



Open Report on behalf of Andy Gutherson - Executive Director - Place

Report to:	Planning and Regulation Committee
Date:	1 November 2021
Subject:	North Greetwell A158 - Proposed Puffin Crossing Facility

Summary:

This report considers the outcome of a pedestrian crossing survey carried out following a request for a crossing facility in the vicinity of the petrol station, as shown at Appendix B.

Recommendation(s):

That the Committee considers the criteria set out in the Pedestrian Crossing Policy and supports the submission of a funding bid for the feasibility study, design and installation of a Puffin crossing at this location.

Background

A request for crossing facility on the A158 within North Greetwell has been put forward by the Parish Council. The A158 passes directly through the village and carries an annual average daily traffic flow of 18851 vehicles, 6% of which are HGVs. A 40mph speed limit is in force through the village.

A petrol station is situated on the north side of the A158 and provides a shop which is well used by the local population, many visiting on foot. However as can be seen at Appendix B virtually all residents of the village live to the south of the Main Road and it is therefore necessary to cross over to access the shop. Heavy traffic flow can lead to long waits for an opportunity to cross, which can discourage people from making the trip. As an additional benefit residents believe that the temporary stop to traffic flow whilst the crossing is in use would assist in safe exit for vehicles leaving the petrol station.

Initial assessment of the area identified a suitable potential crossing location just to the east of the garage exit point and a pedestrian crossing survey took place here on 4th March 2020.

Data on the numbers of pedestrians crossing the road, traffic flows and several other factors are applied to the PV²ASCW calculation and this produced a score of 0.96. Table 1 shown below, extracted from the Pedestrian Crossing Policy document, indicates that this meets the threshold required for a Zebra crossing facility.

Table 1

Crossing Type	PV ² ASCW greater than (1 X 10 ⁸)	Crossing facility not to be used if speed limit is greater than:	Crossing facility not to be used if traffic flow greater than:
Pedestrian Refuge	0.5	60 mph	Not applicable
Zebra Crossing	0.8	30 mph	500 vehicles per hour
Signal Controlled Crossing	1.2	50 mph	Not applicable
NOTE: The threshold for dual carriageways is increased by 100%			

However a road safety audit on a facility at this location identified a potential hazard posed by the proximity of vehicles joining the highway from the garage forecourt, so this location has been deemed unsuitable. The extent of the survey allows consideration of an alternative location further west as indicated at Appendix B. A further Stage 1 Road Safety Audit has been carried out here and no safety audit concerns were identified so the intention is to pursue a crossing facility at this point. One personal injury collision has been recorded in this area during the last three years, which involved a motorcyclist and a pedestrian.

Owing to the high traffic flow on the A158 and speed limit greater than 30mph, the installation of a Zebra crossing is precluded by the policy. Approval will therefore be required from this Committee to upgrade the facility to a Puffin crossing.

The cost to install a Puffin crossing is estimated at £90,000, with an additional £10,000 required for a feasibility study and scheme design.

Conclusion

The policy enables some flexibility in terms of scheme selection and in the case of this site approval will be required from this Committee in order to progress a Puffin crossing at this location on the basis of site constraints.

Consultation

The local Member has been informed of this proposal and is in support.

a) Risks and Impact Analysis

None carried out

Appendices

These are listed below and attached at the back of the report	
Appendix A	Site location
Appendix B	Detailed location plan

This report was written by Jeanne Gibson, Programme Leader - Minor Works & Traffic, who can be contacted on 01522 782070 or jeanne.gibson@lincolnshire.gov.uk.