Peak East VIP Project (Application No. 2019/1013) Planning Condition Discharge BMBC12: Road Condition Surveys

Introduction

This document describes the measures that will be implemented during the construction works for the Peak District East VIP scheme relating to the inspection and road condition surveys of the existing highway to ensure highway safety is always maintained.

Planning Condition

"No development shall take place until a survey of the condition of the adopted highway condition to be used by construction traffic has been submitted to and approved in writing by the LPA. The extent of the area to be surveyed must be agreed by the LHA prior to the survey being undertaken. Additional interim surveys to be agreed prior to commencement of works (quantum dependant on project start date) and are initially expected to be required at approximately 4 monthly intervals and include both the start at end of the winter season (dependant on project start). Final survey to be undertaken on completion of the development. Each survey must consist of:

A plan to a scale of 1:1250 showing the location of all defects identified

A written and photographic record of all defects with the corresponding location references accompanied by a description of the extent of the assessed area and a record of the date, time and weather conditions at the time of survey.

Each survey is required to identify defects to the adopted highway attributable to the traffic associated with the development. It shall be submitted for the written approval of the Local Planning Authority. Any necessary remedial works shall be completed at the developer's expense in accordance with a scheme to be agreed in writing by the Local Planning Authority. Reason: To ensure that any damage to the adopted highway sustained throughout the development process is identified and subsequently remedied at the expense of the developer.

Reason: In the interests of highway safety and Local Plan Policy T4."

Extent of Condition Survey

Morgan Sindall has been in communication with BMBC Senior Highway Engineer regarding the scheme and carried out a joint site visit on the 14th October 2020. All access points were reviewed, and the extents of the road condition surveys were determined.

The proposed works require six access points off the main carriageway at various points along Windle Edge and Brook Hill Lane. See figure 1 below.

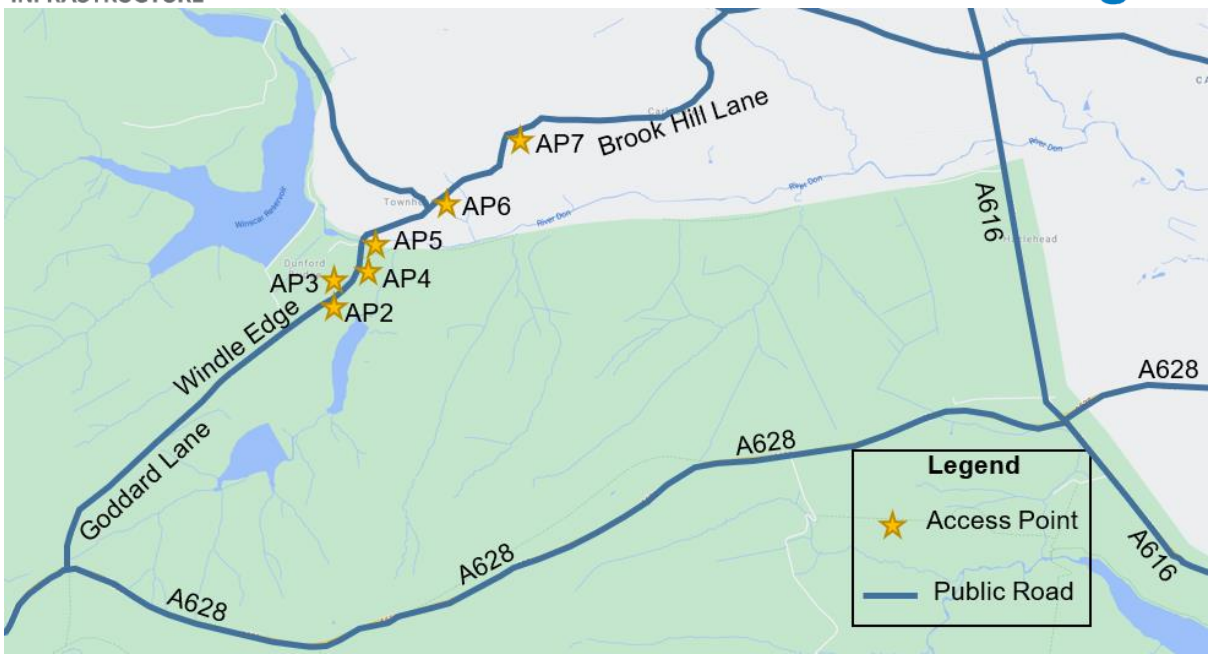


Figure 1 – Access Point Locations

It was agreed on site that there would be three sections of carriageway that would be subject to a condition survey being carried out. The first would extend from 100m west of AP02 and extend to 100m east of AP05, see Figure 2 below. The second survey area would extend 100m either side of AP06 and the third would extend 100m either side of AP07, see figure 3 below.

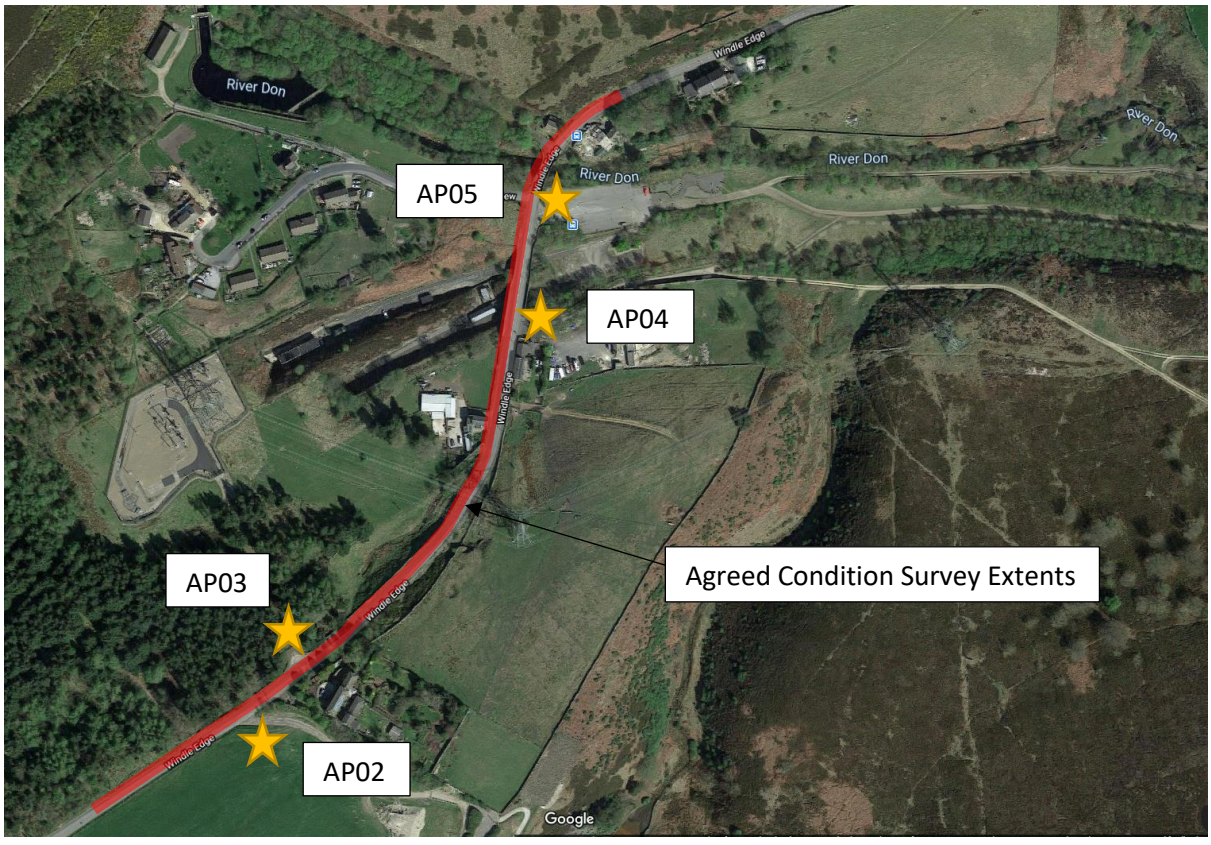


Figure 2 – Road Condition Survey - Area 1

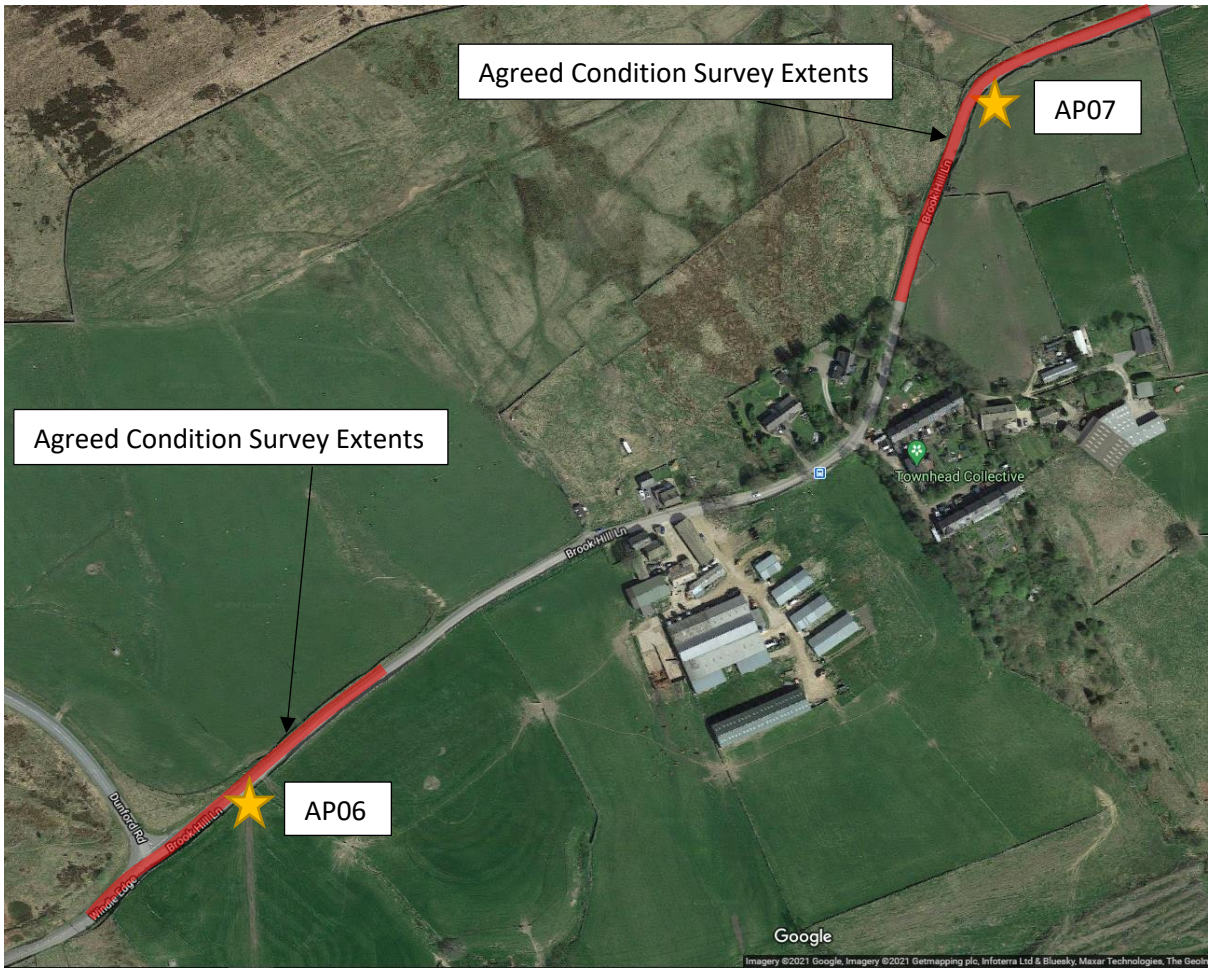


Figure 3 – Road Condition Survey - Area 2

Frequency of Surveys

Following communication between all parties the scheduled visits for 2021 have been confirmed as per the table below. The frequency of inspections post 2021 have been assumed as every 4 months, however as agreed with BMBC this will be reviewed and depending on the carriageway condition, the inspections could be less frequent.

Survey Number	Proposed Date	Comments
Initial Survey	February 2021	Pre-construction survey
Survey 2	May 2021	Following BMBC re-surfacing of the Access points AP05, AP06 & AP07 and prior to main construction works commencing
Survey 3	November 2021	Interim Survey
Survey 4	March 2022	Interim Survey
Survey 5	July 2022	Interim Survey
Survey 6	November 2022	Interim Survey
Survey 7	March 2023	Post-construction survey

Following the initial site visit that was carried out in October 2020 there is a requirement that the local carriageway shall be re-surfaced at AP06 & AP07 and the entrance into the car park at AP05. These works are programmed to commence in April 2021 and shall be carried out by BMBC. As a result, the initial road condition survey will omit these areas as they will be re-surfaced and the initial findings be obsolete.

Outcomes from Each Survey

During each condition survey, Morgan Sindall shall have an engineer in attendance. Any issues, signs of damage or worsening of the road condition as part of the main scheme of works shall be agreed and the extents surveyed using a GPS unit. Photographs of the issue shall be taken, and a description shall be written down along with any measurements that may be required.

Following the survey Morgan Sindall shall arrange for the survey information, recorded on the GPS unit, to be downloaded and placed upon a drawing that already has the existing road alignment information on it. This will quickly allow the reviewer to compare against previous surveys to see if the issues are getting worse or remain constant.

This drawing shall be issued at the required scale of 1:1250 and be annotated to identify the main points of concern, should there be any.

A summary report shall also accompany each survey drawing, this shall include all the requested information following each inspection. As a minimum this report will contain a description of defects identified and have supplementary photographs of the agreed issues / surrounding area identified during the visit. Each photo shall be numbered, dated, time stamped and be referenced as to the location. The weather shall also be referenced to provide a detailed record of the conditions during the inspection.

Conclusion

The condition survey for the highway shall be carried out at regular intervals and comprehensive records shall be taken and submitted to the council for review and information. Should there be a significant deterioration in the road condition throughout the works then repairs will be discussed and agreed with BMBC. This will include any traffic management, road notices and licences required.

Summary document of first survey visit: **18/02/2021**

Attendees – Morgan Sindall: Dave Swan, Thomas Cimatti; Barnsley Council: Lee Francis

AP02 / AP03 AREA

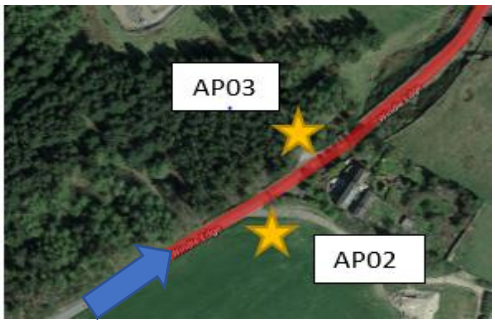
WEATHER: DRY OVERCAST











The photos above have been taken looking north east down the hill on Windle edge towards Dunford bridge car park entrance. The accesses to AP02 and AP03 have extensive damage and deterioration apparent. The extent of the damage is mainly on the road edges with some smaller cracks and potholes along the road.

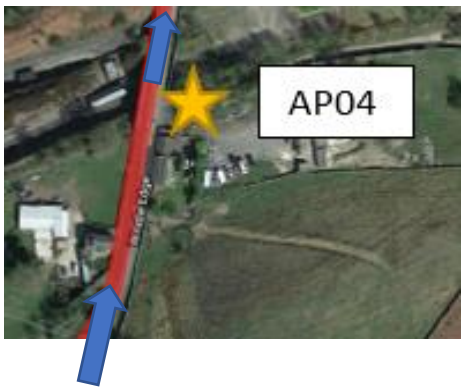
AP04 AREA

WEATHER: DRY OVERCAST









The photos shown above are looking north down the hill on Windle edge towards Dunford bridge car park and looking up the hill on Windle edge. There is some deterioration and fatigue cracking to the road in the area which is shown on the pictures above.

AP05 AREA

WEATHER: DRY OVERCAST





The photos shown above are looking north east past the access point 05 and straight into the Dunford bridge car park. Also on top of the bridge looking south west on Windle edge. There are quite a few potholes and some deterioration to the road in the area. The damage is quite extensive at the access to Dunford bridge car park.

AP06 AREA

WEATHER: DRY OVERCAST









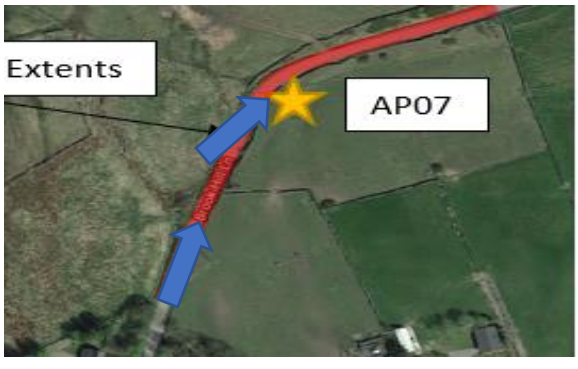


These photos are looking north east on Windle edge / Brook Hill Lane. There are some small potholes and some longitudinal cracking with some extensive deterioration along the road which is mainly in the centre of the road.

AP07 AREA

WEATHER: DRY OVERCAST





The photos shown above are looking north east / east on Brook Hill Lane. There is some longitudinal cracking and some alligator cracking around the access to AP07 with some small potholes along the road.

Appendix 1 –

16866-MSE-0608-XX-DR-X-080002-A Road Condition Survey Drawing showing all defect point locations surveyed on the 18th February 2021

Appendix 2 –

GPS co-ordinates by area (see spreadsheet 'Road condition coordinates')

Appendix 3 –

Photos by area (sent by WeTransfer to Lee Francis (Highways)

Area	Photos
1	Images 0447 to 0467
2	Images 0468 to 0516
3	Images 0517 to 0547
4	Images 0548 to 0595
5	Images 0596 to 0631
AP06	Images 0632 to 0695
AP07	Images 0780 to 0846