

Project Brief for North of Leicester Transport Study

1.1 Introduction

- 1.1.1 Leicester City Council, Leicestershire County Council and Charnwood Borough Council have developed transport evidence to identify impacts and have proposed measures that are required to help deliver each authorities Local Plan.
- 1.1.2 The proposed spatial development strategy of each planning authority concentrates a significant amount of development to the north of Leicester urban area, resulting in a large 'cross boundary' cluster of growth and therefore is a key focus to both authorities' Local Plans. The emerging North of Leicester Transport strategy comprises schemes listed in both the Charnwood and Leicester City Local Plan infrastructure assessment which supports growth in the north of Leicester.
- 1.1.3 The output of the study is to help refine the North of Leicester Transport Strategy
- 1.1.4 Each authority has undertaken transport modelling in support of their Local Plans using the PRTM and has consulted on each step of the process with each other and Leicestershire County Council Highway Authority, Leicester City Highways Authority and National Highways. As such the outputs from the modelling exercises has demonstrated that development is likely to have a cumulative and cross-boundary impact-across the study area.
- 1.1.5 It is important for the project to consider Blaby District Council and Hinckley and Bosworth Borough Council's emerging Local Plans and its cumulative growth. Whilst both of these Plans are not as advanced as Leicester's and Charnwood Local Plan's it is considered that these authorities could become partners once the proposed sites are known. Nevertheless there are potential future development large scale sites / clusters of sites that are likely to have a cumulative and cross boundary impact. Potential sites include:
- Whetstone Golf Course,
 - Whetstone Pasture
 - Large scale employment site at Hinckley and Bosworth.
 - Sites abutting Anstey.

Modelling Work and Evidence to date:

- 1.1.6 Charnwood Borough Council has undertaken a series of transport modelling exercises to assess the impact of 10,263 dwellings and employment land which make up the non-committed development within the local plan. Housing figures have been updated and this shows there is a need for 1,111 new homes a year for the period 2021-2037. This is a total of 17,776 homes. The Local Housing Need for Charnwood has been

calculated using the standard methodology set out in the National Planning Practice Guidance.

- 1.1.7 Leicester City have undertaken a transport modelling assessment with 4,080 non-CDA sites and 4,905 CDA sites as part of the Local Plan growth scenario. In addition, 7,742 dwellings representing the unmet need were distributed to the East and South of Leicester
- 1.1.8 Both authorities have identified transport infrastructure required to support their Plan included in their infrastructure assessment. This is an important foundation for a holistic, cross boundary strategy for dealing with these issues.
- 1.1.9 Appendix 1 lists the indicative sites allocated for housing in the study area. The sites and locations will be confirmed prior to starting the study.
- 1.1.10 The PRTM modelling by both authorities has shown that the main orbital routes to the north of Leicester – the A46 “Leicester Western Bypass” (which is part of the Strategic Road Network – SRN – managed by National Highways) and the A563 “Outer Ring Road” (which is part of the Major Road Network – MRN – comprising the Country’s most important locally-managed roads) are at capacity and that when new demand associated with the growth is added to the network, then traffic on the more minor and ‘cross-country’ roads increases as drivers choose to use less congested routes in preference to these routes.
- 1.1.11 Initial modelling undertaken by National Highways for the A46 supports the assertion that the A46 is at capacity.
- 1.1.12 National Highways are currently modelling the A46 and options for improving the Hobby Horse (A46/A607) junction to provide additional capacity at the junction and relief in Syston.

1.2 Study Area / Remit and inputs

- 1.2.1 We wish to commission a study which assesses the displacement of traffic from the A46 and A563 Outer Ring Road onto local / less appropriate roads. This is due to development in Charnwood and Leicester City as these routes are at capacity. The study needs to consider how the routes interact and which assesses the impact of development in the south of Charnwood and north of Leicester City. The study should aim to quantify the impact and determine measures that could help to accommodate or mitigate the impact.

The study needs to take into account the

- Leicestershire LCWIP
- schemes in the infrastructure list relevant to the study area whose benefits have not previously been modelled
- the TCF schemes as delivered
- Bus Service Improvement Plans

1.3 Study Requirements

- 1.3.1 It is anticipated that the study would be undertaken in two parts.
- 1.3.2 Part A would not require additional PRTM model runs but would involve analysis of existing reports and extraction of further data from the runs already undertaken as part of Charnwood's and Leicester City's respective Local Plan modelling work.

PART A

- Phase 1: To define the study area and understand patterns of movements associated with new development traffic and traffic that has been displaced.
- Phase 2: To identify routes/corridors etc where there might be impacts and quantifying the potential increase in volume of trips on highways network. Agreement from partners will be required on what constitutes inappropriate routing. This may include safety, capacity, air quality.
- Phase 3: Further analysis and the provision of more granular evidence to inform future modelling work. For example, the propensity for future levels of vehicular trip reduction within the city and to understand potential walking and cycling within certain areas (see SPG Stage 1B Iteration 2 Modelling presentation slide as an example which will be provided).
- Phase 4: To identify measures to accommodate or mitigate any impacts identified. It is anticipated that these measures would prioritise those interventions that encourage sustainable travel including bus services, bus priorities, walk and cycling measures that reduce demand on the highways network. Only then would measures to mitigate or accommodate the increased demand be considered.

PART B

- Phase 5: Further modelling to test the mitigation. This stage would also require cost estimates to deliver mitigation schemes. This would support any future funding applications for bids that are too costly to fund solely through developer contributions.

- 1.3.3 The outputs of the work would provide evidence to inform the North of Leicester Transport Strategy and the proposed Developer Contributions SPD.
- 1.3.4 A project proposal is required which sets out how this task would be undertaken.
- 1.3.5 The proposal should set out the objectives, tasks, outputs and outcomes from each phase together with an estimated timescale and budgetary estimate.
- 1.3.6 We anticipate that the study would be undertaken in two parts, with the outputs from each phase informing the detailed specification and refinement and objectives of the following stage.

1.4 Timescales

- 1.4.1 Part A: six months
- 1.4.2 Part B: this will be dependent on the results of Part A.

1.5 Appendix 1

Table 1: List of Charnwood Borough Council proposed sites within the study area.

Policy Ref (CBC Local Plan)	Site Name	Location	Number of Homes
HA1	Land South East of Syston	Syston	960
HA2	Barkby Road	Syston	270
HA3	Land north of Barkby Road	Syston	195
HA4	Queniborough Lodge	Syston	132
HA5	Land at Melton Road	Syston	31
HA6	Brook Street	Syston	15
HA7	Land off Barkby Thorpe Lane	Thurmaston	105
HA8	Woodgate Nurseries, Barkby Lane	Thurmaston	39
HA9	Works opposite 46 Brooks Street	Thurmaston	7
HA10	Work adjacent 46 Brook Street	Thurmaston	5
HA11	Rear of Manor Medical Centre, Melton Road	Thurmaston	20
HA12	Land at Gynsill Lane and Anstey Lane	Glenfield	260
HA13	Park View Nursery Site off Gynsill Lane	Glenfield	30
HA14	Land off Cliffe Road / Henson Close	Birstall	35
HA43	Land west of Anstey	Anstey	600
HA44	Fairhaven Farm	Anstey	47
HA59	Land to rear of Derry's Garden Centre	Cossington	124
HA60	Land off Melton Road	East Goscote	223
HA64	Land at Threeways Farm	Queniborough	100
HA65	Land off Melton Road	Queniborough	55
HA69	The former Rectory and Land at Thurcaston	Thurcaston	31
TOTAL			3284

Table 2: List of Leicester City Council's list of proposed sites within the study area

Site number	Site name	Reg 19 capacities
262 and 579	Ashton Green East	670 plus employment
261	Land North of A46	420
687	Thurcaston Road/Hadrian Road	N/A – employment
1001	Phillips Crescent	5
589	Land to east of Beaumont Leys Lane	34
464	Beaumont Park	N/A – employment
569	Krefeld Way/Darenth Drive Open Space	33
309, 718 & 1054	Land west of Anstey Lane	336
702	Western Park Golf Course	412 plus employment
	Total	1498

