809			0942			1042			1142		
↔ Milton Keynes Central	0531		0622	▼	0721		▼	0822		▼	0947		▼	1047		▼	1147	
↔ Bletchley	0535	0541	0626	0634	0716	0725	0731	0815	0826	0839	0949	0951	1005	1049	1051	1105	1149	1151
Fenny Stratford				0637			0734			0842			1008			1108		
Bow Brickhill				0641			0738			0846			1012			1112		
Woburn Sands				0645			0742			0850			1016			1116		
Aspley Guise				0648			0745			0853			1019			1119		
Ridgmont				0652			0749			0857			1023			1123		
Lidlington				0656			0753			0901			1027			1127		
Millbrook				0659			0756			0904			1030			1130		
Stewartby				0702			0759			0907			1033			1133		
Kempston Hardwick				0706			0803			0911			1037			1137		
↔ Bedford St Johns				0712			0809			0917			1043			1143		
↔ Bedford				0718	0736		0815	0837		0923	0937		1049	1104		1149	1204	
↔ Wellingborough					0748			0848			0948			1116			1216	
↔ Kettering					0757			0859			0959			1123			1223	
Market Harborough					0807									1133			1233	
↔ Leicester					0821									1146			1246	

	EM			EM			EM			EM			EM			EM		
	1			2	1		1	2		2	1		1	2		2	1	
London Euston				1313			1413			1454			1554			1624		
↔ Watford Junction				▼			▼			1511			1611			1641		
↔ Leighton Buzzard				1342			1442			1536			1636			1709		
↔ Milton Keynes Central	1247			▼	1347		▼	1447		▼	1541		▼	1641		▼	1722	
↔ Bletchley	1251	1301		1349	1351	1401	1449	1451	1501	1542	1544	1551	1642	1645	1651	1715	1726	1731
Fenny Stratford						1404			1504			1554			1654			1734
Bow Brickhill						1408			1508			1558			1658			1738
Woburn Sands						1412			1512			1602			1702			1742
Aspley Guise						1415			1515			1605			1705			1745
Ridgmont						1419			1519			1609			1709			1749
Lidlington						1423			1523			1613			1713			1753
Millbrook						1426			1526			1616			1716			1756
Stewartby						1429			1529			1619			1719			1759
Kempston Hardwick						1433			1533			1623			1723			1803
↔ Bedford St Johns						1439			1539			1629			1729			1809
↔ Bedford				1345	1404		1445	1504		1545	1604		1635	1704		1735	1804	
↔ Wellingborough					1416			1516			1616			1716			1816	
↔ Kettering					1423			1523			1623			1723			1823	
Market Harborough					1433			1533			1633			1733			1833	
↔ Leicester					1446			1546			1646			1746			1846	

	EM			EM			EM		
	2	1		2	1		1	2	
London Euston				1913			2002		
↔ Watford Junction				▼			2019		
↔ Leighton Buzzard				1942			2042		
↔ Milton Keynes Central				▼	1947		▼	2050	
↔ Bletchley	1949	1951		2001			2049	2054	2101
Fenny Stratford				2004					2104
Bow Brickhill				2008					2108
Woburn Sands				2012					2112
Aspley Guise				2015					2115
Ridgmont				2019					2119
Lidlington				2023					2123
Millbrook				2026					2126
Stewartby				2029					2129
Kempston Hardwick				2033					2133
↔ Bedford St Johns				2039					2139
↔ Bedford				1937			2045	2104	2145 2205
↔ Wellingborough				1948				2116	2217
↔ Kettering				1959				2123	2224
Market Harborough								2133	2234
↔ Leicester								2146	2247

no Sunday Service on this route



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train times

15 May to 10 December 2016

- Bedford
- Bedford St Johns
- Kempston Hardwick
- Stewartby
- Millbrook
- Lidlington
- Ridgmont
- Aspley Guise
- Woburn Sands
- Bow Brickhill
- Fenny Stratford
- Bletchley



Including connections to London and the Midlands

Bedford – Bletchley

	EM	2	EM	1	EM	2	EM	1	EM	2	EM	1	EM	2
Leicester	0445				0742		0832							
Market Harborough					0757		0846							
Kettering	0505		0645		0809		0856		1026		1126		1226	
Wellingborough	0517		0654				0903		1034		1134		1234	
Bedford	0537	0625	0707	0731	0827	0834	0917	0934	1047	1055	1147	1155	1247	1255
Bedford St Johns		0628		0734		0837		0937		1058		1158		1258
Kempston Hardwick		0635		0741		0844		0944		1105		1205		1305
Stewartby		0638		0745		0847		0947		1108		1208		1308
Millbrook		0642		0748		0851		0951		1112		1212		1312
Lidlington		0645		0752		0854		0954		1115		1215		1315
Ridgmont		0650		0756		0859		0959		1120		1220		1320
Aspley Guise		0653		0800		0902		1002		1123		1223		1323
Woburn Sands		0656		0803		0905		1005		1126		1226		1326
Bow Brickhill		0700		0808		0909		1009		1130		1230		1330
Fenny Stratford		0703		0811		0912		1012		1133		1233		1333
Bletchley	0708	0713	0716	0814	0819	0827	0917	0924	1017	1024	1138	1146	1238	1246
Milton Keynes Central			0721		0824		0929		1029		1148		1248	
Leighton Buzzard					0832		0933		1033		1153		1253	
Watford Junction							0958		1058					
London Euston					0910		1018		1117		1227		1327	

	EM	1	EM	2	EM	1	EM	2	EM	1	EM	2
Leicester							1532		1632		1732	
Market Harborough							1546		1646		1746	
Kettering	1326		1426		1526		1556		1656		1756	
Wellingborough	1334		1434		1534		1603		1703		1803	
Bedford	1347	1355	1447	1455	1547	1555	1617	1640	1717	1740	1817	1826
Bedford St Johns		1358		1458		1558		1643		1743		1829
Kempston Hardwick		1405		1505		1605		1650		1750		1836
Stewartby		1408		1508		1608		1654		1754		1839
Millbrook		1412		1512		1612		1657		1757		1843
Lidlington		1415		1515		1615		1701		1801		1846
Ridgmont		1420		1520		1620		1705		1805		1851
Aspley Guise		1423		1523		1623		1709		1809		1854
Woburn Sands		1426		1526		1626		1712		1812		1857
Bow Brickhill		1430		1530		1630		1716		1816		1901
Fenny Stratford		1433		1533		1633		1719		1819		1904
Bletchley	1343	1346	1438	1443	1538	1543	1638	1643	1722	1727	1822	1827
Milton Keynes Central	1348		1448		1548		1648		1732		1845	
Leighton Buzzard		1353		1453		1553		1653		1733		1833
Watford Junction								1759		1858		1958
London Euston		1427		1527		1627		1727		1818		1918

	EM	1	EM	2	EM	1
Leicester	1832					
Market Harborough	1846					
Kettering	1856		2026		2118	
Wellingborough	1903		2034		2127	
Bedford	1917	1923	2047	2055	2141	2200
Bedford St Johns		1926		2058		2203
Kempston Hardwick		1933		2105		2210
Stewartby		1936		2108		2214
Millbrook		1940		2112		2217
Lidlington		1943		2115		2221
Ridgmont		1948		2120		2225
Aspley Guise		1951		2123		2229
Woburn Sands		1954		2126		2232
Bow Brickhill		1958		2130		2237
Fenny Stratford		2001		2133		2240
Bletchley	2006	2019	2028	2138	2158	2243
Milton Keynes Central		2024		2148		2302
Leighton Buzzard			2035		2204	2324
Watford Junction			2059		2232	2358
London Euston			2118		2252	0021



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	EM			EM			EM			EM			EM			EM		
	2			1			2			1			2			1		
Leicester	0445			0632			0732			0832								
Market Harborough	▼			0646			0746			0846								
Kettering	0505			0656			0756			0856		1026			1126		1226	
Wellingborough	0517			0703			0803			0903		1034			1134		1234	
Bedford	0542	0631		0717	0731		0817	0831		0917	0934	1047	1055		1147	1155	1247	
Bedford St Johns		0634			0734			0834			0937		1058			1158		
Kempston Hardwick		0641			0741			0841			0944		1105			1205		
Stewartby		0644			0745			0844			0947		1108			1208		
Millbrook		0648			0748			0848			0951		1112			1212		
Lidlington		0651			0752			0851			0954		1115			1215		
Ridgmont		0656			0756			0856			0959		1120			1220		
Aspley Guise		0659			0800			0859			1002		1123			1223		
Woburn Sands		0702			0803			0902			1005		1126			1226		
Bow Brickhill		0706			0808			0906			1009		1130			1230		
Fenny Stratford		0709			0811			0909			1012		1133			1233		
Bletchley	0714	0719	0726	0814	0819	0827	0914	0924	0927	1017	1024	1027	1138	1143	1146	1238	1243	1246
Milton Keynes Central		0724	▼		0824	▼		0929	▼		1029	▼		1148	▼		1248	▼
Leighton Buzzard			0733			0833			0933			1033			1153			1253
Watford Junction			0758			0858			0958			1058			▼			▼
London Euston			0818			0917			1017			1117			1227			1327

	EM			EM			EM			EM			EM			EM			EM					
	1			2			1			2			1			2			1			2		
🚆 Leicester												1532			1632			1732						
Market Harborough												1546			1646			1746						
🚆 Kettering	1326				1426			1526				1556			1656			1756						
🚆 Wellingborough	1334				1434			1534				1603			1703			1803						
🚆 Bedford	1347	1355			1447	1455		1547	1555			1617	1640		1717	1740		1817	1823					
🚆 Bedford St Johns		1358			1458			1558				1643			1743			1826						
Kempston Hardwick		1405			1505			1605				1650			1750			1833						
Stewartby		1408			1508			1608				1654			1754			1836						
Millbrook		1412			1512			1612				1657			1757			1840						
Lidlington		1415			1515			1615				1701			1801			1843						
Ridgmont		1420			1520			1620				1705			1805			1848						
Aspley Guise		1423			1523			1623				1709			1809			1851						
Woburn Sands		1426			1526			1626				1712			1812			1854						
Bow Brickhill		1430			1530			1630				1716			1816			1858						
Fenny Stratford		1433			1533			1633				1719			1819			1901						
🚆 Bletchley	1343	1346		1438	1443	1446	1538	1543	1546	1638	1643	1646	1722	1727	1743	1822	1827	1843	1906	1919	1927			
🚆 Milton Keynes Central	1348	▼		1448	▼		1548	▼		1648	▼		1722	▼	1748	1822	▼	1848	1924	▼				
🚆 Leighton Buzzard		1353			1453			1553				1653			1733			1833				1933		
🚆 Watford Junction		▼			▼			▼				▼			1758			1858				1958		
London Euston		1427			1527			1627				1727			1817			1917				2017		

	EM		EM		EM			
	1		2		1			
Leicester	1832							
Market Harborough	1846							
Kettering	1856		2026		2126			
Wellingborough	1903		2034		2134			
Bedford	1917	1923	2047	2055	2147	2200		
Bedford St Johns		1926		2058		2203		
Kempston Hardwick		1933		2105		2210		
Stewartby		1936		2108		2214		
Millbrook		1940		2112		2217		
Lidlington		1943		2115		2221		
Ridgmont		1948		2120		2225		
Aspley Guise		1951		2123		2229		
Woburn Sands		1954		2126		2232		
Bow Brickhill		1958		2130		2237		
Fenny Stratford		2001		2133		2240		
Bletchley	2006	2023	2029	2138	2157	2226	2243	2254
Milton Keynes Central		▼	2034		2205	▼		2302
Leighton Buzzard		2030				2232		2311
Watford Junction		2051				2306		2345
London Euston		2112				2327		0006



no Sunday Service on this route

Notes & Symbols



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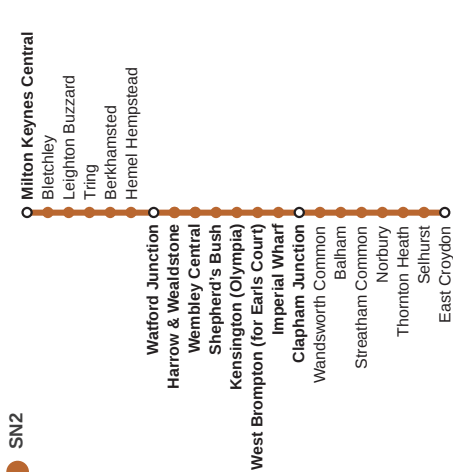
This timetable shows train services between East Croydon and Milton Keynes Central

C20

Summer train times

15 May to 10 December 2016

Croydon and Clapham Jn. to
Watford JN. and Milton Keynes



SOUTHERN

Mondays to Fridays

[illegible]

Saturdays

Operator	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	
Facilities	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	S _N	
Notes																					
Brighton	10 d			03 50c	05 23c	06 28c	07 28c	08 32q	09 32q	10 32q	11 32q	12 32q	13 32q	14 32q	15 32q	16 32q	17 32q	18 28c	19 28c	20 33q	21 28c
Gatwick Airport	+ c	04 05c		05 03c	05 53c	06 56c	08 07c	09 07c	10 07c	11 07c	12 07c	13 07c	14 07c	15 07c	16 07c	17 07c	18 07c	18 56c	19 56c	21 11c	21 56c
East Croydon	c	04 30c		05 29c	06 10	07 10	08 10	09 10	10 10	11 10	12 10	13 10	14 10	15 10	16 10	17 10	18 10	19 10	21 10	21 33c	22 15c
Selhurst	d				06 13	07 13	08 13	09 13	10 13	11 13	12 13	13 13	14 13	15 13	16 13	17 13	18 13	19 13	20 03c	21 21c	22 10c
Thornton Heath	d				06 16	07 16	08 16	09 16	10 16	11 16	12 16	13 16	14 16	15 16	16 16	17 16	18 16	19 16	20 05c	21 23c	22 12c
Norbury	d				06 19	07 19	08 19	09 19	10 19	11 19	12 19	13 19	14 19	15 19	16 19	17 19	18 19	19 19	20 08c	21 26c	22 15c
Streatham Common	d				06 21	07 21	08 21	09 21	10 21	11 21	12 21	13 21	14 21	15 21	16 21	17 21	18 21	19 21	20 10c	21 28c	22 18c
Balham	⊕ d		05 33		06 28	07 28	08 28	09 28	10 28	11 28	12 28	13 28	14 28	15 28	16 28	17 28	18 28	19 28	20 14c	21 39c	22 25c
Wandsworth Common	d				06 30	07 30	08 30	09 30	10 30	11 30	12 30	13 30	14 30	15 30	16 30	17 30	18 30	19 30	20 16c	21 41c	22 27c
Clapham Junction	10 ⊕	05 08	05 38	06 09	06 36	07 39	08 39	09 39	10 39	11 39	12 39	13 39	14 39	15 39	16 39	17 39	18 39	19 38	20 25	21 50	22 41
Imperial Wharf	d	05 12	05 42	06 13	06 41	07 44	08 44	09 44	10 44	11 44	12 44	13 44	14 44	15 44	16 44	17 44	18 46	19 42	20 29	21 55	22 45
West Brompton	⊕ d	05 15	05 45	06 16	06 44	07 47	08 47	09 47	10 47	11 47	12 47	13 47	14 47	15 47	16 47	17 47	18 49	19 45	20 32	21 58	22 48
Kensington (Olympia)	⊕ d	05 19	05 49	06 20	06 47	07 50	08 50	09 50	10 50	11 50	12 50	13 50	14 50	15 50	16 50	17 50	18 52	19 48	20 36	22 01	22 51
Shepherd's Bush	⊕ d	05 22	05 52	06 23	06 50	07 53	08 53	09 53	10 53	11 53	12 53	13 53	14 53	15 53	16 53	17 53	18 53	19 50	20 39	22 04	22 53
Wembley Central	⊕ a		06 07	06 38	07 09	08 09	09 09	10 09	11 09	12 09	13 09	14 09	15 09	16 09	17 09	18 09	19 09				
Harrow & Wealdstone	a	05 40	06 12	06 43	07 14	08 14	09 14	10 14	11 14	12 14	13 14	14 14	15 14	16 14	17 14	18 14	19 14	20 08	21 02	22 23	23 12
Watford Junction	a	05 47	06 19	06 50	07 21	08 21	09 21	10 21	11 21	12 21	13 21	14 21	15 21	16 21	17 21	18 21	19 21	20 15	21 09	22 30	23 19
Hemel Hempstead	a	06 03b	06 27		07 29	08 29	09 29	10 29	11 29	12 29	13 29	14 29	15 29	16 29	17 29	18 29	19 40b	20 56b	21 31b	22 57b	23 35b
Berkhamstead	a	06 08b	06 32		07 33	08 33	09 33	10 33	11 33	12 33	13 33	14 33	15 33	16 33	17 33	18 33	19 40b	20 56b	21 31b	22 57b	23 35b
Tring	a	06 13b	06 38		07 39	08 39	09 39	10 39	11 39	12 39	13 39	14 39	15 39	16 39	17 39	18 39	19 40b	20 56b	21 31b	22 57b	23 35b
Leighton Buzzard	a	06 25b	06 46		07 47	08 47	09 47	10 47	11 47	12 47	13 47	14 47	15 47	16 47	17 47	18 47	19 40b	20 56b	21 31b	22 57b	23 35b
Bletchley	a	06 30b	06 54		07 54	08 54	09 54	10 54	11 54	12 54	13 54	14 54	15 54	16 54	17 54	18 54	19 40b	20 56b	21 31b	22 57b	23 35b
Milton Keynes Central	a	06 37b	07 00		08 00	09 00	10 00	11 00	12 00	13 00	14 00	15 00	16 00	17 00	18 00	19 00	20 07b	21 33b	22 50b	23 31b	00 02b
Northampton	a	06 53b	07 41f		08 26f	09 44f	10 45f	11 45f	12 40f	13 40f	14 40f	15 40f	16 41f	17 41f	18 41f	19 44f	20 06b	21 50b	22 32b	23 48b	00 28b
Birmingham New Street	12 a		07 45b		08 45b	09 45b	10 45b	11 45b	12 45b	13 45b	14 45b	15 45b	16 45b	17 45b	18 45b	19 45b	20 45b	22 04b	22 45b		

Sundays

Operator	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Notes																			
Brighton	10	d	06 13c		07 47c	09 10c	10 10c	11 10c	12 10c	13 10c	14 10c	15 10c	16 10c	17 10c	18 10c	19 10c	20 10c	21 04c	
Gatewick Airport	1	d	06 48c	06 52c	08 30c	09 41c	10 41c	11 23c	12 23c	13 23c	14 23c	15 23c	16 23c	17 23c	18 23c	19 23c	20 41c	21 41c	
East Croydon	7	d	07 06c	07 25c	08 59c	09 50c	10 50c	11 46c	12 46c	13 46c	14 46c	15 46c	16 46c	17 46c	18 46c	19 46c	21 01c	22 01c	
Selhurst	6	d	06 44c	07 41c	08 46c	09 54c	10 54c	11 41c	12 41c	13 41c	14 41c	15 41c	16 41c	17 41c	18 41c	19 41c	20 54c	21 54c	
Thornton Heath	6	d	06 46c	07 43c	08 48c	09 43c	10 43c	11 43c	12 43c	13 43c	14 43c	15 43c	16 43c	17 43c	18 43c	19 43c	20 43c	21 43c	
Norbury	6	d	06 49c	07 46c	08 51c	09 46c	10 46c	11 46c	12 46c	13 46c	14 46c	15 46c	16 46c	17 46c	18 46c	19 46c	20 46c	21 46c	
Streatham Common	6	d	06 51c	07 49c	08 53c	09 49c	10 49c	11 49c	12 49c	13 49c	14 49c	15 49c	16 49c	17 49c	18 49c	19 49c	20 49c	21 49c	
Balham	6	d	06 56c	07 53c	09 01c	10 01c	11 01c	11 53c	12 53c	13 53c	14 53c	15 53c	16 53c	17 53c	18 53c	19 53c	21 01c	22 01c	
Wandsworth Common	6	d	06 58c	07 49c	09 03c	10 03c	11 03c	11 45c	12 45c	13 45c	14 45c	15 45c	16 45c	17 45c	18 45c	19 45c	21 03c	22 03c	
Clapham Junction	10	d	07 24c	08 15c	09 15c	10 15c	11 15c	12 05c	13 05c	14 05c	15 05c	16 05c	17 05c	18 05c	19 05c	20 05c	21 15c	22 15c	
Imperial Warf	6	d	07 28c	08 19c	09 19c	10 19c	11 19c	12 09c	13 09c	14 09c	15 09c	16 09c	17 09c	18 09c	19 09c	20 09c	21 19c	22 19c	
West Brompton	6	d	07 31c	08 22c	09 22c	10 22c	11 22c	12 12c	13 12c	14 12c	15 12c	16 12c	17 12c	18 12c	19 12c	20 12c	21 22c	22 22c	
Kensington (Olympia)	6	d	07 34c	08 26c	09 26c	10 26c	11 26c	12 16c	13 16c	14 16c	15 16c	16 16c	17 16c	18 16c	19 16c	20 16c	21 25c	22 25c	
Shepherd's Bush	6	d	07 36a	08 29c	09 29c	10 29c	11 29c	12 19c	13 19c	14 19c	15 19c	16 19c	17 19c	18 19c	19 19c	20 19c	21 28c	22 28c	
Wembley Central	6	a																	
Harrow & Wealdstone	6	a		08 47c	09 45c	10 47c	11 47c	12 35c	13 35c	14 35c	15 35c	16 35c	17 35c	18 35c	19 35c	20 35c	21 46c	22 46c	
Watford Junction	6	a		08 55c	09 57c	10 55c	11 54c	12 42c	13 42c	14 42c	15 42c	16 42c	17 42c	18 42c	19 42c	20 42c	21 53c	22 53c	
Berkhamstead	6	a		09 25b	10 17b	11 21b	12 21b	12 57b	13 57b	14 57b	15 57b	16 57b	17 57b	18 57b	19 57b	20 57b	22 26b	23 27b	
Hemel Hempstead	6	a		09 25b	10 17b	11 21b	12 21b	12 57b	13 57b	14 57b	15 57b	16 57b	17 57b	18 57b	19 57b	20 57b	22 26b	23 27b	
Berkhamstead	6	a		09 25b	10 17b	11 21b	12 21b	12 57b	13 57b	14 57b	15 57b	16 57b	17 57b	18 57b	19 57b	20 57b	22 26b	23 27b	
Tring	6	a		09 29b	10 36b	11 31b	12 31b	13 29b	14 29b	15 29b	16 29b	17 29b	18 29b	19 29b	20 29b	21 39b	22 35b	23 37b	
Leighton Buzzard	6	a		09 41b	10 35b	11 43b	12 43b	13 15b	14 15b	15 15b	16 15b	17 15b	18 15b	19 15b	20 15b	21 25b	22 47b	23 49b	
Bletchley	6	a		09 47b	10 41b	11 49b	12 49b	13 21b	14 21b	15 21b	16 21b	17 21b	18 21b	19 21b	20 21b	21 21b	22 53b	23 56b	
Milton Keynes Central	6	a		09 37b	10 37b	11 37b	12 28b	13 27b	14 27b	15 27b	16 27b	17 27b	18 27b	19 27b	20 27b	21 28b	22 43b	00 05b	
Northampton	6	a		10 14b	11 06b	12 15b	13 15b	14 44b	14 44b	15 44b	16 44b	17 44b	18 44b	19 44b	20 44b	21 46b	23 19b	00 23b	
Birmingham New Street	12	a		10 47b	11 47b	12 47b	13 25b	14 45b	15 45b	16 45b	17 45b	18 45b	19 45b	20 45b	21 45b	22 59b	23 56b	01 21b	

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Appendix D Traffic Speeds Through BCC Villages

Whaddon Road ATC1

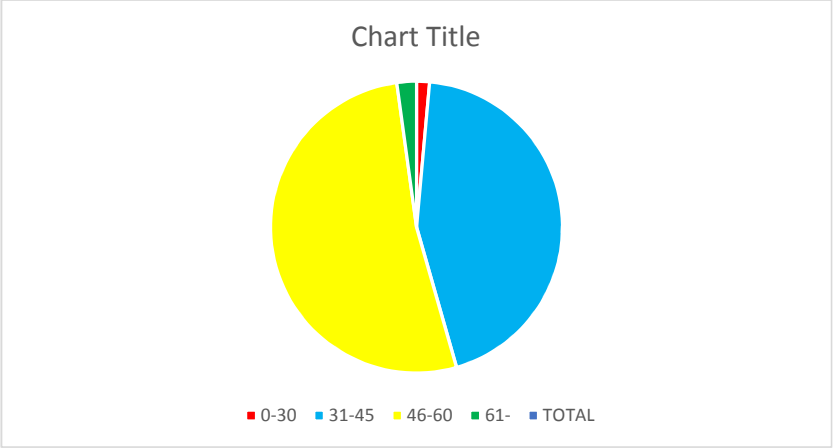
Speeds by Speed Band

Westbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	0	1	2	2	1	1	0	0	0	8
2	0	0	0	0	0	1	1	1	0	0	0	0	4
3	0	0	0	0	0	0	1	0	0	0	0	0	3
4	0	0	0	0	0	0	1	1	0	0	0	0	3
5	0	0	0	0	1	1	2	2	1	1	0	0	7
6	0	0	0	0	1	3	8	6	5	2	0	0	27
7	0	0	0	1	3	15	21	16	9	5	1	0	70
8	0	0	1	10	23	52	76	36	11	5	0	0	215
9	0	0	4	9	27	74	96	38	10	2	0	0	260
10	0	1	3	6	25	58	56	22	7	2	0	0	180
11	0	0	2	5	28	38	39	18	4	2	0	0	135
12	0	1	1	6	27	44	39	17	4	2	0	0	142
13	0	1	1	4	19	49	40	22	5	2	0	0	142
14	0	1	1	3	19	46	47	22	8	2	0	0	149
15	0	1	2	3	19	49	41	20	6	2	0	0	145
16	0	1	1	5	23	53	61	29	6	3	0	0	181
17	0	1	1	7	25	58	54	25	8	1	0	0	180
18	0	4	3	5	25	66	77	37	7	3	0	0	229
19	0	0	3	3	18	54	66	32	11	4	0	0	192
20	0	1	1	1	11	31	39	25	9	3	0	0	120
21	0	0	1	4	5	15	25	11	4	2	1	0	69
22	0	0	0	1	6	13	12	13	4	3	0	0	52
23	0	0	0	2	7	15	10	5	2	1	0	0	42
24	0	0	0	1	3	5	6	4	1	1	0	0	22

7-19	0	10	23	67	278	642	692	319	87	30	3	0	2150
6-22	0	11	25	74	303	715	789	384	113	44	5	1	2461
6-24	0	11	25	77	314	735	805	392	116	45	5	1	2525
0-24	0	11	26	78	318	742	820	402	123	49	5	1	2576

Speed (MPH)	Average Weekday Westbound	
0-30	37	1%
31-45	1137	44%
46-60	1346	52%
61-	55	2%
TOTAL	2576	



85th Percentile Speeds mph

Westbound

Hr Ending	Average Weekday
1	55.0
2	57.1
3	53.2
4	57.5
5	61.0
6	60.8
7	59.9
8	53.7
9	53.4
10	52.5
11	52.5
12	51.3
13	53.6
14	53.5
15	53.5
16	53.0
17	53.0
18	52.9
19	53.1
20	54.3
21	54.1
22	56.4
23	52.5
24	55.7

10-12	51.9
14-16	53.3
0-24	54.7

Whaddon Road ATC1

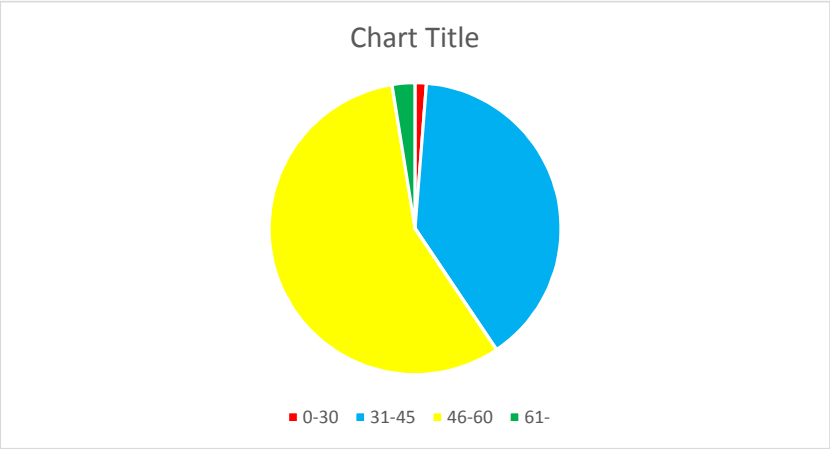
Speeds by Speed Band

Eastbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	0	2	3	2	2	1	1	0	0	11
2	0	0	0	0	1	1	2	1	0	0	0	0	5
3	0	0	0	0	1	1	1	1	1	0	0	0	4
4	0	0	0	0	1	1	3	1	0	0	0	0	6
5	0	0	0	0	1	0	1	1	0	0	0	0	4
6	0	0	0	0	1	2	6	7	4	2	0	0	22
7	0	0	0	0	4	13	15	14	8	4	1	0	59
8	0	1	1	2	9	36	50	33	10	2	0	0	145
9	0	1	2	9	16	57	70	36	8	2	0	0	202
10	0	1	2	4	17	35	34	19	7	3	0	0	122
11	0	1	2	4	17	33	29	17	6	1	0	0	109
12	0	0	1	5	19	36	35	20	5	1	0	0	123
13	0	0	2	5	15	39	40	20	8	3	0	0	131
14	0	1	1	5	17	37	40	22	7	2	0	0	131
15	0	0	2	4	18	42	50	25	8	3	0	0	152
16	0	0	1	5	19	45	51	30	10	3	0	0	165
17	0	3	2	5	23	61	66	43	14	4	0	0	219
18	0	1	1	3	22	69	89	48	16	4	1	0	253
19	0	2	1	3	11	37	62	41	13	5	1	0	177
20	0	0	0	3	8	26	36	26	9	5	1	0	114
21	0	0	0	2	7	18	24	14	7	3	0	0	75
22	0	0	0	1	5	12	14	9	4	3	1	0	48
23	0	0	0	1	6	11	12	7	2	1	0	0	41
24	0	0	0	0	3	5	6	6	2	2	0	0	25

7-19	1	10	16	54	202	527	616	354	112	33	3	0	1928
6-22	1	11	17	60	224	596	705	417	140	48	5	1	2223
6-24	1	11	17	61	233	611	724	430	144	51	5	1	2289
0-24	1	11	18	62	239	619	738	444	150	54	6	1	2341

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	29	1%
31-45	920	36%
46-60	1331	52%
61-	60	2%
TOTAL	2341	



85th Percentile Speeds mph

Eastbound

Hr Ending	Average Weekday
1	62.0
2	51.9
3	51.5
4	51.4
5	56.5
6	58.5
7	58.4
8	53.6
9	53.6
10	54.0
11	52.5
12	53.5
13	53.5
14	53.5
15	53.6
16	54.5
17	53.4
18	54.1
19	54.5
20	56.2
21	55.4
22	57.4
23	54.1
24	58.8

10-12	53.0
14-16	54.1
0-24	54.8

Whaddon Road ATC2

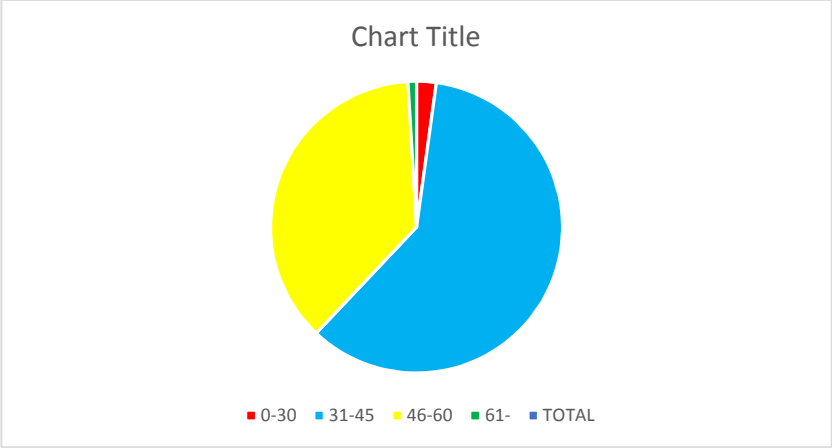
Speeds by Speed Band

Westbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	1	2	2	2	1	0	0	0	0	8
2	0	0	0	0	1	1	1	0	0	0	0	0	4
3	0	0	0	0	0	0	1	0	0	0	0	0	3
4	0	0	0	0	1	0	1	0	0	0	0	0	3
5	0	0	0	0	1	1	2	1	0	1	0	0	7
6	0	0	0	1	2	5	9	7	4	1	0	0	29
7	0	0	0	1	6	17	20	14	6	2	0	0	67
8	0	0	3	16	34	69	62	22	6	2	0	0	215
9	0	0	5	14	45	99	68	19	5	1	0	0	257
10	0	0	4	11	38	65	42	14	2	1	0	0	178
11	0	0	2	8	33	50	30	8	1	1	0	0	134
12	0	1	4	13	35	46	30	9	2	1	0	0	140
13	0	0	2	8	37	46	33	10	3	1	0	0	140
14	0	1	3	7	33	48	37	11	3	1	0	0	145
15	0	1	2	7	38	51	31	11	2	1	0	0	145
16	0	1	2	11	35	60	50	15	4	1	0	0	178
17	0	1	5	15	39	65	40	12	3	1	0	0	181
18	1	3	5	16	42	80	55	19	4	1	0	0	224
19	0	0	4	7	31	68	50	21	6	1	0	0	189
20	0	0	0	3	19	36	37	16	5	2	0	0	118
21	0	0	1	3	9	23	21	7	2	1	0	0	67
22	0	0	0	2	8	16	13	9	3	0	0	0	52
23	0	0	1	3	11	15	8	3	1	0	0	0	42
24	0	0	1	2	5	6	4	2	1	0	0	0	21

7-19	1	9	41	134	440	748	528	171	41	12	1	0	2127
6-22	1	10	43	143	483	841	619	216	57	18	2	0	2432
6-24	1	10	44	148	498	861	631	221	59	19	2	0	2494
0-24	1	10	44	150	505	870	647	231	64	21	2	0	2547

Speed (MPH)	Average Weekday Westbound	
0-30	55	2%
31-45	1525	60%
46-60	943	37%
61-	24	1%
TOTAL	2547	



85th Percentile Speeds mph

Westbound

Hr Ending	Average Weekday
1	53.5
2	53.7
3	49.5
4	53.4
5	60.0
6	58.1
7	54.9
8	51.2
9	48.9
10	48.5
11	48.5
12	48.8
13	48.6
14	50.5
15	49.5
16	50.0
17	48.0
18	47.9
19	52.1
20	52.8
21	51.1
22	53.1
23	49.0
24	52.0

10-12	48.6
14-16	49.8
0-24	51.4

Whaddon Road ATC2

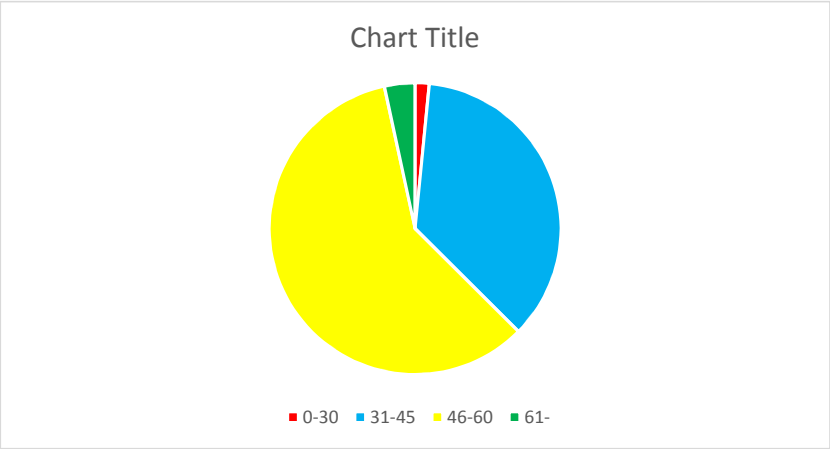
Speeds by Speed Band

Eastbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	0	1	3	3	2	1	1	0	0	11
2	0	0	0	0	1	1	1	0	0	0	0	0	5
3	0	0	0	0	1	1	1	1	0	0	0	0	4
4	0	0	0	0	1	1	2	1	1	0	0	0	5
5	0	0	0	0	0	1	1	1	1	0	0	0	4
6	0	0	0	0	1	2	5	7	3	3	0	0	21
7	0	0	0	1	4	10	15	15	9	4	1	0	57
8	1	0	0	1	8	31	50	33	15	4	1	0	143
9	0	1	2	6	17	50	69	39	11	3	0	0	199
10	0	0	1	5	13	33	38	22	8	4	0	0	123
11	0	0	1	5	15	31	32	19	7	2	0	0	112
12	0	0	2	6	16	32	33	22	9	2	0	0	121
13	0	1	2	4	14	33	41	25	9	4	0	0	132
14	0	0	1	3	14	32	42	26	8	3	0	0	130
15	0	1	1	5	15	41	49	27	9	3	0	0	151
16	0	0	1	3	18	43	50	30	13	4	0	0	163
17	0	4	9	8	19	53	68	41	14	6	1	0	223
18	1	1	2	5	23	64	83	58	16	6	1	0	257
19	0	2	1	3	13	37	57	43	16	7	0	0	179
20	0	1	0	1	10	20	36	27	13	7	1	0	116
21	0	1	1	1	8	15	22	16	8	3	1	0	74
22	0	0	0	1	5	9	16	8	5	3	0	0	47
23	0	0	0	1	6	10	11	8	4	2	0	0	41
24	0	0	0	0	3	6	7	3	3	1	0	0	23

7-19	2	9	22	52	184	480	610	384	137	50	4	0	1933
6-22	2	10	23	56	211	533	698	450	172	67	6	0	2228
6-24	2	10	23	57	219	550	716	461	178	69	6	0	2292
0-24	2	11	24	58	225	558	729	473	184	73	6	0	2343

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	37	1%
31-45	841	33%
46-60	1386	54%
61-	80	3%
TOTAL	2343	



85th Percentile Speeds mph

Eastbound

Hr Ending	Average Weekday
1	59.0
2	54.1
3	51.2
4	51.4
5	57.7
6	63.0
7	59.1
8	56.6
9	53.6
10	54.5
11	54.0
12	54.0
13	54.0
14	53.5
15	54.6
16	55.0
17	54.4
18	53.6
19	57.5
20	58.7
21	56.4
22	57.9
23	56.6
24	59.0

10-12	54.0
14-16	54.8
0-24	55.8

Whaddon Road ATC3

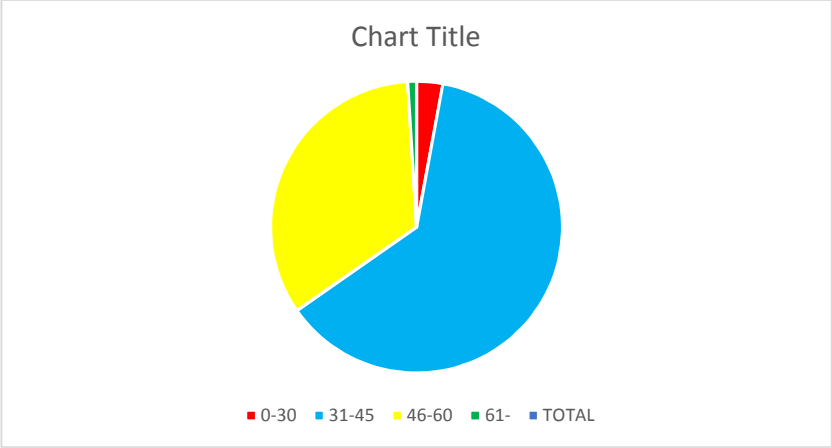
Speeds by Speed Band

Westbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	1	2	2	1	0	1	0	0	0	8
2	0	0	0	0	1	1	1	0	0	0	0	0	4
3	0	0	0	0	1	0	0	0	0	0	0	0	3
4	0	0	0	0	0	1	1	1	0	0	0	0	3
5	0	0	0	0	1	2	2	2	1	0	0	0	8
6	0	0	0	1	4	6	6	7	3	1	0	0	28
7	0	0	0	3	10	16	19	13	6	2	0	0	69
8	0	0	4	14	47	67	55	20	5	2	0	0	215
9	0	1	6	14	54	94	62	19	5	1	0	0	258
10	0	1	4	13	43	61	38	12	3	1	0	0	176
11	0	1	3	13	41	44	21	9	2	1	0	0	135
12	0	0	7	15	40	43	20	8	2	0	0	0	137
13	0	1	4	12	39	44	28	10	2	1	0	0	142
14	0	1	3	10	39	49	29	12	2	1	0	0	145
15	0	1	4	9	42	45	27	10	3	1	0	0	142
16	0	1	3	11	44	58	40	15	4	1	0	0	177
17	0	2	7	14	40	58	40	16	3	1	0	0	180
18	1	3	5	18	43	76	51	20	5	1	0	0	223
19	0	1	2	8	40	64	46	20	6	2	0	0	189
20	0	0	1	6	21	38	31	14	7	1	0	0	119
21	0	0	1	2	10	23	17	7	2	1	0	0	65
22	0	0	0	4	9	14	15	6	2	2	0	0	52
23	0	0	1	5	12	12	7	3	1	1	0	0	42
24	0	0	1	3	4	5	3	2	1	0	0	0	21

7-19	3	13	52	149	512	704	459	172	42	13	1	0	2120
6-22	3	13	54	163	562	795	541	212	60	20	2	0	2425
6-24	3	13	57	171	578	812	551	217	62	21	2	0	2487
0-24	3	13	58	173	588	824	563	227	67	23	2	0	2540

Speed (MPH)	Average Weekday Westbound	
0-30	74	3%
31-45	1585	62%
46-60	857	34%
61-	25	1%
TOTAL	2540	



85th Percentile Speeds mph

Westbound

Hr Ending	Average Weekday
1	52.0
2	51.5
3	49.2
4	54.0
5	55.7
6	57.1
7	54.9
8	51.2
9	48.9
10	48.5
11	49.0
12	47.8
13	48.6
14	49.5
15	49.0
16	49.5
17	49.0
18	49.9
19	52.6
20	52.8
21	51.1
22	52.6
23	48.5
24	53.5

10-12	48.4
14-16	49.3
0-24	51.1

Whaddon Road ATC3

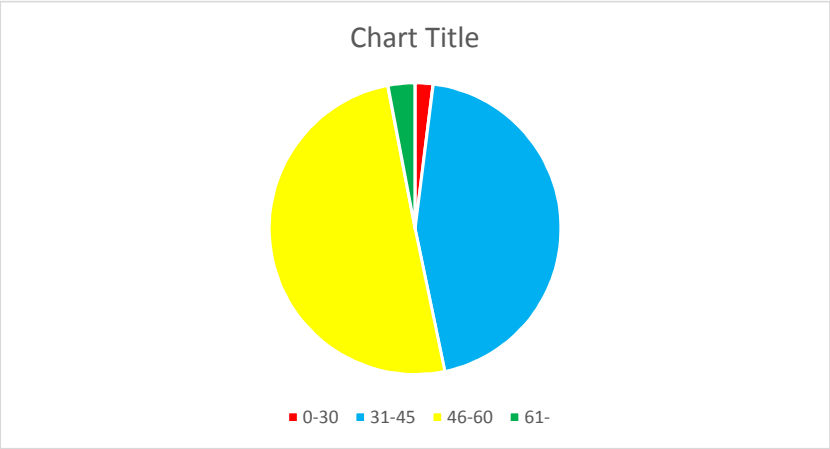
Speeds by Speed Band

Eastbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	0	2	2	3	2	1	1	0	0	10
2	0	0	0	1	1	1	2	1	1	0	0	0	5
3	0	0	0	0	1	1	1	1	0	0	0	0	4
4	0	0	0	0	0	1	2	2	0	0	0	0	5
5	0	0	0	0	0	1	0	1	1	1	0	0	5
6	0	0	0	0	1	1	4	4	5	4	0	0	21
7	0	0	1	0	5	9	16	13	8	4	1	0	56
8	0	0	2	4	12	30	44	29	15	5	0	0	141
9	0	0	4	9	29	55	63	31	10	2	0	0	203
10	0	1	2	6	20	35	27	18	7	3	0	0	118
11	0	1	3	11	23	30	24	13	4	2	0	0	110
12	0	0	3	10	27	30	30	15	6	1	0	0	123
13	0	0	3	8	25	35	33	18	6	3	0	0	131
14	0	0	1	7	23	32	35	20	8	3	0	0	129
15	0	1	3	9	26	40	39	23	6	3	0	0	150
16	0	0	2	8	26	39	48	27	9	4	0	0	163
17	0	2	6	11	35	61	58	35	10	4	1	0	224
18	0	0	5	13	41	62	72	47	15	3	1	0	259
19	0	1	2	6	23	40	51	35	13	6	0	0	176
20	0	0	1	3	15	24	30	22	10	5	1	0	112
21	0	0	0	3	10	16	20	14	7	4	0	0	75
22	0	0	0	1	7	10	14	8	4	3	0	0	47
23	0	0	0	2	6	9	12	6	3	1	0	0	39
24	0	0	0	1	4	6	6	4	1	2	0	0	24

7-19	0	6	35	102	309	487	524	310	109	37	3	0	1925
6-22	0	6	38	110	347	547	604	367	137	54	5	1	2215
6-24	0	6	39	112	356	561	621	376	142	58	6	1	2278
0-24	0	6	39	113	361	568	633	387	150	63	6	1	2328

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	46	2%
31-45	1042	41%
46-60	1170	46%
61-	70	3%
TOTAL	2328	



85th Percentile Speeds mph

Eastbound

Hr Ending	Average Weekday
1	62.2
2	53.7
3	52.3
4	55.1
5	63.7
6	65.2
7	59.1
8	57.6
9	53.6
10	53.5
11	51.0
12	53.0
13	53.5
14	54.0
15	53.6
16	54.0
17	52.4
18	52.6
19	55.5
20	57.7
21	56.9
22	58.4
23	56.1
24	60.0

10-12	52.0
14-16	53.8
0-24	56.0

Whaddon Road ATC3

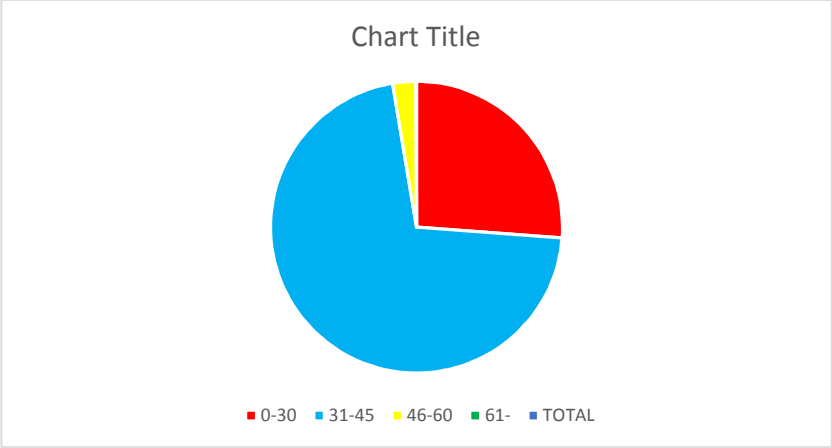
Speeds by Speed Band

Westbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	1	2	2	1	0	0	0	0	0	0	7
2	0	0	1	1	1	0	1	0	0	0	0	0	4
3	0	0	0	0	1	0	0	0	0	0	0	0	3
4	0	0	0	1	1	1	0	0	0	0	0	0	3
5	0	0	1	2	3	1	1	0	0	0	0	0	7
6	0	0	3	7	9	8	3	0	0	0	0	0	30
7	0	2	9	20	23	11	5	2	0	0	0	0	73
8	0	5	52	89	49	20	4	0	0	0	0	0	220
9	1	3	65	107	57	18	3	0	0	0	0	0	255
10	0	7	56	62	37	13	2	0	0	0	0	0	179
11	0	5	44	49	27	11	2	1	0	0	0	0	138
12	0	7	48	49	24	8	1	0	0	0	0	0	137
13	0	3	34	54	33	11	2	0	0	0	0	0	138
14	0	4	35	54	36	17	2	0	0	0	0	0	149
15	0	5	34	54	37	13	3	0	0	0	0	0	147
16	0	7	36	62	55	19	4	1	0	0	0	0	184
17	0	5	33	67	58	19	3	1	0	0	0	0	186
18	1	8	47	86	57	24	4	1	0	0	0	0	229
19	0	7	32	66	57	21	4	1	0	0	0	0	188
20	0	7	23	38	35	14	4	0	0	0	0	0	122
21	0	4	13	20	21	8	2	0	0	0	0	0	69
22	0	2	10	17	13	7	2	0	0	0	0	0	52
23	0	0	8	14	10	4	1	0	1	0	0	0	38
24	0	0	3	6	6	2	0	0	0	0	0	0	17

7-19	3	67	516	799	529	194	34	6	1	1	0	0	2150
6-22	3	82	572	895	620	235	47	9	2	1	0	0	2466
6-24	3	82	582	914	637	242	48	9	2	1	0	0	2521
0-24	3	83	588	926	654	253	53	10	3	1	0	0	2575

Speed (MPH)	Average Weekday Westbound	
0-30	674	26%
31-45	1833	71%
46-60	66	3%
61-	1	0%
TOTAL	2575	



85th Percentile Speeds mph

Westbound

Hr Ending	Average Weekday
1	45.5
2	45.1
3	45.4
4	45.3
5	42.0
6	44.6
7	43.9
8	39.2
9	38.4
10	39.0
11	39.0
12	37.8
13	39.1
14	40.5
15	39.0
16	41.0
17	41.0
18	39.4
19	41.6
20	40.8
21	41.1
22	42.6
23	39.5
24	42.0

10-12	38.4
14-16	40.0
0-24	41.4

Whaddon Road ATC3

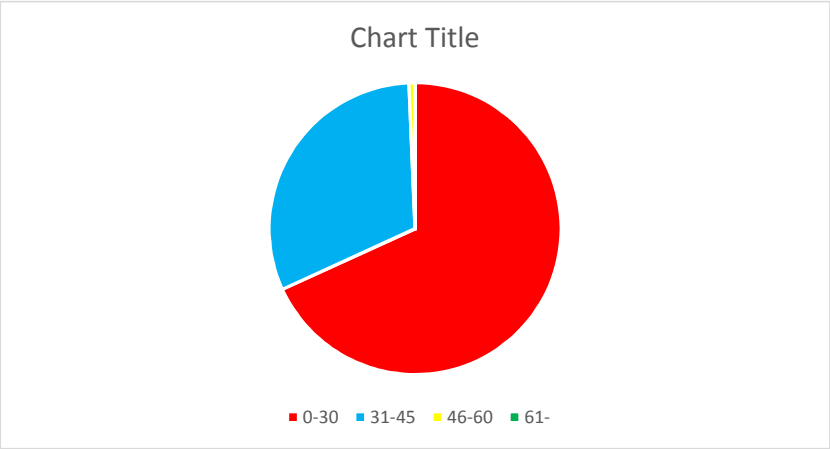
Speeds by Speed Band

Eastbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	5	3	2	1	0	0	0	0	0	0	11
2	0	0	3	1	1	0	0	0	0	0	0	0	5
3	0	0	2	1	1	0	0	0	0	0	0	0	4
4	0	0	1	1	1	2	0	0	0	0	0	0	5
5	0	0	1	1	1	1	0	0	0	0	0	0	4
6	0	0	4	7	5	3	1	1	0	0	0	0	20
7	0	1	30	12	7	5	1	0	0	0	0	0	57
8	0	4	95	30	9	4	1	0	0	0	0	0	143
9	1	4	143	37	13	3	1	0	0	0	0	0	202
10	0	5	77	22	8	3	1	0	0	0	0	0	117
11	1	6	74	21	7	1	1	0	0	0	0	0	110
12	1	10	88	20	6	2	1	0	0	0	0	0	128
13	1	5	87	26	10	3	1	0	0	0	0	0	133
14	1	6	85	29	9	2	1	0	0	0	0	0	133
15	1	7	101	30	12	3	0	0	0	0	0	0	153
16	0	5	104	36	13	4	1	0	0	0	0	0	162
17	1	7	149	45	15	4	0	0	0	0	0	0	221
18	1	8	171	56	20	2	0	0	0	0	0	0	259
19	1	8	114	41	15	4	1	0	0	0	0	0	183
20	1	9	64	28	12	4	1	0	0	0	0	0	118
21	1	3	40	18	7	3	1	0	0	0	0	0	72
22	0	4	28	11	5	2	0	0	0	0	0	0	49
23	0	4	23	10	5	2	0	0	0	0	0	0	43
24	0	2	12	5	4	1	0	0	0	0	0	0	26

7-19	9	73	1288	394	135	35	7	2	0	0	0	0	1943
6-22	11	90	1448	463	166	48	10	2	0	0	0	0	2238
6-24	11	96	1483	477	175	52	11	3	0	0	0	0	2307
0-24	11	97	1499	490	186	58	12	4	0	0	0	0	2358

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	1607	62%
31-45	734	29%
46-60	16	1%
61-	0	0%
TOTAL	2358	



85th Percentile Speeds mph

Eastbound

Hr Ending	Average Weekday
1	40.0
2	35.9
3	36.5
4	43.4
5	42.0
6	44.0
7	39.4
8	33.6
9	33.6
10	34.0
11	33.5
12	34.0
13	33.5
14	33.5
15	33.6
16	34.0
17	33.4
18	33.6
19	34.5
20	36.2
21	35.4
22	35.9
23	36.1
24	40.0

10-12	33.8
14-16	33.8
0-24	36.2

Winslow Road

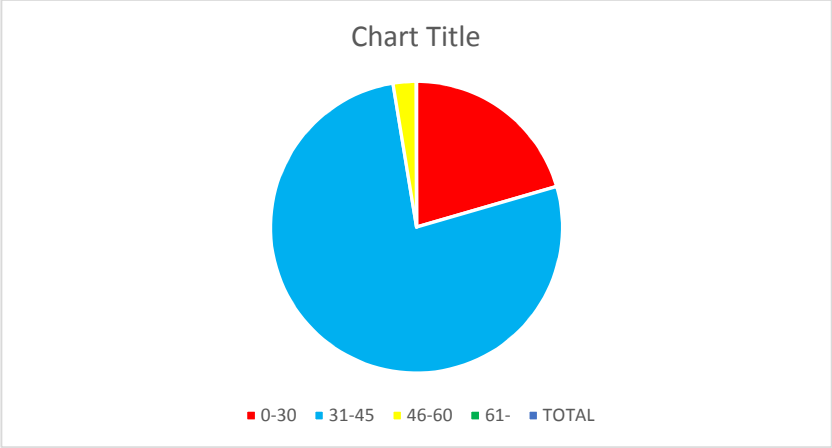
Speeds by Speed Band

Northbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	1	1	0	0	0	0	0			1
2	0	0	0	0	1	0	0	0	0	0			2
3	0	0	0	0	0	0	0	0	0	0			1
4	0	0	0	0	0	0	0	0	0	0			0
5	0	0	0	0	0	0	0	0	0	0			1
6	0	0	0	0	1	1	1	1	0	0			5
7	0	0	3	3	2	4	2	1	0	0			15
8	0	0	14	22	21	6	0	0	0	0			64
9	0	0	25	44	31	10	1	0	0	0			111
10	0	2	14	26	17	6	0	0	0	0			66
11	0	1	7	23	13	5	1	0	0	0			51
12	0	0	12	18	14	3	0	0	0	0			49
13	0	1	14	22	16	5	0	0	0	0			58
14	0	2	12	18	14	6	2	0	0	0			54
15	0	1	11	20	16	4	0	0	0	0			53
16	0	0	13	26	24	8	2	0	0	0			73
17	0	0	17	31	25	11	2	1	0	0			87
18	0	1	18	34	29	10	2	1	0	0			95
19	0	0	13	32	20	8	1	1	0	0			76
20	0	1	5	14	16	6	1	0	0	0			43
21	0	0	4	8	8	3	1	0	0	0			23
22	0	0	2	7	5	2	2	0	0	0			18
23	0	0	2	4	4	1	1	0	0	0			12
24	0	0	0	1	3	1	0	0	0	0			6

7-19	0	9	170	316	241	84	12	3	0	0	0	0	835
6-22	0	11	184	347	272	99	17	4	1	0	0	0	934
6-24	0	11	186	353	278	101	18	4	1	0	0	0	952
0-24	0	11	187	355	282	103	19	5	1	0	0	0	962

Speed (MPH)	Average Weekday Northbound	
0-30	197	20%
31-45	740	77%
46-60	25	3%
61-	0	0%
TOTAL	962	



85th Percentile Speeds mph

Northbound

Hr Ending	Average Weekday
1	-
2	38.0
3	-
4	-
5	-
6	41.6
7	40.2
8	34.4
9	34.1
10	33.3
11	33.8
12	33.3
13	33.0
14	33.7
15	33.2
16	34.7
17	34.8
18	34.3
19	34.6
20	35.1
21	35.0
22	36.2
23	35.4
24	38.7

10-12	33.6
14-16	34.0
0-24	35.4

Winslow Road

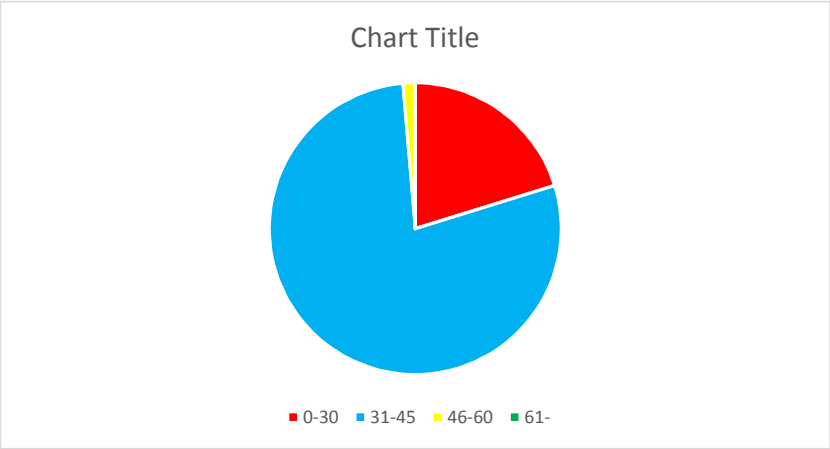
Speeds by Speed Band

Southbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	1	1	0	0	0	0	0			1
2	0	0	0	0	1	0	0	0	0	0			1
3	0	0	0	0	1	0	0	0	0	0			2
4	0	0	1	1	0	0	0	0	0	0			1
5	0	0	0	0	1	1	0	0	0	0			2
6	0	0	0	4	3	1	0	0	0	0			9
7	0	0	3	9	11	3	1	0	0	0			28
8	0	0	9	28	25	5	1	0	0	0			68
9	0	0	16	35	25	8	0	0	0	0			84
10	0	1	12	30	19	5	1	0	0	0			69
11	0	1	16	19	14	4	0	0	0	0			53
12	0	1	12	22	13	3	0	0	0	0			52
13	0	1	10	21	12	3	0	0	0	0			47
14	0	0	14	23	17	3	1	0	0	0			59
15	0	1	15	26	15	5	1	0	0	0			63
16	0	1	15	26	15	4	0	0	0	0			62
17	0	1	12	30	22	8	0	0	0	0			74
18	0	0	15	36	24	7	0	0	0	0			82
19	0	0	11	33	18	5	1	0	0	0			68
20	0	0	6	14	14	3	1	0	0	0			39
21	0	0	5	8	8	3	2	0	0	0			26
22	0	0	4	7	5	1	0	0	0	0			18
23	0	0	2	6	5	2	0	0	0	0			14
24	0	0	1	3	3	2	1	0	0	0			9

7-19	0	7	157	329	220	60	6	1	1	0	0	0	781
6-22	0	7	176	368	258	70	10	1	1	0	0	0	891
6-24	0	7	179	376	265	74	10	1	1	0	0	0	914
0-24	0	7	180	382	271	76	10	1	1	0	0	0	929

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	188	20%
31-45	729	76%
46-60	12	1%
61-	0	0%
TOTAL	929	



85th Percentile Speeds mph

Southbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	38.3
9	38.3
10	37.1
11	36.4
12	36.2
13	36.3
14	36.7
15	37.5
16	37.5
17	38.6
18	37.7
19	37.5
20	38.5
21	-
22	-
23	-
24	-

10-12	36.3
14-16	37.5
0-24	37.4

Nash Road

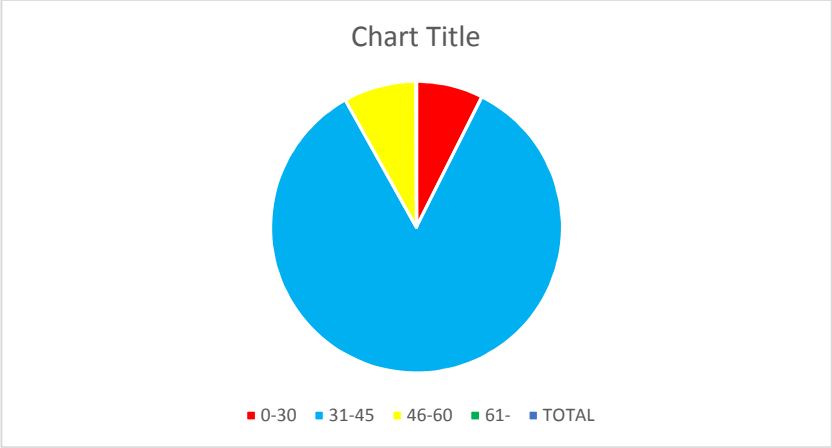
Speeds by Speed Band

Northbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	1	2	2	0	0	0	0			5
2	0	0	0	0	1	1	0	0	0	0			3
3	0	0	0	0	0	1	0	0	0	0			2
4	0	0	0	0	1	1	0	0	0	0			2
5	0	0	0	1	1	1	1	0	0	0			4
6	0	0	0	3	9	7	2	2	0	0			24
7	0	0	2	8	25	21	11	3	1	0			72
8	0	0	18	45	102	59	14	2	1	0			241
9	0	0	8	58	154	75	16	3	0	0			313
10	0	4	20	40	76	39	12	2	0	0			194
11	0	0	8	38	69	31	7	2	0	0			156
12	0	1	11	34	59	33	8	1	0	0			147
13	0	3	16	34	54	31	10	2	0	0			150
14	0	2	8	23	57	30	11	2	0	0			132
15	0	2	9	31	57	30	11	1	1	0			141
16	0	1	19	37	71	40	8	1	0	0			178
17	0	1	14	34	82	48	11	2	0	0			192
18	0	1	13	37	79	48	13	3	1	0			195
19	0	0	10	47	60	33	9	2	0	0			161
20	0	1	4	23	42	22	8	1	0	0			102
21	0	1	2	11	20	12	4	1	0	0			51
22	0	0	2	9	13	10	5	0	1	0			41
23	0	0	1	5	8	7	2	0	0	0			24
24	0	0	1	2	6	4	2	1	0	0			16

7-19	2	17	152	457	919	496	130	22	4	1	0	0	2199
6-22	2	19	163	507	1018	560	157	28	7	1	0	0	2464
6-24	2	20	165	515	1031	571	161	30	7	1	0	0	2504
0-24	2	20	166	519	1045	584	165	33	8	1	0	0	2543

Speed (MPH)	Average Weekday Northbound	
0-30	188	7%
31-45	2148	84%
46-60	205	8%
61-	1	0%
TOTAL	2543	



85th Percentile Speeds mph

Northbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	-
7	46.5
8	43.0
9	42.3
10	41.9
11	41.4
12	41.9
13	42.1
14	43.1
15	42.4
16	41.7
17	42.3
18	42.8
19	42.1
20	42.3
21	44.0
22	44.3
23	-
24	-

10-12	41.6
14-16	42.1
0-24	42.7

Nash Road

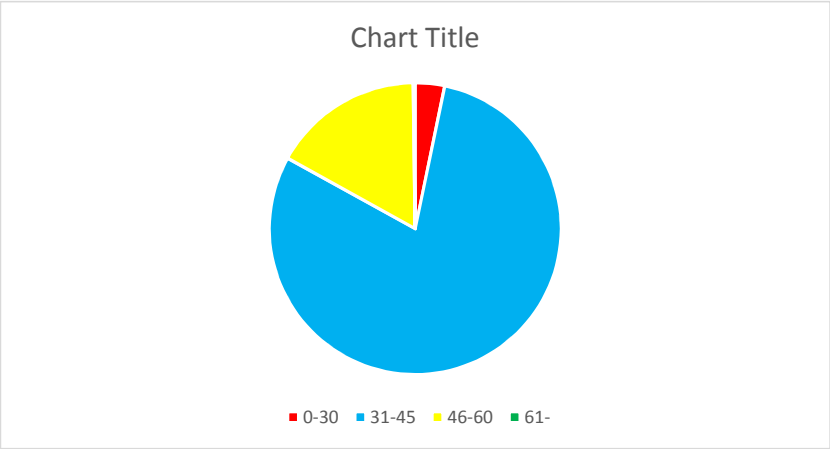
Speeds by Speed Band

Southbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	1	3	3	2	1	0	0			9
2	0	0	0	1	1	1	1	0	0	0			5
3	0	0	0	0	0	1	1	0	0	0			4
4	0	0	0	0	0	0	0	0	0	0			2
5	0	0	0	0	1	1	1	0	0	0			3
6	0	0	0	1	5	6	4	3	0	0			20
7	0	0	0	2	11	13	6	4	2	1			38
8	0	0	1	10	44	47	16	4	1	0			123
9	0	1	4	18	71	49	19	7	1	0			170
10	0	0	6	24	47	29	10	2	0	0			118
11	0	1	8	20	37	25	9	2	0	0			101
12	0	0	7	19	44	26	8	2	0	0			107
13	0	0	5	19	51	32	11	1	1	0			121
14	0	0	4	19	60	34	13	2	0	0			132
15	0	2	5	21	61	43	13	5	1	0			151
16	0	1	6	22	65	49	16	3	1	0			163
17	0	1	6	20	75	61	24	7	1	0			197
18	0	0	3	21	78	81	37	8	1	1			230
19	0	0	3	20	79	70	28	6	2	1			208
20	0	0	1	8	44	51	21	6	1	0			132
21	0	0	2	6	26	30	17	4	2	1			87
22	0	0	2	4	18	23	11	3	1	0			63
23	0	0	0	3	13	16	8	3	1	0			44
24	0	0	1	2	7	9	5	4	1	0			28

7-19	1	6	59	234	711	546	202	50	10	3	0	0	1822
6-22	1	7	64	255	810	662	257	67	16	5	0	0	2143
6-24	1	7	65	259	830	686	270	74	18	5	0	0	2216
0-24	1	7	65	262	841	699	280	79	19	5	0	0	2257

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	73	3%
31-45	1801	71%
46-60	377	15%
61-	5	0%
TOTAL	2257	



85th Percentile Speeds mph

Southbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	44.6
9	45.2
10	43.1
11	43.1
12	42.8
13	43.4
14	43.4
15	44.0
16	44.0
17	45.0
18	45.7
19	45.4
20	45.8
21	46.5
22	46.5
23	46.7
24	-

10-12	43.0
14-16	44.0
0-24	44.7

Warren Road

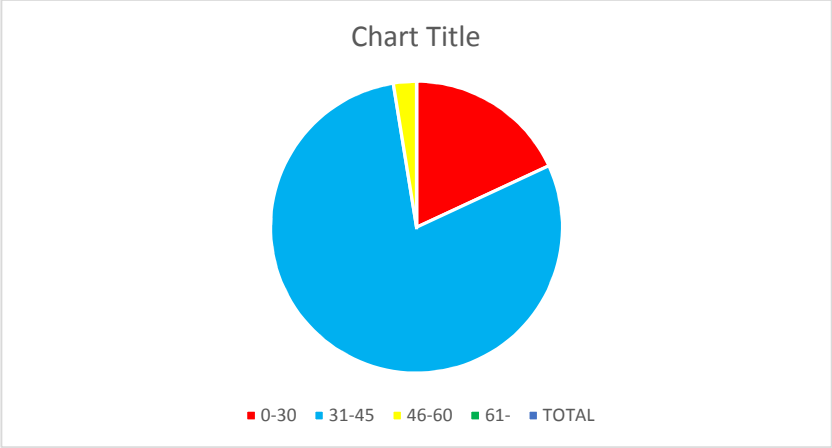
Speeds by Speed Band

Northbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	2	2	1	0	0	0	0			5
2	0	0	0	1	1	0	0	0	0	0			2
3	0	0	0	0	1	0	0	0	0	0			1
4	0	0	0	0	0	0	0	0	0	0			1
5	0	0	0	1	1	0	0	0	0	0			2
6	0	1	1	2	3	0	0	0	0	0			7
7	0	0	3	8	9	3	1	0	0	0			24
8	0	2	6	18	21	9	1	0	0	0			57
9	0	3	6	26	34	11	2	1	0	0			83
10	0	2	11	27	25	7	2	0	0	0			74
11	0	2	11	23	17	5	1	0	0	0			59
12	0	2	9	24	17	5	1	0	0	0			59
13	0	4	11	20	20	7	1	0	0	0			62
14	0	2	10	23	21	6	1	0	0	0			63
15	0	3	8	21	18	5	1	0	0	0			56
16	0	3	12	22	18	6	2	0	0	0			63
17	0	2	13	19	22	5	1	0	0	0			62
18	0	1	11	22	19	10	2	0	0	0			65
19	0	1	9	16	18	6	1	0	0	0			50
20	0	1	5	18	11	2	1	0	0	0			37
21	0	1	1	9	9	3	0	0	0	0			24
22	0	0	3	5	6	2	1	0	0	0			17
23	0	0	2	6	4	1	0	0	0	0			14
24	0	0	1	3	5	0	0	0	0	0			9

7-19	1	25	116	261	250	81	14	4	1	0	0	0	753
6-22	1	26	128	302	285	92	17	4	1	0	0	0	855
6-24	1	26	131	311	294	93	17	4	1	0	0	0	878
0-24	1	27	134	316	301	94	17	4	1	0	0	0	896

Speed (MPH)	Average Weekday Northbound	
0-30	162	18%
31-45	711	79%
46-60	23	3%
61-	0	0%
TOTAL	896	



85th Percentile Speeds mph

Northbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	40.6
9	39.5
10	38.9
11	37.7
12	37.6
13	38.5
14	37.3
15	38.5
16	38.4
17	38.2
18	39.8
19	38.6
20	-
21	-
22	-
23	-
24	-

10-12	37.7
14-16	38.5
0-24	38.6

Warren Road

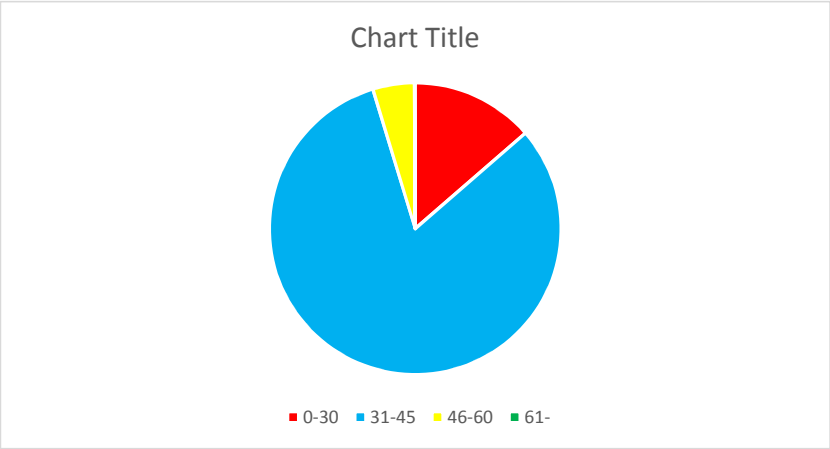
Speeds by Speed Band

Southbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	1	1	1	0	0	0	0			3
2	0	0	1	0	1	0	0	0	0	0			3
3	0	0	0	0	0	0	0	0	0	0			1
4	0	0	0	1	0	0	0	0	0	0			1
5	0	0	1	0	0	0	0	0	0	0			1
6	0	0	1	2	2	2	0	0	0	0			7
7	0	0	4	6	7	4	2	0	0	0			25
8	0	1	8	15	22	12	2	0	0	0			61
9	0	2	7	15	28	15	3	0	0	0			70
10	0	1	9	17	19	8	3	0	0	0			59
11	0	2	7	15	17	6	1	1	0	0			49
12	0	3	7	19	21	7	2	0	0	0			60
13	0	1	11	17	25	8	2	1	0	0			66
14	0	2	9	19	27	14	2	1	0	0			73
15	0	1	8	19	29	13	3	0	0	0			74
16	0	2	11	26	27	11	3	0	0	0			81
17	0	1	8	25	41	18	3	0	0	0			97
18	0	1	8	27	50	26	7	1	1	0			121
19	0	2	12	29	40	20	2	1	0	0			107
20	0	0	8	20	26	11	3	0	0	0			69
21	0	0	4	11	18	8	1	1	0	0			42
22	0	1	3	8	12	5	1	1	0	0			31
23	0	0	3	10	8	5	1	0	0	0			27
24	0	0	2	5	7	2	1	0	0	0			16

7-19	2	20	106	244	346	158	33	6	2	1	0	0	917
6-22	2	21	124	289	410	187	41	8	2	1	0	0	1085
6-24	2	21	129	303	424	194	42	8	2	1	0	0	1128
0-24	2	21	133	308	430	198	43	8	2	1	0	0	1145

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	156	17%
31-45	935	104%
46-60	53	6%
61-	1	0%
TOTAL	1145	



85th Percentile Speeds mph

Southbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	40.7
9	41.2
10	40.6
11	39.8
12	39.2
13	39.5
14	40.3
15	40.2
16	40.4
17	40.7
18	41.4
19	40.5
20	40.5
21	-
22	-
23	-
24	-

10-12	39.5
14-16	40.3
0-24	40.4

Whaddon Road

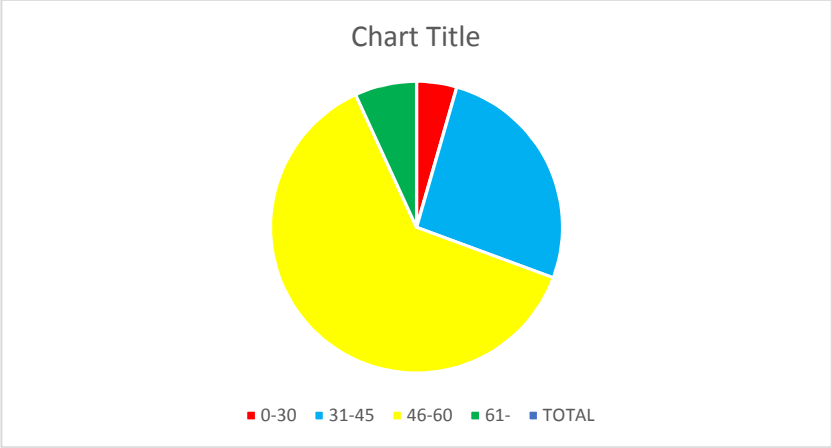
Speeds by Speed Band

Northbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	0	0	1	2	1	1	2			7
2	0	0	0	0	0	0	1	1	1	1			4
3	0	0	0	0	0	0	1	0	0	1			2
4	0	0	0	0	0	1	1	0	1	1			3
5	0	0	0	0	0	1	0	0	0	1			3
6	0	0	0	0	1	2	1	4	3	2			14
7	0	0	1	2	4	6	16	9	9	7			54
8	0	2	7	6	22	41	53	31	13	7			182
9	3	9	12	4	13	46	74	56	28	13			258
10	0	5	11	7	12	21	46	36	18	10			166
11	0	3	3	4	10	19	28	26	11	6			109
12	0	2	4	3	6	17	28	25	12	7			104
13	0	2	4	4	7	16	28	23	15	11			111
14	0	1	3	4	5	18	29	27	14	9			110
15	0	4	6	4	7	13	26	27	14	7			108
16	0	1	5	2	6	18	34	40	17	9			133
17	0	1	1	3	10	30	53	42	22	11			173
18	0	0	1	2	10	37	65	58	22	8			203
19	0	2	1	1	14	42	51	37	15	7			170
20	0	0	0	0	6	21	30	27	13	9			106
21	0	0	0	1	4	8	15	12	7	5			52
22	0	0	0	0	2	6	8	7	4	8			34
23	0	0	0	1	2	6	6	8	5	3			31
24	0	0	0	0	1	3	2	4	2	2			15

7-19	4	32	59	43	121	318	513	431	200	107	0	0	1827
6-22	4	32	60	47	137	359	581	485	234	135	0	0	2073
6-24	4	32	60	48	140	367	590	498	241	140	0	0	2120
0-24	4	32	60	48	142	373	595	504	247	147	0	0	2153

Speed (MPH)	Average Weekday Northbound	
0-30	96	4%
31-45	563	26%
46-60	1346	63%
61-	147	7%
TOTAL	2153	



85th Percentile Speeds mph

Northbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	-
7	55.3
8	53.8
9	54.6
10	54.4
11	54.6
12	54.8
13	56.5
14	56.2
15	55.7
16	56.1
17	55.4
18	54.2
19	53.8
20	56.3
21	55.3
22	59.5
23	-
24	-

10-12	54.7
14-16	55.9
0-24	55.4

Whaddon Road

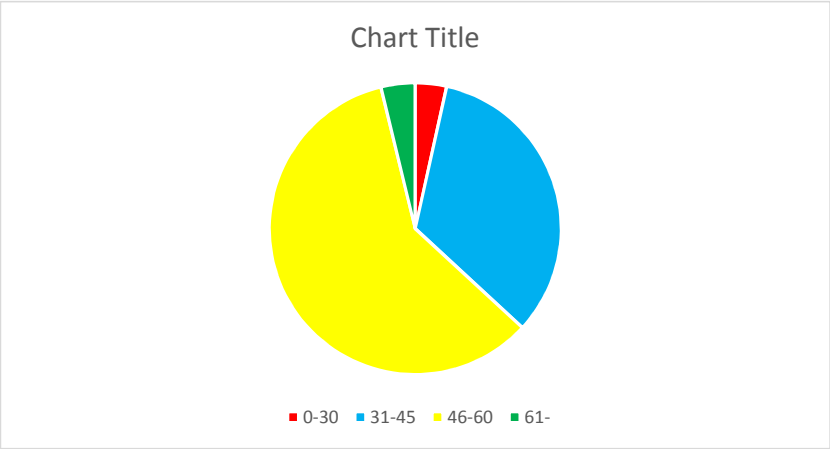
Speeds by Speed Band

Southbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	0	0	2	1	1	1	1			7
2	0	0	0	0	0	0	1	1	0	0			4
3	0	0	0	0	1	0	1	1	0	0			3
4	0	0	0	0	0	1	2	2	0	0			5
5	0	0	0	0	1	1	1	2	0	0			6
6	0	0	0	1	1	3	4	8	4	1			22
7	0	0	0	1	2	16	27	24	10	7			88
8	0	1	1	7	19	49	69	47	16	6			214
9	0	2	4	6	14	44	61	40	11	3			185
10	0	3	5	5	13	29	36	25	7	3			126
11	0	2	4	4	13	16	25	19	6	2			90
12	0	1	3	2	8	19	27	17	6	4			88
13	0	3	4	5	9	23	27	16	6	3			94
14	0	4	3	3	10	26	30	19	7	3			104
15	1	4	4	5	11	24	38	19	7	4			117
16	0	4	4	5	13	27	40	25	7	4			129
17	0	4	2	5	13	41	65	33	13	6			183
18	0	3	3	4	11	45	79	54	16	10			225
19	0	1	1	2	15	43	55	36	15	9			177
20	0	0	0	2	7	23	27	17	7	5			89
21	0	0	0	2	4	9	21	12	4	4			57
22	0	0	1	2	3	11	13	6	3	2			41
23	0	0	0	0	1	8	12	9	2	1			34
24	0	0	0	0	3	4	4	3	1	1			17

7-19	1	31	38	53	150	387	551	348	115	56	0	0	1732
6-22	1	32	39	60	167	447	639	408	139	74	0	0	2006
6-24	1	32	39	60	171	459	655	420	142	76	0	0	2057
0-24	1	32	39	62	174	466	666	434	147	80	0	0	2102

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	73	3%
31-45	702	33%
46-60	1247	58%
61-	80	4%
TOTAL	2102	



85th Percentile Speeds mph

Southbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	-
7	55.3
8	52.9
9	52.2
10	52.2
11	51.9
12	52.4
13	52.0
14	51.9
15	52.1
16	52.4
17	52.8
18	53.6
19	53.5
20	53.1
21	54.9
22	52.4
23	-
24	-

10-12	52.1
14-16	52.2
0-24	52.8

Coddimoor Lane

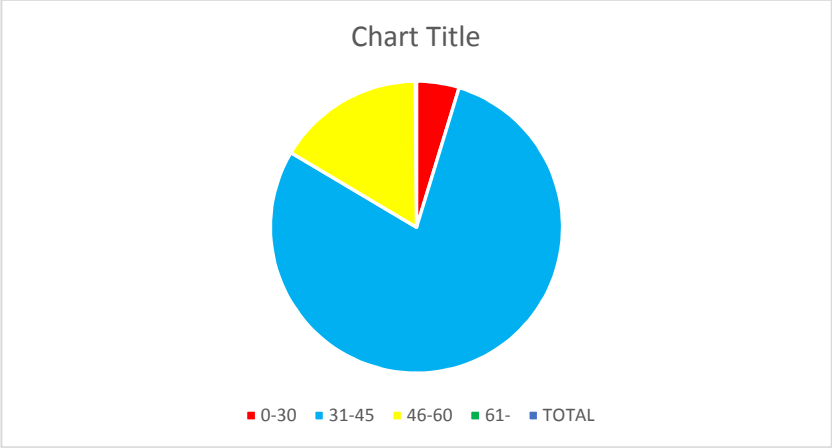
Speeds by Speed Band

Northbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	0	1	1	0	0	0	0			2
2	0	0	0	0	0	1	0	0	0	0			2
3	0	0	0	1	0	0	0	0	0	0			1
4	0	0	0	0	0	0	0	0	0	0			1
5	0	0	0	0	0	1	1	0	0	0			2
6	0	0	1	1	1	2	1	0	0	0			7
7	0	0	2	3	7	9	3	1	0	0			25
8	0	0	5	14	31	32	14	4	1	0			101
9	0	1	4	14	49	63	27	8	3	1			169
10	0	0	6	9	31	29	10	5	1	0			92
11	0	1	5	13	21	19	4	2	1	0			66
12	0	1	3	11	19	13	5	2	0	0			54
13	0	1	3	12	21	19	6	2	0	0			64
14	0	1	3	9	20	22	6	1	0	0			63
15	0	1	4	12	21	22	7	1	1	0			69
16	0	0	5	11	29	28	9	2	0	0			84
17	0	1	2	12	32	35	13	1	0	0			96
18	0	0	3	10	48	42	14	4	0	0			121
19	0	0	1	8	33	30	10	4	1	0			86
20	0	0	2	6	18	23	7	3	1	0			60
21	0	0	1	4	10	9	5	1	0	0			30
22	0	0	0	3	5	9	3	1	0	0			21
23	0	0	0	1	5	6	2	0	0	0			14
24	0	0	0	0	3	1	0	0	0	0			5

7-19	0	7	44	133	356	353	126	36	9	1	0	0	1065
6-22	0	8	49	148	396	403	144	43	10	2	0	0	1202
6-24	0	8	49	150	403	410	146	43	10	2	0	0	1221
0-24	0	8	50	153	406	415	149	43	10	2	0	0	1236

Speed (MPH)	Average Weekday Northbound	
0-30	58	5%
31-45	974	79%
46-60	202	16%
61-	2	0%
TOTAL	1236	



85th Percentile Speeds mph

Northbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	45.8
9	46.2
10	45.2
11	43.6
12	43.4
13	43.1
14	43.4
15	44.0
16	44.0
17	44.4
18	45.0
19	45.1
20	44.6
21	-
22	-
23	-
24	-

10-12	43.5
14-16	44.0
0-24	44.5

Coddimoor Lane

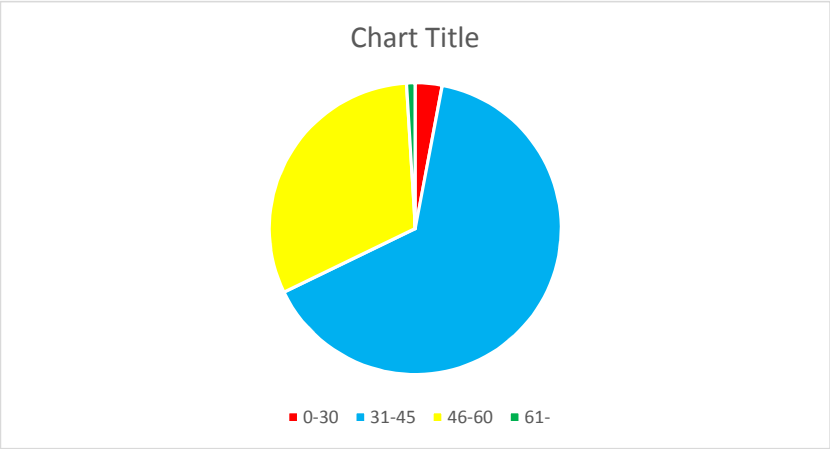
Speeds by Speed Band

Southbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	0	0	0	1	0	0	0			2
2	0	0	0	0	0	0	0	0	0	0			1
3	0	0	0	0	0	0	0	0	0	0			1
4	0	0	0	0	1	0	0	0	0	0			1
5	0	0	0	0	1	1	1	0	1	0			5
6	0	0	0	0	2	3	2	2	1	1			11
7	0	0	1	2	7	14	7	5	1	2			39
8	0	0	1	7	26	39	20	10	2	1			104
9	0	0	2	8	25	41	25	10	2	0			114
10	0	1	2	5	14	24	15	6	1	1			68
11	0	0	2	6	14	18	10	4	1	0			55
12	0	0	3	5	9	16	13	3	1	1			50
13	0	1	3	8	14	16	11	5	0	1			59
14	0	1	1	4	15	20	12	3	1	0			56
15	0	1	3	6	18	15	13	5	1	1			63
16	0	0	2	7	17	20	12	6	3	0			66
17	0	1	2	12	22	33	20	8	2	1			100
18	0	0	1	10	33	52	32	10	3	1			144
19	0	0	5	3	23	36	19	9	3	1			100
20	0	0	0	3	14	14	9	5	1	1			47
21	0	0	0	2	4	8	6	2	0	1			24
22	0	0	1	2	5	6	4	1	1	0			20
23	0	0	0	1	5	4	3	1	0	0			14
24	0	0	0	0	2	3	1	1	1	0			7

7-19	0	5	25	81	230	331	200	80	20	7	0	0	980
6-22	0	6	28	90	261	372	227	94	23	10	0	0	1111
6-24	0	6	28	91	267	379	231	96	24	10	0	0	1132
0-24	0	6	28	92	272	384	235	99	25	11	0	0	1153

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	34	3%
31-45	748	60%
46-60	360	29%
61-	11	1%
TOTAL	1153	



85th Percentile Speeds mph

Southbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	47.7
9	48.7
10	47.8
11	46.1
12	47.7
13	46.9
14	46.5
15	47.3
16	47.6
17	47.5
18	48.0
19	48.7
20	47.4
21	-
22	-
23	-
24	-

10-12	46.9
14-16	47.5
0-24	47.5

Buckingham Rd East Coddimoor

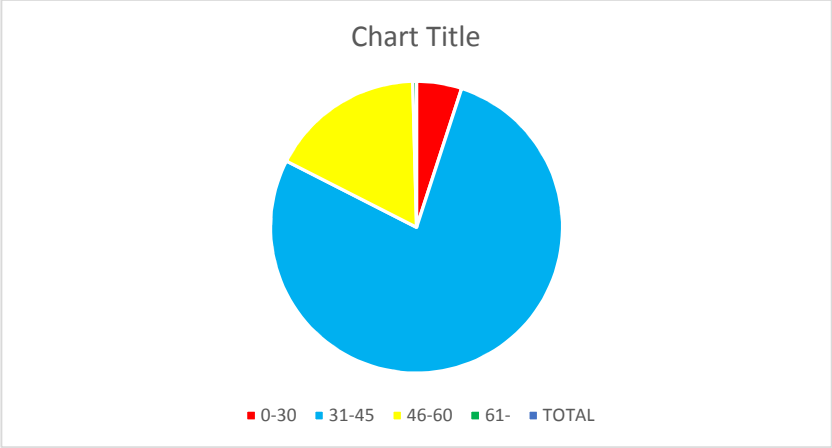
Speeds by Speed Band

Eastbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	1	6	11	19	11	5	3			56
2	0	0	0	0	4	6	6	9	5	2			31
3	0	0	0	2	4	6	7	5	2	2			28
4	0	0	0	1	7	11	9	6	3	2			38
5	0	0	0	1	8	12	15	9	5	1			51
6	0	0	0	6	27	29	35	20	5	2			124
7	0	0	6	31	78	115	77	31	8	4			349
8	0	0	67	187	325	222	70	14	4	2			892
9	1	18	92	264	446	274	63	12	2	0			1172
10	0	0	32	151	339	255	106	19	4	2			909
11	0	1	22	76	265	251	101	18	5	1			742
12	0	0	20	78	239	256	95	22	4	3			717
13	0	1	20	84	241	244	90	24	5	2			712
14	0	1	27	87	232	237	104	29	6	3			724
15	0	1	24	106	234	260	96	20	5	1			746
16	0	4	24	91	272	276	104	20	5	1			796
17	0	1	46	135	344	324	103	18	5	1			977
18	0	7	93	190	367	300	103	16	2	1			1079
19	0	13	81	175	349	245	62	16	3	2			946
20	0	0	17	75	154	222	102	29	5	2			607
21	0	0	3	22	74	108	85	32	5	4			332
22	0	0	2	18	49	73	44	21	6	3			217
23	0	0	0	9	22	44	56	29	8	3			170
24	0	0	0	2	20	31	31	18	6	3			112

7-19	2	47	549	1626	3653	3142	1097	227	50	21	0	0	10413
6-22	2	47	578	1771	4008	3660	1405	339	74	34	0	0	11919
6-24	2	47	578	1782	4050	3734	1493	386	88	40	0	0	12201
0-24	2	47	578	1793	4106	3808	1584	445	114	53	0	0	12529

Speed (MPH)	Average Weekday Northbound	
0-30	627	5%
31-45	9706	77%
46-60	2143	17%
61-	53	0%
TOTAL	12529	



85th Percentile Speeds mph

Eastbound

Hr Ending	Average Weekday
1	52.2
2	-
3	-
4	-
5	50.6
6	51.1
7	49.3
8	43.0
9	42.3
10	44.5
11	45.2
12	45.3
13	45.4
14	45.7
15	45.0
16	45.2
17	44.3
18	43.7
19	43.0
20	46.7
21	48.8
22	49.3
23	51.1
24	52.3

10-12	45.2
14-16	45.1
0-24	46.9

Buckingham Rd East Coddimoor

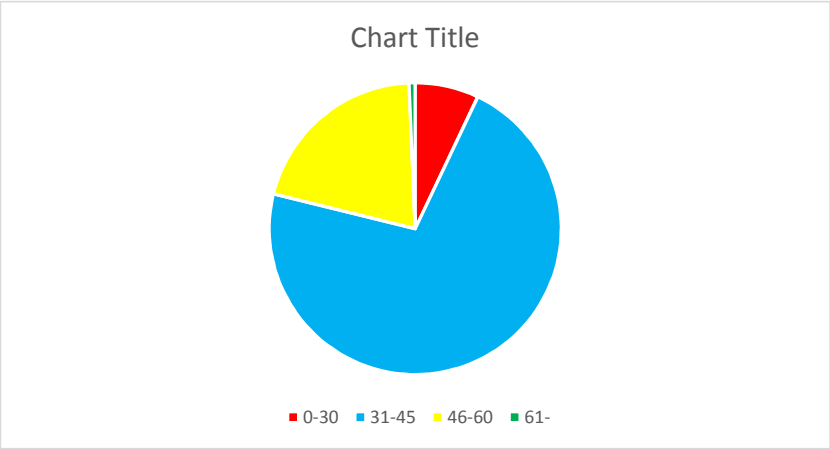
Speeds by Speed Band

Westbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	1	7	14	16	12	5	6			60
2	0	0	0	2	3	5	6	8	5	3			30
3	0	0	0	1	3	8	10	9	3	3			37
4	0	0	0	1	3	7	6	8	4	4			32
5	0	0	0	2	6	9	12	11	7	6			54
6	0	0	0	5	23	35	49	38	19	11			179
7	0	7	12	43	108	158	135	70	17	9			561
8	1	21	95	222	285	214	77	21	6	1			944
9	0	2	37	172	352	259	81	17	2	0			923
10	0	1	33	119	247	223	82	24	4	1			734
11	0	1	20	76	184	195	91	27	3	1			598
12	0	8	18	63	188	220	99	30	8	2			635
13	0	2	11	77	210	245	116	25	5	1			691
14	0	2	27	98	208	237	125	28	4	1			729
15	0	15	48	88	213	276	114	30	5	1			789
16	0	3	37	132	270	274	134	24	4	1			878
17	2	13	123	155	348	282	96	14	1	1			1035
18	2	49	159	278	364	222	66	7	1	0			1147
19	0	15	104	245	324	226	71	13	2	1			1002
20	0	0	15	54	178	207	124	46	10	3			637
21	0	0	3	21	68	114	102	57	22	4			391
22	0	0	7	14	35	73	84	42	18	8			281
23	0	0	1	6	22	49	61	45	17	8			210
24	0	0	0	3	9	31	35	28	12	8			126

7-19	6	131	713	1725	3194	2873	1150	259	42	11	0	0	10104
6-22	6	139	749	1856	3582	3426	1595	475	109	36	0	0	11973
6-24	6	139	750	1866	3613	3506	1690	548	139	52	0	0	12310
0-24	6	139	750	1877	3659	3583	1790	633	182	84	0	0	12703

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	896	7%
31-45	9119	73%
46-60	2605	21%
61-	84	1%
TOTAL	12703	



85th Percentile Speeds mph

Westbound

Hr Ending	Average Weekday
1	55.4
2	-
3	54.0
4	-
5	56.5
6	55.5
7	51.0
8	43.2
9	43.6
10	44.8
11	46.0
12	46.2
13	46.1
14	46.2
15	45.9
16	45.4
17	43.7
18	41.2
19	42.6
20	48.0
21	51.6
22	52.3
23	53.9
24	55.0

10-12	46.1
14-16	45.7
0-24	48.5

Buckingham Rd

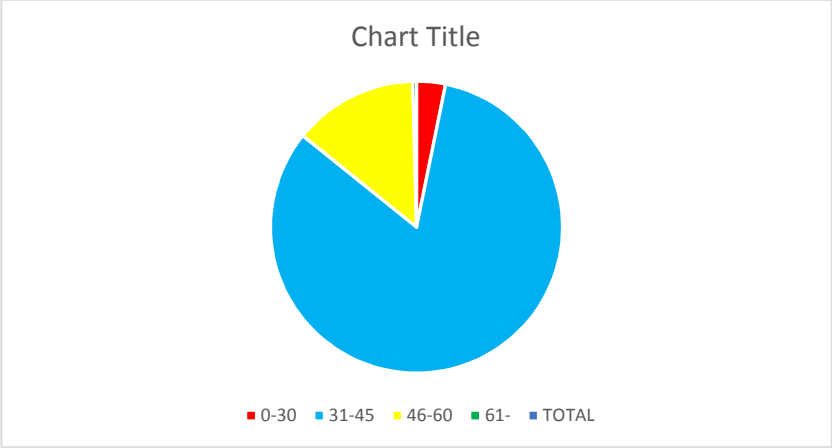
Speeds by Speed Band

Eastbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	1	3	7	5	3	2	1	1			22
2	0	0	0	1	2	3	2	0	0	0			8
3	0	0	0	1	1	2	1	0	1	0			5
4	0	0	0	1	1	1	0	0	0	0			3
5	0	0	0	1	1	2	2	0	0	0			7
6	0	0	1	1	11	8	5	2	1	0			30
7	0	0	1	6	26	23	13	4	2	1			77
8	0	0	8	34	78	73	31	8	2	1			236
9	0	2	11	66	131	109	34	8	2	1			363
10	0	0	6	35	83	70	28	8	2	1			232
11	0	1	5	34	84	54	22	5	2	1			210
12	0	0	4	34	90	67	22	6	1	0			226
13	0	0	8	49	87	71	28	6	1	1			251
14	0	0	6	48	92	67	29	7	2	1			251
15	0	0	10	58	113	83	24	6	1	2			298
16	0	0	11	63	123	88	27	7	1	1			322
17	0	0	9	61	137	115	37	8	2	1			369
18	0	0	11	73	183	142	39	8	2	2			459
19	0	0	13	74	141	89	31	9	2	0			360
20	0	0	15	43	97	64	27	7	2	1			257
21	0	0	5	26	52	46	20	7	2	1			160
22	0	0	2	18	45	35	14	4	3	1			124
23	0	0	4	15	35	25	10	4	1	1			95
24	0	0	3	7	17	15	8	2	1	1			55

7-19	0	5	102	628	1343	1028	351	86	21	11	0	0	3575
6-22	0	5	126	721	1564	1196	426	109	30	15	0	0	4192
6-24	1	5	133	743	1616	1237	444	115	32	17	0	0	4342
0-24	1	5	136	751	1638	1258	456	120	34	18	0	0	4418

Speed (MPH)	Average Weekday Northbound	
0-30	142	3%
31-45	3648	83%
46-60	610	14%
61-	18	0%
TOTAL	4418	



85th Percentile Speeds mph

Eastbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	-
7	46.8
8	45.9
9	44.3
10	44.9
11	44.6
12	44.5
13	44.4
14	44.6
15	43.8
16	43.8
17	44.1
18	43.9
19	43.9
20	44.4
21	45.9
22	44.9
23	44.9
24	45.9

10-12	44.5
14-16	43.8
0-24	44.8

Buckingham Rd

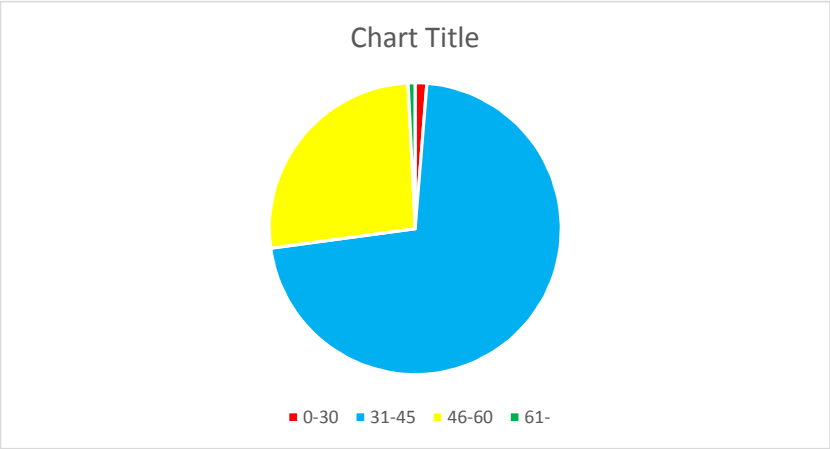
Speeds by Speed Band

Westbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	0	1	3	3	4	1	1	1			13
2	0	0	0	0	0	2	1	2	1	0			6
3	0	0	0	0	1	0	2	1	1	1			6
4	0	0	0	0	1	2	2	0	0	0			5
5	0	0	0	0	2	2	3	2	1	0			10
6	0	0	0	5	13	21	20	10	5	2			75
7	0	0	0	4	25	45	38	19	6	3			140
8	0	0	2	14	74	102	62	23	6	3			286
9	0	0	2	21	113	144	86	27	5	2			400
10	0	0	3	19	77	88	49	20	4	2			263
11	0	0	5	23	68	66	35	13	2	1			214
12	0	0	3	27	72	81	30	12	3	1			230
13	0	0	1	26	80	88	42	15	5	1			257
14	0	0	3	32	85	79	46	14	5	1			265
15	0	0	2	30	98	87	46	19	7	2			291
16	1	5	15	51	117	104	48	14	3	2			360
17	0	0	3	37	122	130	52	17	6	1			367
18	0	0	3	40	146	138	63	18	6	2			416
19	0	0	3	37	123	114	58	16	5	2			358
20	0	0	2	23	75	94	55	21	5	3			278
21	0	0	1	10	38	52	34	15	5	2			156
22	0	0	1	8	24	37	24	10	4	3			111
23	0	0	0	6	15	21	18	8	3	2			74
24	0	0	0	2	6	10	7	7	2	1			35

7-19	1	6	46	358	1174	1222	617	206	57	19	0	0	3707
6-22	1	7	50	402	1336	1449	768	271	78	29	0	0	4392
6-24	1	7	51	410	1358	1480	792	286	83	33	0	0	4500
0-24	1	7	51	416	1377	1510	824	301	92	36	0	0	4616

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	59	1%
31-45	3304	75%
46-60	1217	28%
61-	36	1%
TOTAL	4616	



85th Percentile Speeds mph

Westbound

Hr Ending	Average Weekday
1	-
2	-
3	-
4	-
5	-
6	51.0
7	50.9
8	48.1
9	47.7
10	47.6
11	46.9
12	46.1
13	47.0
14	47.1
15	47.5
16	45.7
17	45.8
18	46.3
19	46.5
20	48.0
21	49.4
22	50.1
23	49.7
24	-

10-12	46.5
14-16	46.6
0-24	47.8

Snelshall St

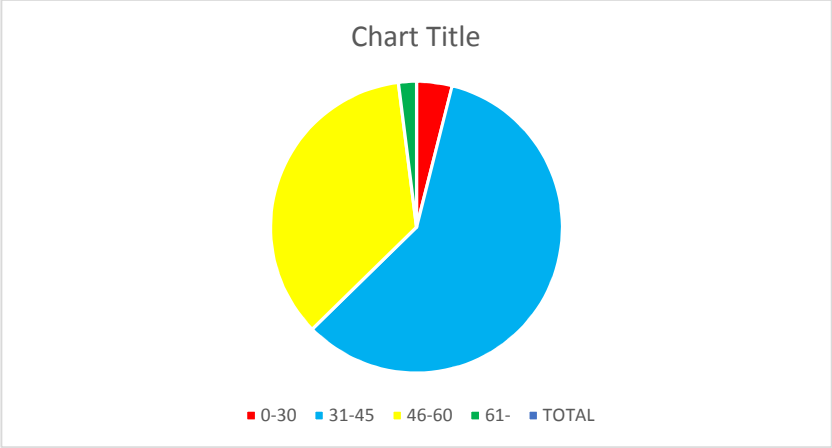
Speeds by Speed Band

Eastbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	3	4	7	9	8	5	3	2			41
2	0	0	3	5	5	4	4	4	2	1			27
3	0	0	4	3	5	5	3	2	1	0			25
4	0	0	5	3	9	6	4	4	2	1			35
5	0	0	4	7	9	8	8	7	3	1			48
6	0	0	9	18	27	31	31	23	11	5			154
7	0	0	12	28	51	62	72	46	30	12			313
8	0	0	25	69	134	177	142	105	49	19			720
9	0	1	19	94	201	231	194	118	53	14			926
10	1	1	30	99	170	158	115	60	25	9			668
11	1	1	24	78	142	134	83	42	15	8			527
12	0	0	27	90	142	129	76	36	17	5			522
13	1	1	24	76	134	133	87	47	19	6			528
14	1	1	24	79	146	121	82	50	22	6			532
15	1	0	23	75	135	153	113	62	19	8			589
16	0	1	25	81	163	174	127	76	30	12			689
17	2	0	15	58	147	184	140	96	37	17			694
18	0	1	14	60	136	210	175	95	49	18			758
19	1	0	22	73	147	169	125	73	37	15			662
20	1	0	18	58	97	122	82	50	26	11			463
21	0	0	10	24	45	74	63	34	20	9			279
22	0	0	10	23	40	47	38	27	16	5			206
23	0	0	10	25	34	47	39	27	11	5			199
24	0	0	6	13	22	22	18	11	5	3			100

7-19	7	7	271	932	1797	1973	1460	860	372	137	0	0	7815
6-22	8	8	321	1064	2029	2278	1714	1017	463	174	0	0	9076
6-24	9	8	337	1101	2086	2347	1771	1055	479	182	0	0	9375
0-24	9	8	364	1142	2148	2411	1829	1100	500	192	0	0	9704

Speed (MPH)	Average Weekday Northbound	
0-30	382	4%
31-45	5700	59%
46-60	3429	35%
61-	192	2%
TOTAL	9704	



85th Percentile Speeds mph

Eastbound

Hr Ending	Average Weekday
1	68.2
2	69.4
3	64.8
4	65.7
5	68.0
6	68.6
7	70.2
8	67.9
9	66.6
10	64.7
11	63.8
12	63.2
13	64.4
14	64.9
15	65.1
16	65.6
17	67.1
18	67.6
19	66.6
20	66.9
21	68.5
22	68.0
23	67.4
24	68.8

10-12	63.5
14-16	65.3
0-24	66.7

Snelshall St

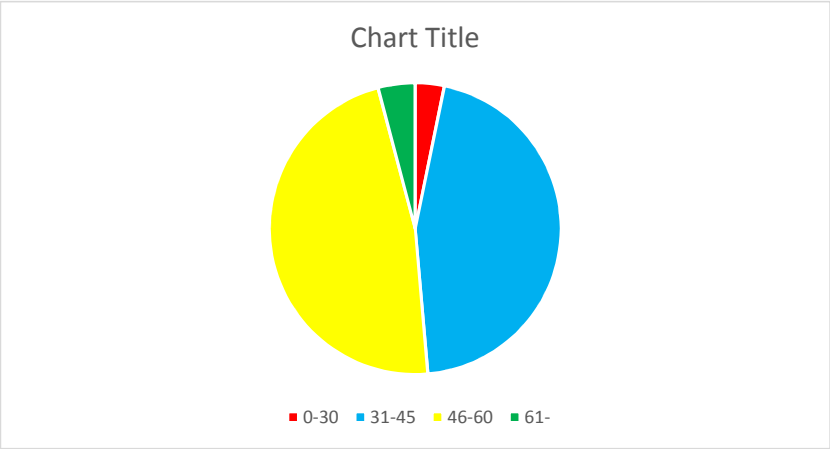
Speeds by Speed Band

Westbound

Average Weekday	Vehicle Speeds (MPH)												
Hr Ending	0-10	11-20	21-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80	81+	TOTAL
1	0	0	2	5	8	8	6	4	3	2			38
2	0	0	1	5	5	4	4	3	2	0			24
3	0	0	3	4	6	8	3	2	1	1			28
4	0	0	1	4	5	4	5	2	0	1			23
5	0	0	6	6	11	8	7	6	4	2			51
6	0	0	5	19	29	36	36	32	22	10			189
7	0	0	11	28	59	86	86	80	50	24			424
8	2	1	16	43	91	124	131	112	65	32			617
9	1	1	16	53	94	140	140	106	52	20			622
10	1	1	20	45	84	93	97	62	36	14			452
11	1	1	14	38	73	89	76	50	25	11			377
12	0	1	15	48	83	96	75	54	29	13			415
13	0	1	16	47	96	108	93	61	32	13			466
14	0	0	12	39	80	95	96	65	30	16			434
15	1	1	15	42	88	114	109	79	42	13			504
16	1	2	14	42	103	121	119	86	50	20			559
17	1	3	14	35	91	124	124	116	74	30			613
18	0	2	8	27	72	110	145	133	83	34			614
19	1	1	9	28	69	104	120	105	67	29			532
20	0	0	7	30	61	85	78	66	39	17			383
21	0	0	9	22	41	50	52	44	26	11			256
22	0	0	5	17	33	35	42	31	19	8			190
23	0	0	6	9	21	28	27	23	14	6			133
24	0	0	4	8	12	14	12	11	7	4			72

7-19	9	15	170	486	1023	1319	1325	1028	585	244	0	0	6205
6-22	10	16	202	583	1218	1574	1583	1248	720	305	0	0	7458
6-24	11	16	211	599	1250	1616	1623	1282	741	315	0	0	7664
0-24	11	17	229	643	1314	1685	1683	1331	773	330	0	0	8015

Speed (MPH)	Average Weekday	
	Eastbound	
0-30	257	3%
31-45	3641	38%
46-60	3787	39%
61-	330	3%
TOTAL	8015	



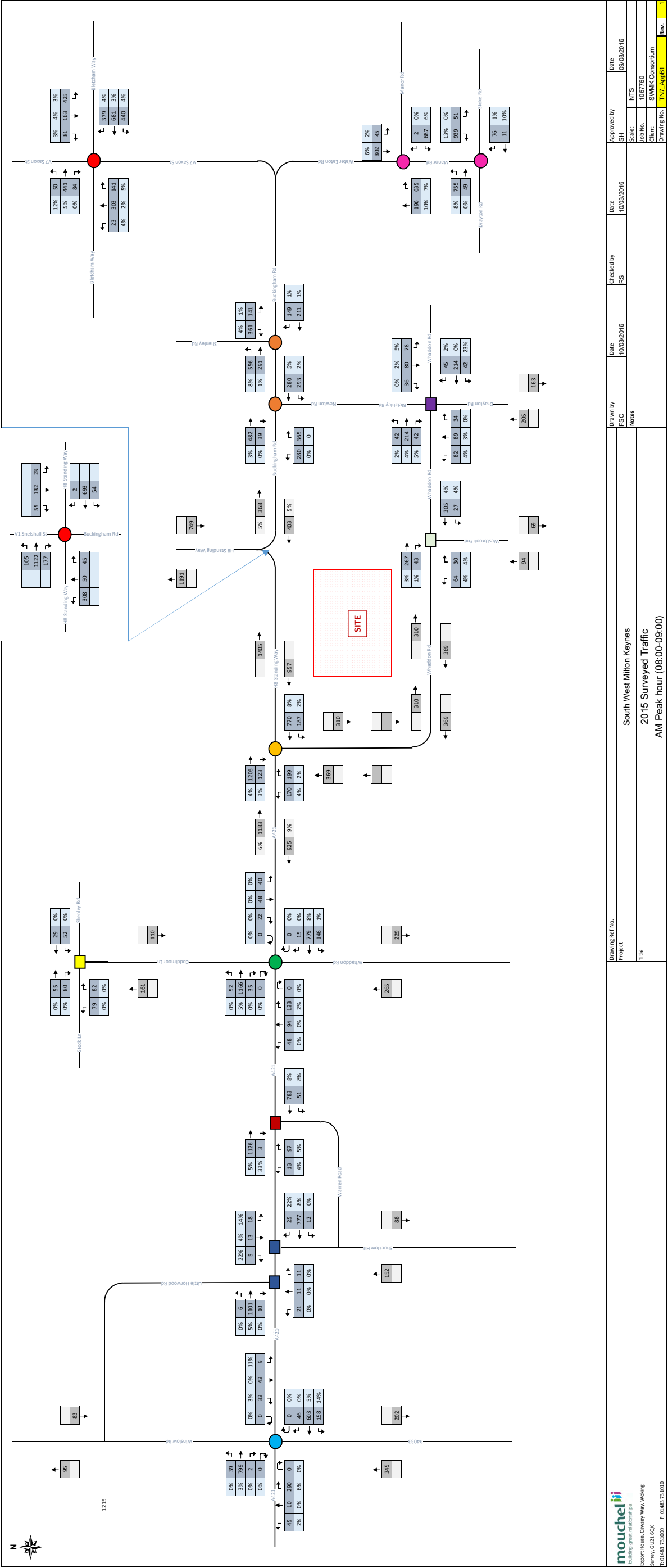
85th Percentile Speeds mph

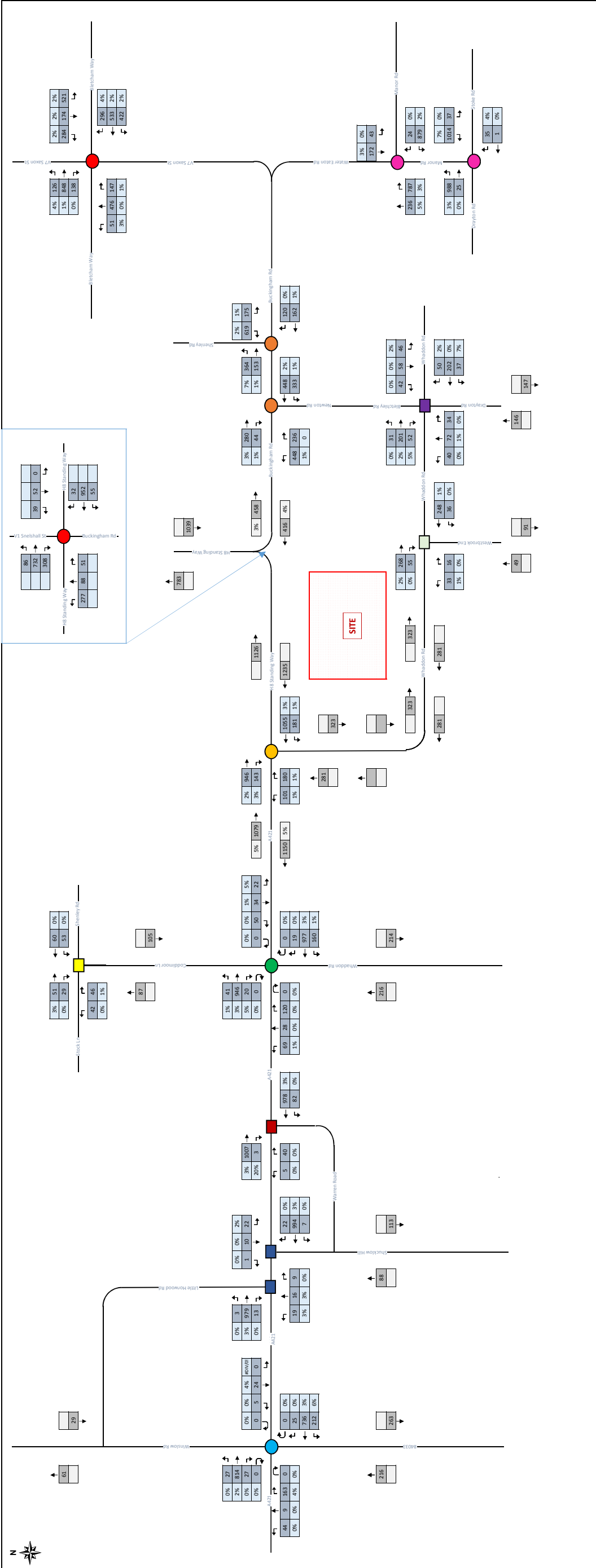
Westbound

Hr Ending	Average Weekday
1	67.7
2	66.1
3	63.2
4	64.0
5	68.7
6	72.1
7	71.8
8	70.7
9	69.3
10	69.1
11	68.3
12	68.2
13	67.9
14	68.5
15	68.6
16	69.4
17	71.1
18	72.4
19	72.2
20	70.9
21	71.0
22	70.3
23	71.0
24	72.1

10-12	68.3
14-16	69.0
0-24	69.4

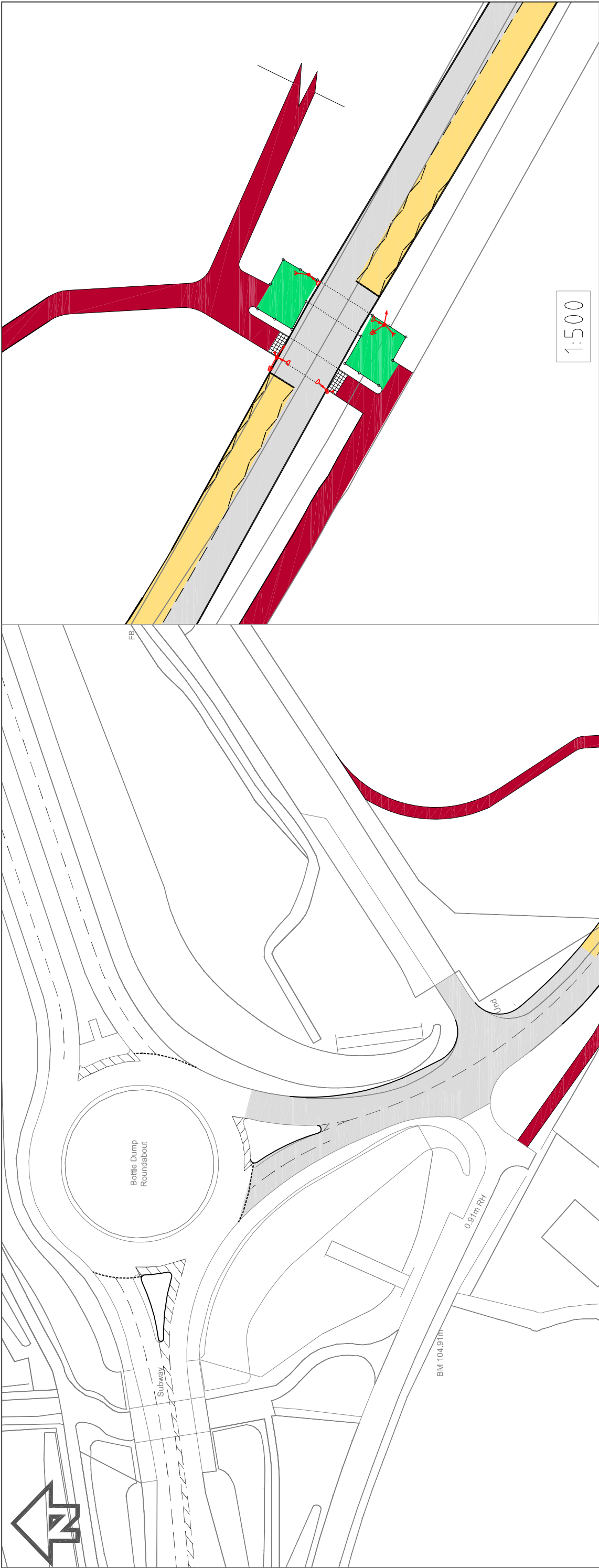
Appendix E Traffic Flow Diagrams – 2015 Base





 COUNTY GURTES CONSULTANTS Deport House, Caenry Way, Woking Surrey, GU21 6DX T: 01483 731000 F: 01483 731010	Drawing Ref No.		Drawn by		Date		Checked by		Date		Approved by		Date		
	Project		P-SC		10/03/2016		RS		10/03/2016		SH		29/08/2016		
	Title		Notes								Scale		NTS		
											Job No.		1067760		
											Client		SWMK Consortium		
										Drawing No.		TNT AppB2		Rev.	

Appendix F Bottle Dump Pegasus Crossing



KEY:

Primary 3 aspect signal head.

Secondary 3 aspect signal head.

Pedestrian kerbside detector.

Two aspect nearside pedestrian signals with combined push button.

Pedestrian Push Button.

High friction surfacing

Extent of highway works

Pedestrian/Cyclist/Equestrian Route

Equestrian Holding Area

At original drawing size (A3) this line measures 50mm				L:\106xxx\1067760 South West Milton Keynes\12 Dwgs				Drawn	CEW	Date	11-12-2015	Checked	SH	Date	18-12-2015	Approved	MP	Date	18-12-2015												
Notes Contains OS data © Crown copyright (and database right) (2015)	Minor Amendments			SH	MP	29/07/16	MP	Project			SOUTH WEST MILTON KEYNES																				
	Existing Roundabout Markings			CEW	MP	05/04/16	MP	Title			BOTTLEDUMP ROUNDABOUT																				
	Minor Amendments			CEW	SH	18/12	SH				PROPOSED PEGASUS CROSSING																				
	Relocated Crossing			CEW	MP	15/12	MP				Client																				
Rev.				By	Chkd.	Date	Appd.	Client																							
Amendment								SWMK Consortium																							
PRELIMINARY FOR APPROVAL				Drawing No. D015														Rev. D													

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Appendix G Meeting Note – Arriva Buses

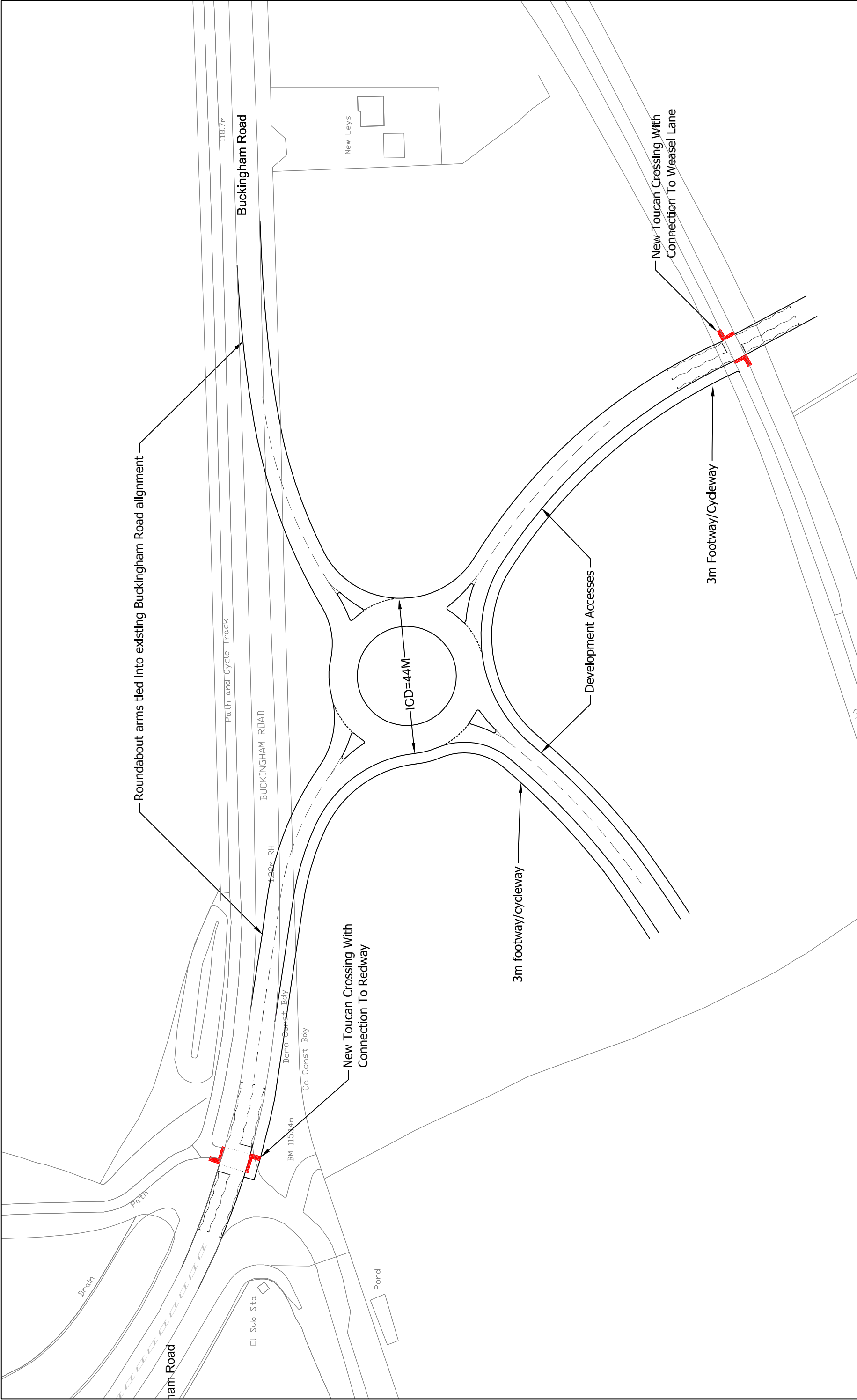
MEETING NOTES	DATE: 3 rd December 2014	PROJECT: M53295
	TIME: 1.00pm	
SUBJECT: Proposed Bus Service for SWMK	PROJECT TITLE : SWMK	
ATTENDEES: Paul Morgan, Arriva Buses Patrick Stringer, Arriva Buses Dan Shoesmith, Pell Frischmann Ajay Patel, Pell Frischmann		
DISTRIBUTION: SWMK Project Team		

ITEM	DESCRIPTION	ACTION
AP	Clarified details of SWMK development proposals. 1885 Residential Houses with auxiliary uses such as primary school, satellite secondary school and employment(offices) uses. Acknowledged details of current bus proposal which is to split existing bus service S8 by alternating its current route from Kingsmead Roundabout south to serve the SWMK development Current thinking is extend proposals to provide a more direct bespoke route serving the SWMK development with a frequency of 15 minutes and that also links to Bletchley Railway Station (BRS) and Central Milton Keynes(CMK) . Potential bus route would be from CMK- SWMK – BRS. Would like to understand the feasibility and costs of introducing this bus route.	
PM	Issues with offering a direct or bespoke service which main issue is the sustainability and long term financial viability of the service. To increase the longevity of the new bus service it would be beneficial to add other destinations along the route to increase patronage along the bus route. Destinations could include the Hospital and Milton Keynes Railway Station. Other proposed residential developments could be included. Issues with incorporating a link to BRS would be that the destinations offered by the station are not primarily commuter routes and are more local shopping destinations. Therefore AM and PM peak period route are not desirable, more suited to Off Peak and Weekend Service. MKRS is the main commuter route and as a destination would be needed during peak periods. Two Possible Scenarios would be:- a) Direct Service excluding Bletchley and BRS, 4 possibly 5 services per hour to provide a 15 minute frequency, Travelling Standing Way – Grafton Street - Alternating route – Hospital – MKC and MKRS. b) Route as above but including Bletchley and BRS, however extending to 7, 8 services per hour in order to maintain the 15 minute frequency. Cost estimates of £1.8million for a bespoke dedicated service as per scenario a) per year over 5 years. Intention then would be to make the service commercial. Scenario b) would cost more.	
PM	Previous example of direct services was the 19 Newtown Leys. This was previously developer financed and due to poor patronage has now been disbanded.	
PM	Would be useful to obtain details of development in terms of split of affordable houses and schedule of development from first to end year of construction build.	AP/DS

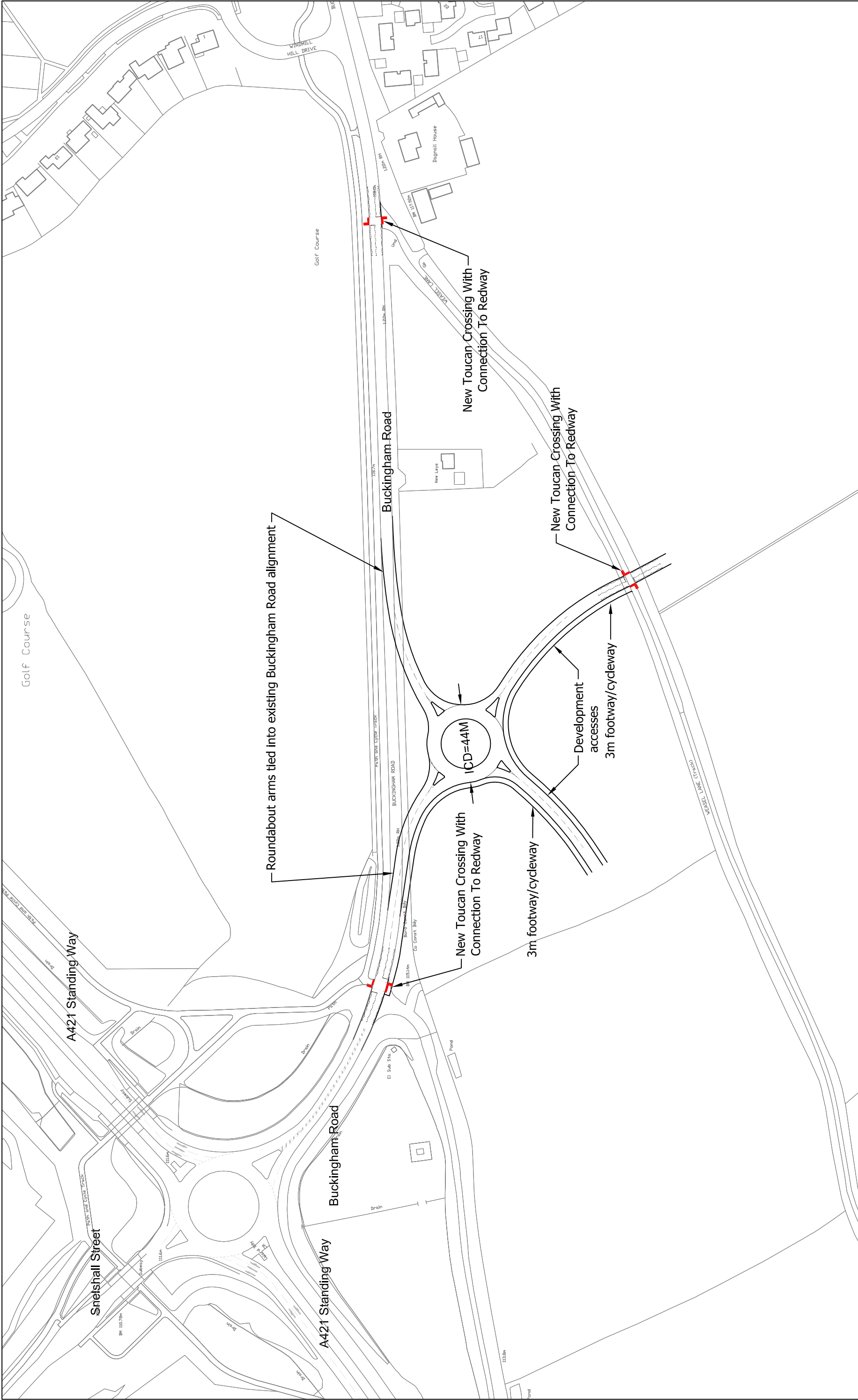
ITEM	DESCRIPTION	ACTION
DS	Development aspirations would be to have a direct service to SWMK from the offset serving the site.	
PM	Useful to have details of the education establishments	
DS	The first school is a primary school and the second school is secondary school which is a satellite location of an existing nearby secondary school. Also aware that school buses are provided for the secondary school. Also Bucks CC are yet to commit to the development of the secondary school.	
PM/PS	Well aware of all nearby local schools and potential of use of buses for travel which would assist to determine the profiles of the bus routes.	
AP	Wish to understand requirement of bus infrastructure, costings and how these would be funded.	
PM	This would be provided by the LPAs (MKC) in terms of bus shelter and bus layouts. Would ideally look for provision to accommodate buses of 9.5 – 12 metres vehicles. RTI and information of services, routes, timetables via the web and smartphones would be provided by the LPAs (MKC). Also buses can be procured through operator or owned/bought by developer. An example of developer bought buses were 150k each, Previous arrangements dealing direct with developers to understand who buys equipment. Have a good relationship with MKC also. Also can deal directly with the developer to finalise costs of the contribution requirement	
PM	Aware of Offering Concessionary Bus Passes. The two boroughs, MKC and AVDC offer different concessions on bus passes that are applicable to residents of that borough.	
PM	Summary of bus costings - 1.8 million for 2 years for 7,8 buses with Gross Costs would be approximately 1 million per year In order to share revenue risks, other developments can be included in the bus route. ARRIVA would take on marketing and promotion of route.	
DS	Next step would be finalise details of bus route, service and costs.	
PM	Need to understand phasing of development, housing split between affordable housing and provide numbers for proposed patronage for Yr1, Yr2, Yr3, Also detailed plan of occupation, discuss if realistic, speak to traffic consultants and provide an estimated gross cost. Also obtain Developer Sign Up and assign a Dedicated Area Manager	

Notes prepared by: AP, 05/12/2014

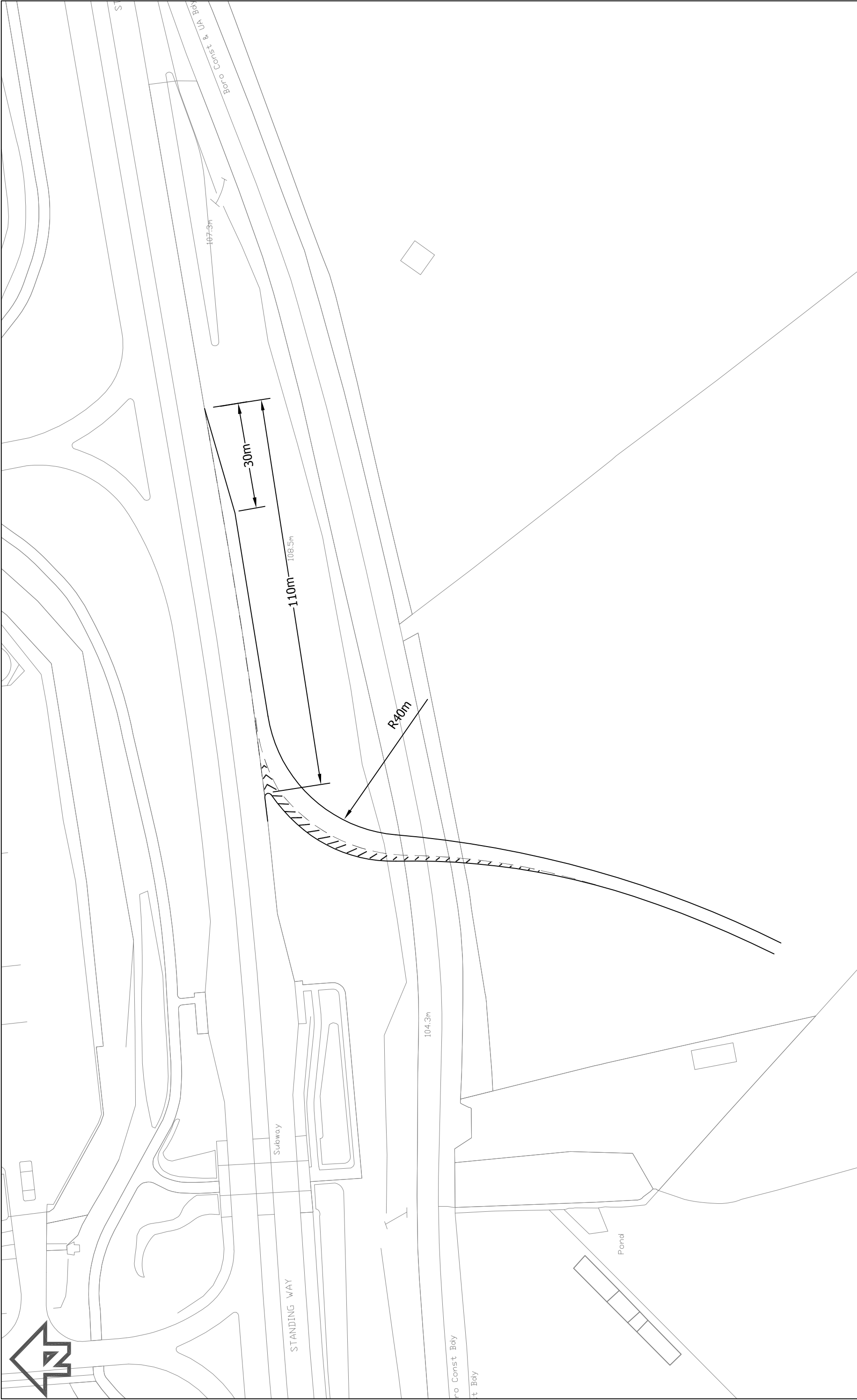
Appendix H Proposed Access Designs



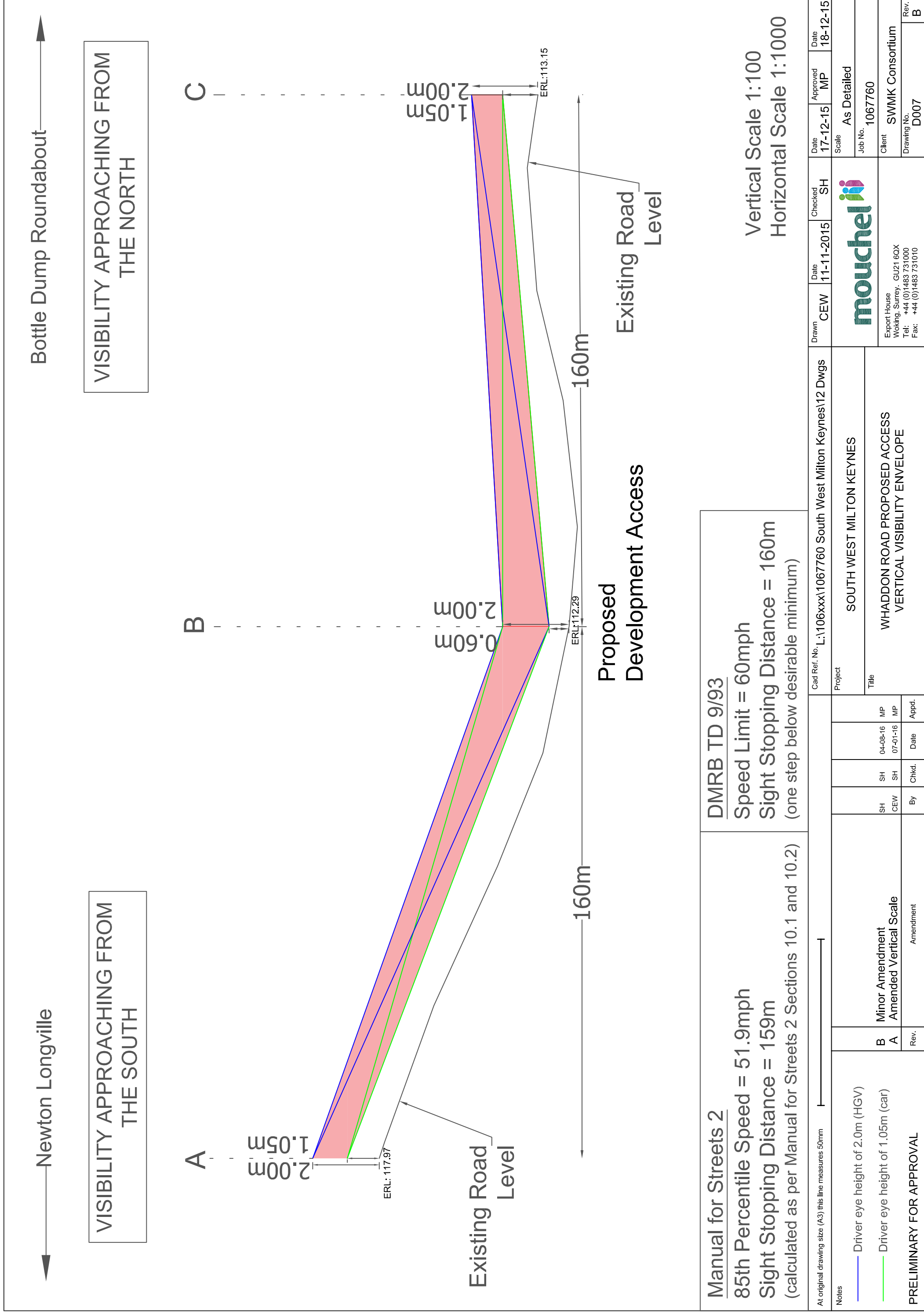
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Notes Contains OS data © Crown copyright [and database right] (2015)	Project		SOUTH WEST MILTON KEYNES														
	Title		ALTERNATIVE JUNCTION ARRANGEMENT FOR PROPOSED ACCESS ON BUCKINGHAM ROAD														
	Rev.	Amendment	By	Chkd.	Date	MP	MP	Scale 1:1000@A3									
PRELIMINARY FOR APPROVAL			Minor Amendments Amended Location and Alignment of Roundabout		04-08-16 03-06-16	SH CEW	SH	Job No. 1067760		mouchel 							
								Client SWMK Consortium		Export House Woking, Surrey, GU21 6QX Tel: +44 (0)1483 731000 Fax: +44 (0)1483 731010							
								Drawing No. D017		Rev. B							

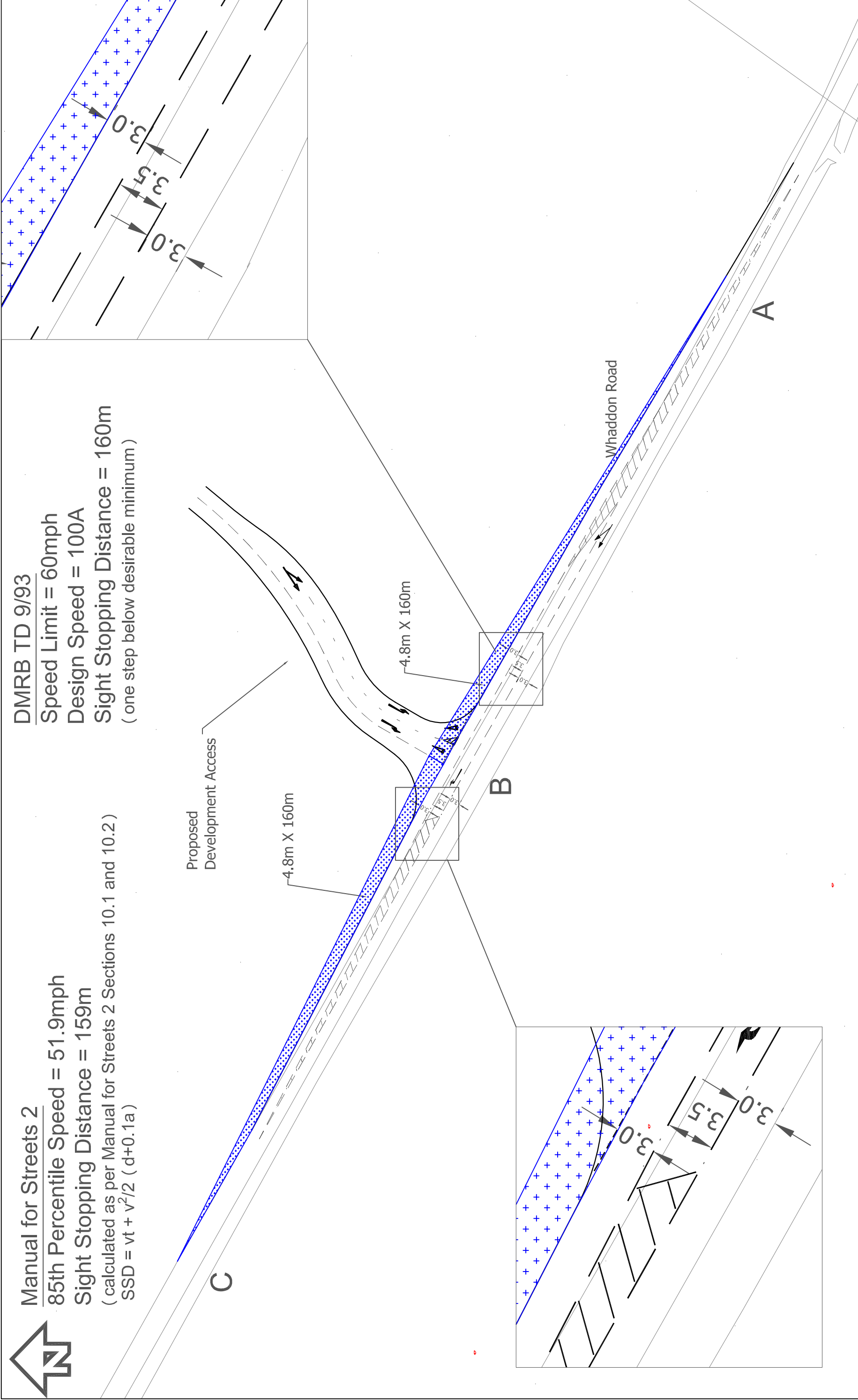


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												Title ALTERNATIVE JUNCTION ARRANGEMENT FOR PROPOSED ACCESS ON BUCKINGHAM ROAD										mouchel			
PRELIMINARY FOR APPROVAL		Minor Amendments Amended Location and Alignment of Roundabout																				SH CEW		SH SH	
												B A		By		Chkd.		Date		Appd.					



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Notes Contains DS data ©Crown copyright [and database right] (2015) JUNCTION ARRANGEMENT TO DIMENSIONS AS REQUIRED BY DMRB TD 42/95 PRELIMINARY FOR APPROVAL										Project SOUTH WEST MILTON KEYNES											
										Title A421 PROPOSED ACCESS ACCESS ONLY JUNCTION											
										Rev.		Amendment		By		Chkd.		Date		Appd.	





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Notes Contains DS data ©Crown copyright (and database right) (2015)	Project SOUTH WEST MILTON KEYNES		Scale 1:1000@A3						
	Title WHADDON ROAD PROPOSED ACCESS		Job No. 1067760						
	Rev. Amendment		Client SWMK Consortium						
PRELIMINARY FOR APPROVAL		Drawing No. D014		Rev. C					

Appendix I Stage 1 Road Safety Audits of Proposed Access Designs

Land South of A421, South West Milton Keynes

Access Junctions

Designer's Response to Stage 1 Road Safety
Audit

Produced for:
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Document Control Sheet

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Report Title	Designer's Response to Stage 1 Road Safety Audit: Access Junctions
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Record of Issue

Issue	Status	Author	Date	Check	Date	Authorised	Date
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Distribution

Organisation	Contact	Copies
SWMK Consortium	Tom Thornewill, Gary Tucker, John Coleman, Brian Harding, Pat Tattan	1e
Mouchel	File	1e

Limitations

This report is presented to SWMK Consortium in respect of Land South of A421, South West Milton Keynes (Access Junctions) and may not be used or relied on by any other person. It may not be used by SWMK Consortium in relation to any other matters not covered specifically by the agreed scope of this report.

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1 Introduction

- 1.1 This report sets out the design team's response to the following Stage 1 Road Safety Audit which was carried out by Mouchel Ltd on the proposed access junctions and highway improvements related to the proposed development of 'Land South of the A421, South West Milton Keynes'.
- 1.2 The Stage 1 Road Safety Audit dated June 2016, document number ITS/328/2016, should be read alongside this report.
- 1.3 The documents submitted for the Road Safety Audit comprised six drawings and Google Map and Satellite Map images. These are listed within an appendix of the Road Safety Audit.
- 1.4 The proposed alterations form mitigation for the proposed development of land at South West Milton Keynes, as detailed within the Transport Assessment for the scheme. The proposed development at South West Milton Keynes is located within Aylesbury Vale District in Buckinghamshire.
- 1.5 The items raised from the Safety Audit have been reproduced within this report and are in *italics* and quotation marks. The design team response is also provided for each item raised.

2 Responses to Stage 1 RSA items raised

Item 2.1.1

"Location: A – Whaddon Road – proposed new access

Summary: Short ghost islands could lead to head on type incidents

Detail: As you approach the proposed new access from Bottledump Roundabout the horizontal and vertical alignment of the road makes the new access appear to be in a dip. Whilst the design team have demonstrated that the required visibility to Manual for Streets has been achieved, the audit team are concerned that motorists may not appreciate that the road moves to the left with the proposed widening and with the short ghost island end up head on with a car waiting to turn right into the new access. (MfS Table 10.1 refers to DMRB TD9/93 for deceleration where speeds are over 60kph). It is noted that the tapers east and west of the junction differ in length.

Recommendation: Provide visibility and ghost island tapers appropriate to the Whaddon Road speed limit and in accordance with DMRB TD42/9"

Response

- 2.1 Noted. Following the provision of 1,900 new homes, 2 schools and other provisions such as employment facilities and a local centre at the site, the nature of the area will change considerably which in itself will cause drivers to be more aware of their surroundings, however signage would also be provided to reinforce awareness of changes in road layout.
- 2.2 It has been noted in the audit that the visibility currently meets the Manual for Streets 2 requirements, however it should also be noted that it meets the DMRB standards with one-step below minimum achieved, which DMRB states is acceptable if cost (or other factors) prevent the desirable minimum being achieved (DMRB TD 9/93). In this instance, to provide the desirable minimum the road would need to be regraded at huge expense, which is not necessary when one-step below can be achieved.
- 2.3 The ghost island length and tapers have been adjusted in line with DMRB TD 42/95, as shown on drawing D014 revision C and D007 revision B.

Item 2.1.2

“Location: B – Whaddon Road – proposed new access

Summary: Visibility from access could lead to queuing vehicles taking chances resulting in conflict.

Visibility from the access has been designed to Manual for Streets, giving the visibility splay of 2.4m by 159m. (MfS para.10.5.6 states ‘An X distance of 2.4m should normally be used in most built up situations). The audit team feel that given Whaddon Road is subject to the National Speed Limit, 60mph, and not in a built up location, the visibility splay out of the junction should be increased to allow for visibility for the second car in the queue. (No details of posted speed limits have been submitted with the audit brief). This would give motorists better opportunity to pull out onto the Whaddon Road which at the time of the site visit, had a steady stream of cars. Queuing traffic leads to frustration, in turn leading to motorist taking chances by pulling out in gaps that are too short, which results in side swipe, rear end shunt or head on type collisions.

Recommendation: Provide sufficient visibility to the whole of the junction arrangement in order to avoid motorist frustration/risk taking.”

Response

2.4 As set out previously, the character of the area will change considerably from rural to built-up following the development of the site, and the design visibility currently meets the Manual for Streets 2 requirements.

2.5 Nevertheless, as this is a new development and no constraints exist, the X distance has been amended as shown on drawing D014 revision C.

Item 2.1.3

“Location: C – Whaddon Crossroads roundabout

Summary: Widening roundabout entries to two lane could lead to increased collisions on exit.

At this junction, it is proposed to widen the entry to the roundabout to two lanes from both A421 approaches, however the exits off the roundabout to the A421 are still only one lane with no room for vehicles to merge. This could lead to an increase in rear end shunt and side-swipe type incidents on the exits from the roundabout. Also entry deflection may be reduced to an inappropriate level such that there is an increase in speed of vehicles entering the circulatory carriageway. This may increase risk of collision.

Recommendation: Provide sufficient carriageway widths on the exit of the roundabout to allow for vehicles to merge safely if the widening is required."

Response

2.6 Noted. The entry deflection on the submitted design drawing is well within the recommended standards. The exit width from the roundabout has been amended on the A421 arms to meet the standards set out in DMRB TD 16/07, as shown on drawing D019 revision B.

Item 2.1.4

“Location: D – A421 Standing Way Proposed Access Only Junction

Summary: Layout of junction could lead to loss of control collisions.

The scheme proposes to construct an access only junction off the A421 Standing Way which is subject to the national speed limit of 70mph. This junction consists of a deceleration lane and a left hand bend situated amongst existing trees. The audit team have not been given any details with regards to vehicle restraint systems or proposed speed limits and are concerned that there will be an increase in loss of control incidents at this location, potentially leading to a higher severity injury due to the trees.

Recommendation: Install VRS to protect the motorist from losing control into the trees to help reduce the severity of the collision.”

Response

- 2.7 Noted. Vehicle restraint systems will be included at the access point, with further details of location and type submitted as part of the detailed design.

Item 2.1.5

“Location: E – New Roundabout on Buckingham Road

Summary: New shared footway/cycleway are minimal width which could lead to conflict.

The new shared footway/cycle way is being proposed as 3m wide, LTN1/12 states a preferred minimum effective width of 3m, which should be the actual width of the route, where the route is not bounded by vertical features. The width of the shared use facility strongly influences the quality of the shared routes and with insufficient widths tending to reduce user comfort and therefore increase the potential for conflict between pedestrians and cyclists. No details have been given with regards to the locations of the lighting column and signs and therefore where sign posts or lamp columns are present, they should be located outside the effective width zone where possible.

Recommendation: Widen the shared footway/cycleway facility to ensure that the effective width is maintained through-out the route to reduce the potential for conflict between pedestrians/cyclists and vehicles. NB. LTN1/12 provides guidance of additional width requirements dependent on the edge constraint (e.g. kerb upstand).”

Response

- 2.8 The submitted concept design drawing shows a shared footway/cycleway of 3m in width, which meets design standards and sets the parameters for the full detailed design to follow. The positions of lamp columns and signs would be provided at detailed design stage, however it is noted that these would need to be located outside of the indicated 3m to ensure the minimum effective width is maintained.

Item 2.1.5

“Location: E – New Roundabout on Buckingham Road

Summary: New shared footway/cycleway crossing points could mislead partially sighted people.

On the drawings submitted for road safety audit, three locations have been identified as formal crossing points by way of Toucan crossings. The audit team have not received any pavement drawings, but the tail ends of the red tactile paving should extend to the back of the highway boundary to ensure all users, especially those users that are partially sighted, are guided to a safe crossing point. If users miss these safe crossing points, they could be vulnerable when attempting to cross the road elsewhere. Corduroy paving should also be considered to warn NMU's of the shared facilitates and to reduce the number of pedestrian/cyclist conflicts.

Recommendation: Extend the tactile paving to the back of the highway boundary and install corduroy paving where a footway joins a shared route.”

Response

2.9 It should be noted that as the submitted drawings are a concept design, pavement details are yet to be produced. The details of tactile paving will be provided at detailed design stage, and will meet standards ensuring the red tactile paving extends to the back of the footway.

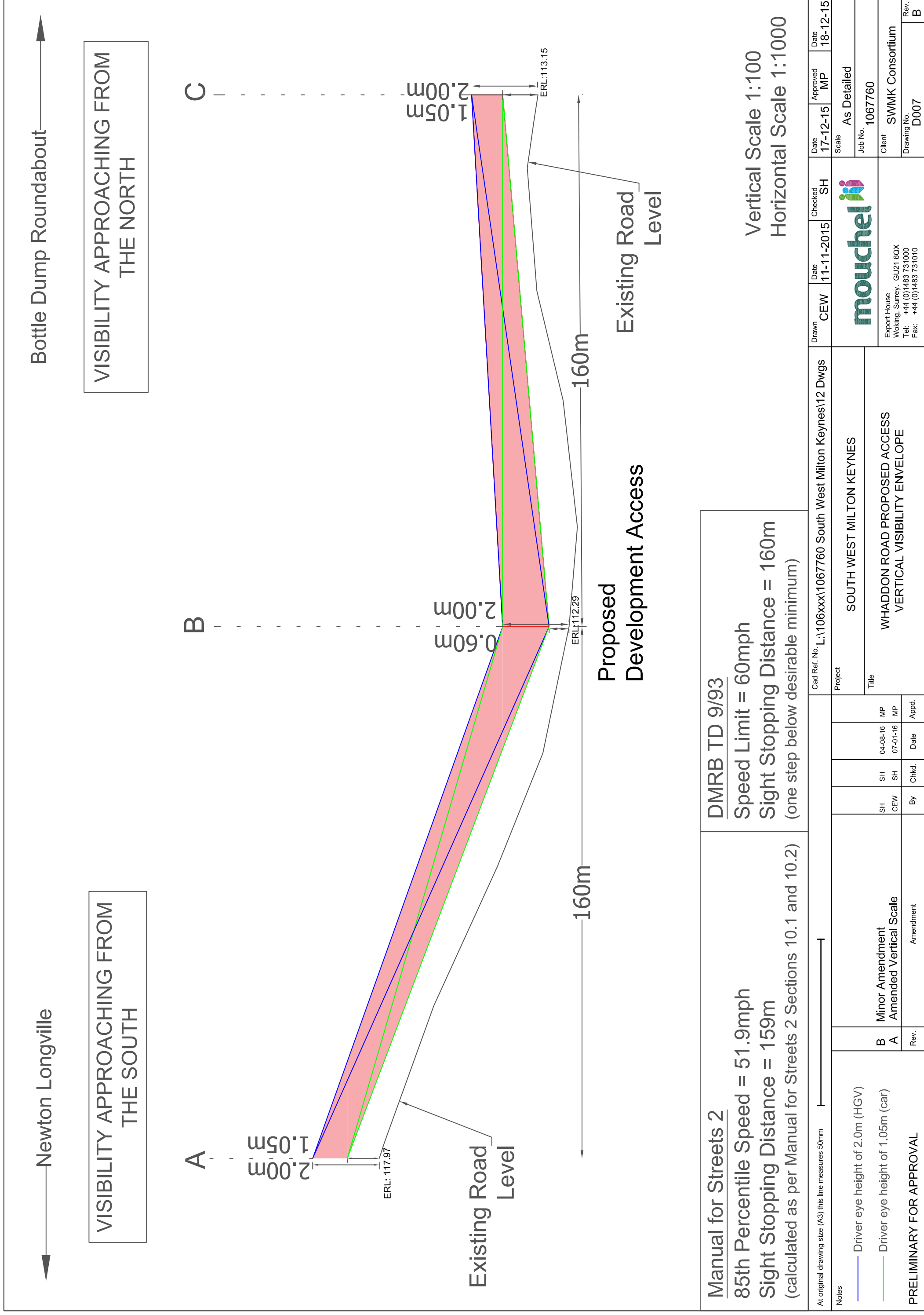
We have used our reasonable endeavours to provide information that is correct and accurate and have discussed above the reasonable conclusions that can be reached on the basis of the information available. Having issued the range of conclusions it is for the client to decide how to proceed with this project.

Appendices

Drawing D007B Whaddon Road Proposed Access - Vertical Visibility Splays

Drawing D014C Whaddon Road Proposed Access - Horizontal Visibility Splays

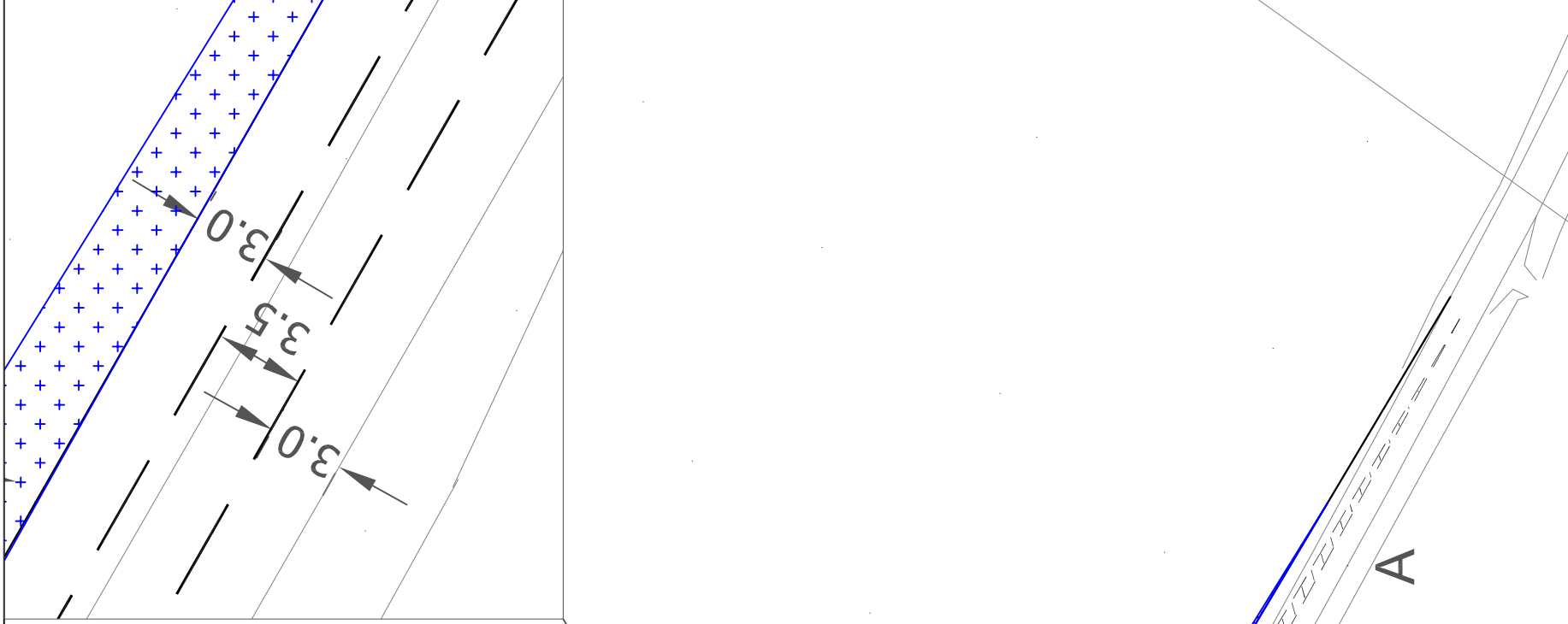
Drawing D019B Whaddon Crossroads Mitigation





85th Percentile Speed = 51.9mph
Sight Stopping Distance = 159m
(calculated as per Manual for Streets 2 Section 4.1.1)
 $SSD = vt + \frac{v^2}{2a}$ (d=0.1a)

DMRB TD 9/93
Speed Limit = 60mph
Design Speed = 100A
Sight Stopping Distance = 160m
(one step below desirable minimum)



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