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| <b>SPEED LIMIT ASSESSMENT</b>                 | <br><b>Cheshire West<br/>and Chester</b> |
| <b>SITE 207: Broomheath Lane, Cross Lanes</b> |  |

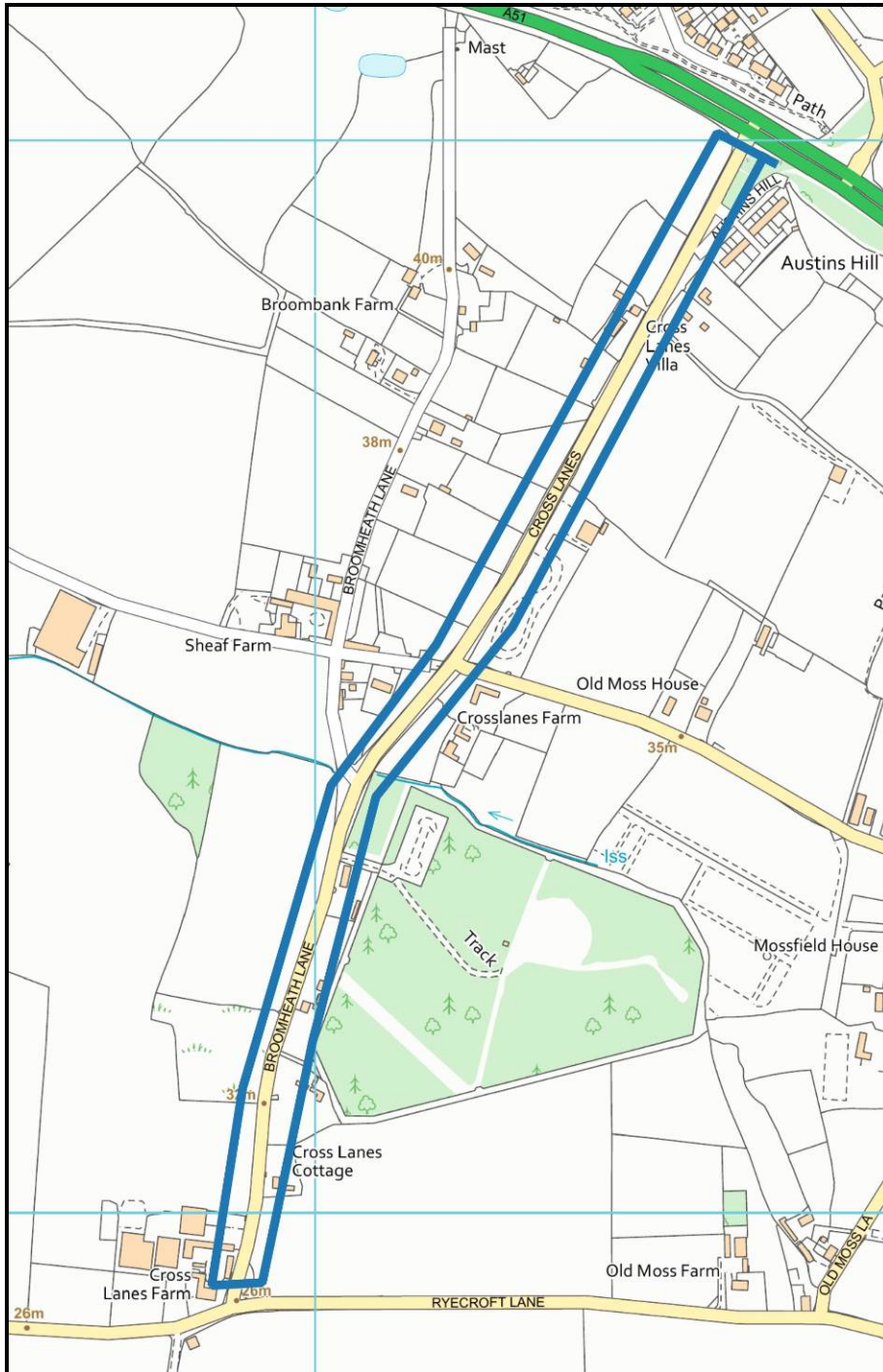
|                         |   |
|-------------------------|---|
| Report Produced for:    | Cheshire West & Chester Council,<br>Highways Commissioning<br>Guilden Sutton  |
| Report Produced by:     | Engineer Road Safety<br>Cheshire West & Chester Council,<br>Highways Commissioning<br>Northern Lights Business Park,<br>Rossfield Road, Ellesmere Port CH65 3AW |
| Terms of Reference      | DfT Circular 01/2013 Setting Local Speed Limits.<br>TAL 01/04 Village Speed Limits.   |
| Promoters of Assessment | Tarvin Parish Council   |
| Roads Assessed          | Broomheath Lane<br>Cross Lanes  |
| Date of Report          | 15 April 2020   |

## 1. Background

- 1.1** Following complaints about traffic speeds and flow, Tarvin Parish Council requested a speed limit assessment on a 490m section Broomheath Lane between Ryecroft Lane and the junction of Broomheath and Cross Lanes.
- 1.2** The section is part of a continuous route between Ryecroft Lane and A51. The recommended minimum length of a speed limit along a route is 600m. For consistency, Cross Lanes has been included in the assessment.

## 2. Routes Assessed

- 2.1** Broomheath Lane from Ryecroft Lane to merge with Cross Lanes.
- 2.2** Cross Lanes.
- 2.3** Location plan:



### 3. Description / Character of route

3.1 Broomheath Lane is a lower quality rural road with few bends and accesses; a through route function.

3.2 Cross Lanes is a higher quality rural road with few accesses and some junctions; a through route function.

### 4. Data

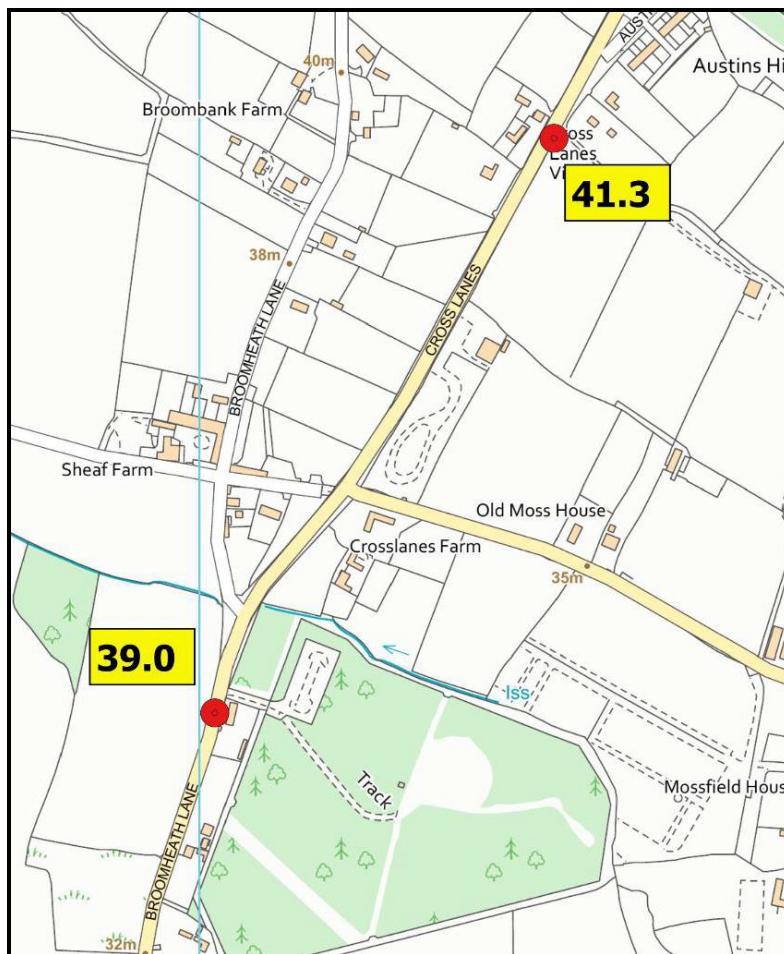
4.1 Table of relevant data for the different sections.

| Section         | Section Length (m) | Property Density (per 600m) | Number of injury collisions over 3 years | Mean Speed (mph) |
|-----------------|--------------------|-----------------------------|--|------------------|
| Broomheath Lane | 490                | 6                           | 0  | 39.0             |
| Cross Lanes     | 700                | 4                           | 0  | 41.3             |

4.2 Table showing indicative appropriate speed limit based on data collected.

| Section         | Indicative appropriate speed limit based on: |                  |            |
|-----------------|--|------------------|------------|
|                 | Character of section                         | Property density | Mean speed |
| Broomheath Lane | 50   | 50+              | 40         |
| Cross Lanes     | 60   | 50+              | 40/50      |

4.3 Location of monitoring points showing mean speeds.



5. Collisions.

5.1 Collision data from February 2017 to January 2020; there were no recorded injury collisions.

## 6. Initial Recommendations

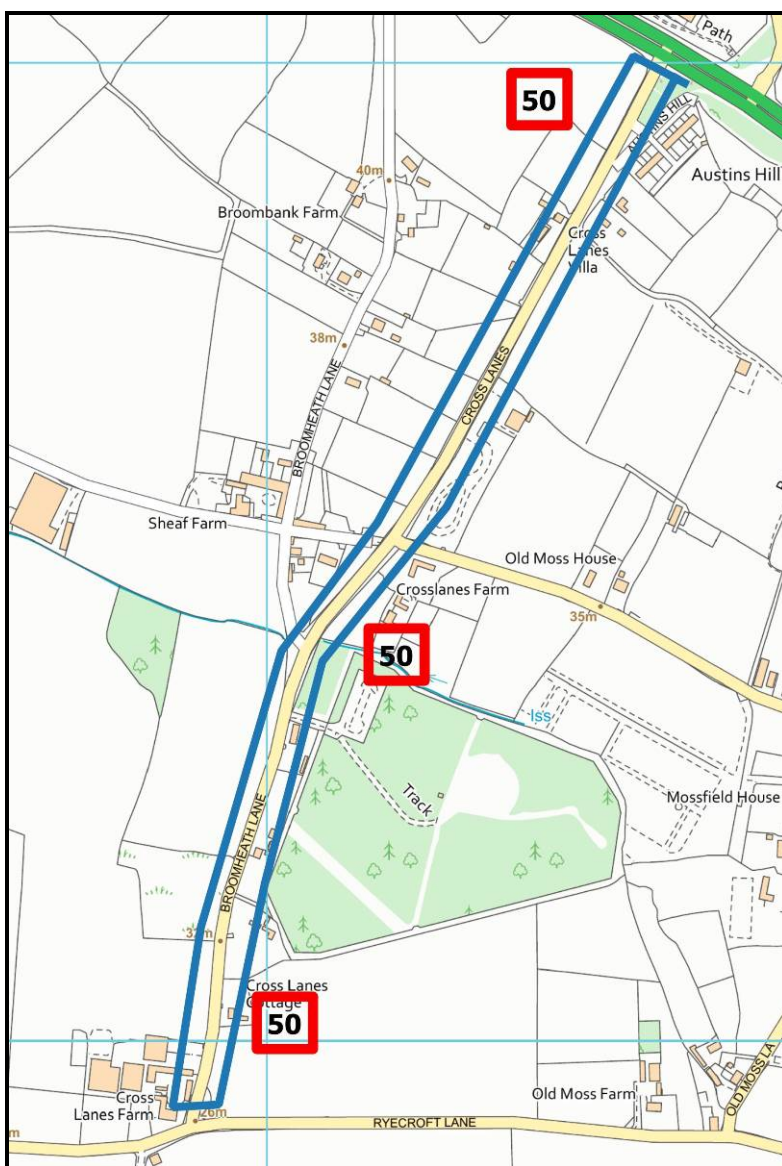
6.1 The recommendations are based on criteria in Section 7 'Rural Speed Management' and paragraph 133 of the DfT Circular 01/2013 Setting Local Speed Limits.

6.2 Based on the evidence presented, the following speed limits are recommended.

6.2.1 Broomheath Lane – 50 mph.

6.2.2 Cross Lanes – 50 mph

6.3 Plan showing location of the initial recommended 50 mph speed limit:



## **7. Validation**

- 7.1** Validation assesses the recommendations of section 6 to ensure consistency and to determine the final recommendations.
- 7.2** Broomheath Lane and Cross Lane forms part of a key route along with Rycroft Lane and Guy Lane between Waverton and the A51 at Tarvin and Duddon. The speed limit on Guy Lane is due to be reduced to 50 mph.
- 7.3** The initial recommendation would result in inconsistent speed limits (50/60/50 mph) along a key route that has similar characteristics and function.
- 7.4** Ideally all roads especially through routes within the area should be assessed and implemented at the same time to provide a consistent approach. Rycroft Road between the proposed 50 mph speed limit on Guy Lane to Broomheath Lane and through to the A51 at Duddon will remain de-restricted.
- 7.5** The validation team recommend that Rycroft Lane should be assessed and any recommendations should be implemented alongside the initial recommendations in Section 6.
- 7.6** The validation team agree with the recommendations in section 6.2 and 7.5.

## **8. Final recommendations.**

- 8.1** Broomheath Lane – 50 mph
- 8.2** Cross Lanes – 50 mph
- 8.3** Rycroft Lane from A51 at Duddon to the proposed 50 mph on Guy Lane should be assessed prior to implementation to ensure consistency along the key routes in the local area.

## **9. Cheshire Police comments.**

Cheshire Police do not object to the recommendations in Section 8.

## **10. Validation team.**

|                  |            |
|------------------|------------|
| Date             | 23/03/2020 |
| Location/ Method | Via email  |