

## Proposed Residential Development

### Shallcross Foundry, Elnor Lane, Whaley Bridge

WB/13157/TN01 – 03.06.2014

1. SCP is instructed by F Morris and Sons Ltd to investigate and report upon the anticipated transport impacts associated with the proposed redevelopment of Shallcross Foundry, Elnor Lane, Whaley Bridge with 10 dwellings. The application site is accessed via a right of way off Elnor Lane.
2. The limited scale of the redevelopment proposal is such that, based upon reference to the DfT document entitled Guidance on Transport Assessment (GoTA) there is no requirement for any formal transport assessment. This note has been prepared to identify the limited traffic impacts of the proposal and support the access proposals.
3. The application site supports four buildings associated with the foundry. The foundry has operated for over 70 years and is currently vacant. In the past the site has attracted traffic associated with the industrial processes carried out within the foundry. The vehicle types attracted include heavy goods vehicles. The buildings total around 1638sqm and the industry standard TRICS database has been utilised to assess the potential for the existing buildings to attract traffic. Using the Industrial estate category, attached at **Appendix 1**, the existing buildings have the potential to attract 10vph (total two-way) during the morning peak and 6vph (total two-way) during the afternoon peak hour. On a daily basis the existing land use has the potential to attract around 70 movements per day (total two-way).
4. The anticipated level of traffic generation associated with the proposed 10 dwellings has also been assessed using TRICS using the privately owned homes category. The data is attached at **Appendix 2**. During the morning and evening peak highway hours the 10 dwellings would be anticipated to generate 6vph (total two-way) and around 54 movements per day (total two-way).
5. On average the residential scheme would be anticipated to generate 1 additional vehicle per 10 minutes during the peak hours to the access road which cannot be considered to represent a material impact to the access track and this level of increase would be lower than the level of movement that could be associated with the potential reuse of the site for employment purposes.
6. Additionally, the reduction in the potential for the site to attract goods vehicles is a benefit of the scheme.

7. The access to the public highway (Elnor Lane) is via a right of way. The access, based upon the freely available data from the DfT, has operated in a safe manner for at least the last 8 years and as illustrated at drawing **SCP/13157/F01** in **Appendix 3** the access offers suitable levels of visibility onto Elnor Lane in line with the mandatory 30mph speed limit in place along Elnor Lane.
8. It is therefore concluded that the development proposals can be safely accommodated at the site access onto Elnor Lane.

**S|C|P**

## **APPENDIX 1**

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT  
 Category : C - INDUSTRIAL UNIT  
 MULTI-MODAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	HF HERTFORDSHIRE	1 days
	WS WEST SUSSEX	1 days
03	SOUTH WEST	
	BR BRISTOL CITY	1 days
	CW CORNWALL	2 days
	DC DORSET	1 days
04	EAST ANGLIA	
	NF NORFOLK	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
06	WEST MIDLANDS	
	HE HEREFORDSHIRE	1 days
	WM WEST MIDLANDS	1 days
08	NORTH WEST	
	CH CHESHIRE	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

## Filtering Stage 2 selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: Gross floor area  
 Actual Range: 1100 to 43325 (units: sqm)  
 Range Selected by User: 1100 to 43325 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/05 to 24/01/13

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Monday	3 days
Tuesday	1 days
Wednesday	1 days
Thursday	5 days
Friday	1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	11 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

Suburban Area (PPS6 Out of Centre)	3
Edge of Town	7
Free Standing (PPS6 Out of Town)	1

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Industrial Zone	7
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This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Filtering Stage 3 selection:

Use Class:

B1	7 days
B2	3 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 1 mile:

1,000 or Less	1 days
1,001 to 5,000	3 days
5,001 to 10,000	1 days
10,001 to 15,000	3 days
15,001 to 20,000	1 days
25,001 to 50,000	2 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

5,001 to 25,000	1 days
50,001 to 75,000	6 days
125,001 to 250,000	3 days
250,001 to 500,000	1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0	2 days
1.1 to 1.5	8 days
1.6 to 2.0	1 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

Yes	1 days
No	10 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

LIST OF SITES relevant to selection parameters

1	BR-02-C-01 NOVERS HILL BEDMINSTER BRISTOL Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 1100 sqm Survey date: MONDAY 19/10/09	MECH. ENGINEERS	BRISTOL CITY	Survey Type: MANUAL
2	CH-02-C-01 GADBROOK PARK HIGH SHURLACH NORTHWICH Edge of Town Industrial Zone Total Gross floor area: 15000 sqm Survey date: THURSDAY 21/06/07	BAKERY	CHESHIRE	Survey Type: MANUAL
3	CW-02-C-01 WILSON WAY POOL CAMBORNE Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 10200 sqm Survey date: FRIDAY 08/06/07	FOOD DISTRIBUTION	CORNWALL	Survey Type: MANUAL
4	CW-02-C-02 NORMANDY WAY  BODMIN Edge of Town Industrial Zone Total Gross floor area: 17675 sqm Survey date: WEDNESDAY 06/06/07	LIGHTING COMPANY	CORNWALL	Survey Type: MANUAL
5	DC-02-C-07 MERCERY ROAD  WEYMOUTH Edge of Town No Sub Category Total Gross floor area: 5467 sqm Survey date: MONDAY 07/07/08	NEW LOOK	DORSET	Survey Type: MANUAL
6	DS-02-C-01 STUBLEY LANE DRONFIELD NEAR SHEFFIELD Edge of Town No Sub Category Total Gross floor area: 23500 sqm Survey date: THURSDAY 22/06/06	BAKERY	DERBYSHIRE	Survey Type: MANUAL
7	HE-02-C-01 COLLEGE ROAD  HEREFORD Edge of Town Commercial Zone Total Gross floor area: 1880 sqm Survey date: THURSDAY 14/10/10	METAL. COATINGS	HEREFORDSHIRE	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	HF-02-C-01	INDUSTRIAL UNIT	HERTFORDSHIRE
	BRIDGE ROAD EAST		
	WELWYN GARDEN CITY		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	1800 sqm	
	Survey date: THURSDAY	17/07/08	Survey Type: MANUAL
9	NF-02-C-02	GROCERY FACTORY	NORFOLK
	HARDWICK ROAD		
	KINGS LYNN		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	43325 sqm	
	Survey date: MONDAY	19/09/05	Survey Type: MANUAL
10	WM-02-C-03	INDUSTRIAL GLASS	WEST MIDLANDS
	DOWNING STREET		
	SMETHWICK		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	5070 sqm	
	Survey date: TUESDAY	06/11/12	Survey Type: MANUAL
11	WS-02-C-01	AVIATION COMPANY	WEST SUSSEX
	MAYDWELL AVENUE		
	SLINFOLD		
	NEAR HORSHAM		
	Free Standing (PPS6 Out of Town)		
	Out of Town		
	Total Gross floor area:	11375 sqm	
	Survey date: THURSDAY	24/01/13	Survey Type: MANUAL

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

MULTI-MODAL VEHICLES

Calculation factor: 100 sqm

Estimated TRIP rate value per 1683 SQM shown in shaded columns

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS				DEPARTURES				TOTALS			
	No. Days	Ave. GFA	Trip Rate	Estimated Trip Rate	No. Days	Ave. GFA	Trip Rate	Estimated Trip Rate	No. Days	Ave. GFA	Trip Rate	Estimated Trip Rate
00:00 - 00:30												
00:30 - 01:00												
01:00 - 01:30												
01:30 - 02:00												
02:00 - 02:30												
02:30 - 03:00												
03:00 - 03:30												
03:30 - 04:00												
04:00 - 04:30												
04:30 - 05:00												
05:00 - 05:30												
05:30 - 06:00												
06:00 - 06:30	1	11375	0.000	0.000	1	11375	0.000	0.000	1	11375	0.000	0.000
06:30 - 07:00	1	11375	0.018	0.296	1	11375	0.000	0.000	1	11375	0.018	0.296
07:00 - 07:30	11	12399	0.087	1.468	11	12399	0.055	0.925	11	12399	0.142	2.393
07:30 - 08:00	11	12399	0.174	2.924	11	12399	0.030	0.506	11	12399	0.204	3.430
08:00 - 08:30	11	12399	0.305	5.133	11	12399	0.043	0.728	11	12399	0.348	5.861
08:30 - 09:00	11	12399	0.191	3.208	11	12399	0.039	0.654	11	12399	0.230	3.862
09:00 - 09:30	11	12399	0.097	1.629	11	12399	0.046	0.777	11	12399	0.143	2.406
09:30 - 10:00	11	12399	0.063	1.061	11	12399	0.043	0.716	11	12399	0.106	1.777
10:00 - 10:30	11	12399	0.044	0.740	11	12399	0.054	0.901	11	12399	0.098	1.641
10:30 - 11:00	11	12399	0.051	0.864	11	12399	0.043	0.728	11	12399	0.094	1.592
11:00 - 11:30	11	12399	0.040	0.679	11	12399	0.029	0.494	11	12399	0.069	1.173
11:30 - 12:00	11	12399	0.046	0.777	11	12399	0.048	0.814	11	12399	0.094	1.591
12:00 - 12:30	11	12399	0.051	0.851	11	12399	0.072	1.209	11	12399	0.123	2.060
12:30 - 13:00	11	12399	0.062	1.049	11	12399	0.065	1.086	11	12399	0.127	2.135
13:00 - 13:30	11	12399	0.117	1.974	11	12399	0.074	1.246	11	12399	0.191	3.220
13:30 - 14:00	11	12399	0.154	2.591	11	12399	0.078	1.320	11	12399	0.232	3.911
14:00 - 14:30	11	12399	0.077	1.296	11	12399	0.223	3.751	11	12399	0.300	5.047
14:30 - 15:00	11	12399	0.055	0.925	11	12399	0.070	1.172	11	12399	0.125	2.097
15:00 - 15:30	11	12399	0.055	0.925	11	12399	0.078	1.320	11	12399	0.133	2.245
15:30 - 16:00	11	12399	0.058	0.975	11	12399	0.084	1.419	11	12399	0.142	2.394
16:00 - 16:30	11	12399	0.040	0.679	11	12399	0.092	1.542	11	12399	0.132	2.221
16:30 - 17:00	11	12399	0.047	0.790	11	12399	0.161	2.702	11	12399	0.208	3.492
17:00 - 17:30	11	12399	0.024	0.407	11	12399	0.144	2.419	11	12399	0.168	2.826
17:30 - 18:00	11	12399	0.026	0.432	11	12399	0.251	4.220	11	12399	0.277	4.652
18:00 - 18:30	11	12399	0.030	0.506	11	12399	0.115	1.937	11	12399	0.145	2.443
18:30 - 19:00	11	12399	0.037	0.617	11	12399	0.076	1.283	11	12399	0.113	1.900
19:00 - 19:30	1	11375	0.000	0.000	1	11375	0.062	1.036	1	11375	0.062	1.036
19:30 - 20:00	1	11375	0.018	0.296	1	11375	0.062	1.036	1	11375	0.080	1.332
20:00 - 20:30												
20:30 - 21:00												
21:00 - 21:30												
21:30 - 22:00												
22:00 - 22:30												
22:30 - 23:00												
23:00 - 23:30												
23:30 - 24:00												
Total Rates:			1.967	33.092			2.137	35.941			4.104	69.033

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP\*FACT. Trip rates are then rounded to 3 decimal places.



#### Parameter summary

Trip rate parameter range selected:	1100 - 43325 (units: sqm)
Survey date date range:	01/01/05 - 24/01/13
Number of weekdays (Monday-Friday):	11
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

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## **APPENDIX 2**

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL  
 Category : A - HOUSES PRIVATELY OWNED  
 MULTI-MODAL VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	CW CORNWALL	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
	NF NORFOLK	1 days
	SF SUFFOLK	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
	LE LEICESTERSHIRE	1 days
	LN LINCOLNSHIRE	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
	ST STAFFORDSHIRE	1 days
	WK WARWICKSHIRE	1 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
08	NORTH WEST	
	CH CHESHIRE	2 days
	GM GREATER MANCHESTER	1 days
	LC LANCASHIRE	1 days
	MS MERSEYSIDE	1 days
09	NORTH	
	TW TYNE & WEAR	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

## Filtering Stage 2 selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: Number of dwellings  
Actual Range: 6 to 29 (units: )  
Range Selected by User: 6 to 30 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/05 to 07/10/13

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Monday	2 days
Tuesday	7 days
Wednesday	3 days
Thursday	3 days
Friday	4 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	19 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

Edge of Town Centre	2
Suburban Area (PPS6 Out of Centre)	12
Edge of Town	4
Neighbourhood Centre (PPS6 Local Centre)	1

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Residential Zone	18
No Sub Category	1

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

## Filtering Stage 3 selection:

Use Class:

C3	18 days
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This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

## Filtering Stage 3 selection (Cont.):

Population within 1 mile:

1,001 to 5,000	2 days
5,001 to 10,000	5 days
10,001 to 15,000	4 days
15,001 to 20,000	4 days
20,001 to 25,000	2 days
25,001 to 50,000	2 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

5,001 to 25,000	1 days
25,001 to 50,000	2 days
50,001 to 75,000	1 days
75,001 to 100,000	4 days
100,001 to 125,000	2 days
125,001 to 250,000	2 days
250,001 to 500,000	6 days
500,001 or More	1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0	9 days
1.1 to 1.5	9 days
1.6 to 2.0	1 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

No	19 days
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This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

LIST OF SITES relevant to selection parameters

1	CA-03-A-04	DETACHED		CAMBRIDGESHIRE
	THORPE PARK ROAD			
	PETERBOROUGH			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	9		
	Survey date: TUESDAY	18/10/11	Survey Type: MANUAL	
2	CH-03-A-05	DETACHED		CHESHIRE
	SYDNEY ROAD			
	SYDNEY			
	CREWE			
	Edge of Town			
	Residential Zone			
	Total Number of dwellings:	17		
	Survey date: TUESDAY	14/10/08	Survey Type: MANUAL	
3	CH-03-A-08	DETACHED		CHESHIRE
	WHITCHURCH ROAD			
	BOUGHTON HEATH			
	CHESTER			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	11		
	Survey date: TUESDAY	22/05/12	Survey Type: MANUAL	
4	CW-03-A-01	TERRACED		CORNWALL
	ALVERTON ROAD			
	PENZANCE			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	13		
	Survey date: THURSDAY	30/06/05	Survey Type: MANUAL	
5	DS-03-A-01	SEMI D./TERRACED		DERBYSHIRE
	THE AVENUE			
	HOLMESDALE			
	DRONFIELD			
	Neighbourhood Centre (PPS6 Local Centre)			
	Residential Zone			
	Total Number of dwellings:	20		
	Survey date: THURSDAY	22/06/06	Survey Type: MANUAL	
6	GM-03-A-10	DETACHED/SEMI		GREATER MANCHESTER
	BUTT HILL DRIVE			
	PRESTWICH			
	MANCHESTER			
	Edge of Town			
	Residential Zone			
	Total Number of dwellings:	29		
	Survey date: WEDNESDAY	12/10/11	Survey Type: MANUAL	
7	LC-03-A-30	SEMI-DETACHED		LANCASHIRE
	WATSON ROAD			
	BLACKPOOL			
	Edge of Town Centre			
	Residential Zone			
	Total Number of dwellings:	24		
	Survey date: FRIDAY	14/06/13	Survey Type: MANUAL	

LIST OF SITES relevant to selection parameters (Cont.)

8	LE-03-A-01 REDWOOD AVENUE  MELTON MOWBRAY Edge of Town Residential Zone Total Number of dwellings: 11 Survey date: TUESDAY 03/05/05	DETACHED	LEICESTERSHIRE	Survey Type: MANUAL
9	LN-03-A-03 ROOKERY LANE BOULTHAM LINCOLN Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 22 Survey date: TUESDAY 18/09/12	SEMI DETACHED	LINCOLNSHIRE	Survey Type: MANUAL
10	MS-03-A-03 BEMPTON ROAD OTTERSPOOL LIVERPOOL Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 15 Survey date: FRIDAY 21/06/13	DETACHED	MERSEYSIDE	Survey Type: MANUAL
11	NF-03-A-01 YARMOUTH ROAD  CAISTER-ON-SEA Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 27 Survey date: TUESDAY 16/10/12	SEMI DET. & BUNGALOWS	NORFOLK	Survey Type: MANUAL
12	NY-03-A-03 NEW ROW  BOROUGHBRIDGE Edge of Town Centre Residential Zone Total Number of dwellings: 14 Survey date: MONDAY 15/09/08	PRIVATE HOUSING	NORTH YORKSHIRE	Survey Type: MANUAL
13	SF-03-A-04 NORMANSTON DRIVE  LOWESTOFT Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 7 Survey date: TUESDAY 23/10/12	DETACHED & BUNGALOWS	SUFFOLK	Survey Type: MANUAL
14	SH-03-A-03 SOMERBY DRIVE BICTON HEATH SHREWSBURY Edge of Town No Sub Category Total Number of dwellings: 10 Survey date: FRIDAY 26/06/09	DETACHED	SHROPSHIRE	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

15	ST-03-A-05	TERRACED & DETACHED		STAFFORDSHIRE
	WATERMEET GROVE			
	ETRURIA			
	STOKE-ON-TRENT			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	14		
	Survey date: WEDNESDAY	26/11/08		Survey Type: MANUAL
16	TW-03-A-02	SEMI-DETACHED		TYNE & WEAR
	WEST PARK ROAD			
	GATESHEAD			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	16		
	Survey date: MONDAY	07/10/13		Survey Type: MANUAL
17	WK-03-A-01	TERRACED/SEMI/DET.		WARWICKSHIRE
	ARLINGTON AVENUE			
	LEAMINGTON SPA			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	6		
	Survey date: FRIDAY	21/10/11		Survey Type: MANUAL
18	WM-03-A-02	DETACHED & SEMI DET.		WEST MIDLANDS
	HEATH STREET			
	STOURBRIDGE			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	12		
	Survey date: WEDNESDAY	26/04/06		Survey Type: MANUAL
19	WO-03-A-01	DETACHED		WORCESTERSHIRE
	MARLBOROUGH AVENUE			
	ASTON FIELDS			
	BROMSGROVE			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	10		
	Survey date: THURSDAY	23/06/05		Survey Type: MANUAL

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.



TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED  
MULTI-MODAL VEHICLES

Calculation factor: 1 DWELLS

Estimated TRIP rate value per 10 DWELLS shown in shaded columns

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS				DEPARTURES				TOTALS			
	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate	No. Days	Ave. DWELLS	Trip Rate	Estimated Trip Rate
00:00 - 01:00												
01:00 - 02:00												
02:00 - 03:00												
03:00 - 04:00												
04:00 - 05:00												
05:00 - 06:00												
06:00 - 07:00												
07:00 - 08:00	19	15	0.080	0.801	19	15	0.275	2.753	19	15	0.355	3.554
08:00 - 09:00	19	15	0.185	1.847	19	15	0.436	4.355	19	15	0.621	6.202
09:00 - 10:00	19	15	0.146	1.463	19	15	0.213	2.125	19	15	0.359	3.588
10:00 - 11:00	19	15	0.160	1.603	19	15	0.195	1.951	19	15	0.355	3.554
11:00 - 12:00	19	15	0.209	2.091	19	15	0.192	1.916	19	15	0.401	4.007
12:00 - 13:00	19	15	0.202	2.021	19	15	0.206	2.056	19	15	0.408	4.077
13:00 - 14:00	19	15	0.202	2.021	19	15	0.195	1.951	19	15	0.397	3.972
14:00 - 15:00	19	15	0.216	2.160	19	15	0.226	2.265	19	15	0.442	4.425
15:00 - 16:00	19	15	0.258	2.578	19	15	0.199	1.986	19	15	0.457	4.564
16:00 - 17:00	19	15	0.321	3.206	19	15	0.247	2.474	19	15	0.568	5.680
17:00 - 18:00	19	15	0.348	3.484	19	15	0.202	2.021	19	15	0.550	5.505
18:00 - 19:00	19	15	0.244	2.439	19	15	0.167	1.672	19	15	0.411	4.111
19:00 - 20:00												
20:00 - 21:00												
21:00 - 22:00												
22:00 - 23:00												
23:00 - 24:00												
Total Rates:			2.571	25.714			2.753	27.525			5.324	53.239

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP\*FACT. Trip rates are then rounded to 3 decimal places.

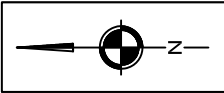
#### Parameter summary

Trip rate parameter range selected: 6 - 29 (units: )  
 Survey date range: 01/01/05 - 07/10/13  
 Number of weekdays (Monday-Friday): 19  
 Number of Saturdays: 0  
 Number of Sundays: 0  
 Surveys manually removed from selection: 0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

**S|C|P**

## **APPENDIX 3**



VIEW ALONG ELNOR LANE, NORTHBOUND



NOTES

REVISIONS

REV	DESCRIPTION	DATE	BY
-	-	-	-

S|C|P

Transportation Planning : Infrastructure Design

2 Mount Street, Manchester, M2 5WQ, Tel 0161 832 4400, Fax 0161 832 5111  
www.scptransport.co.uk, Email info@scptransport.co.uk

Client Name:

F. MORRIS & SONS LTD

Project Title:

SHALLCROSS MILL, ELNOR LANE,  
WHALEY BRIDGE

Drawing Title:

EXISTING ACCESS

Drawn By:	FJT	Date:	08.04.2014
Checked:	WB	Scale:	1:500 @ A3
Status:	PLANNING	Approved/Unapproved:	-

Drawing No.	SCP/13157/F01	Rev.	-
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