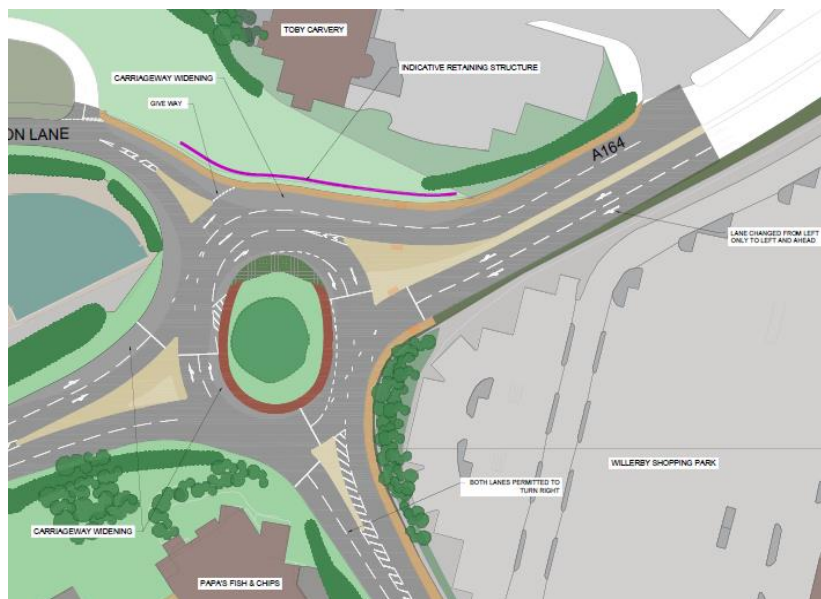


# **A164/B1232 Willerby Roundabout Improvement Scheme Proposals**

## ***What does the scheme aim to do?***

Extensive computer modelling predicts an overall junction capacity increase of around 30%. This is expected to reduce queuing and delays particularly on the worst affected B1232 entry from Willerby. Please view the animated simulation of how the junction is predicted to operate, which is being shown on the TV display.



## ***How do the benefits arise?***

The proposed design allows both Willerby approach lanes to turn right onto the A164 eastbound. Traffic signals with queue detection equipment and computer control will ensure the junction operates in a balanced manner. Additionally, both westbound lanes on the A164 will be available for straight head traffic, and an internal turn lane is included for right turners from the A164 eastbound.



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# AI64/BI232 Willerby Roundabout Improvement Scheme Proposals

## ***Were any other options considered?***

A study analysed the performance of 7 affordable options which included lane reallocations, traffic signal “gating” on the A164 westbound, part time signal control, an enlarged roundabout, 2 signal-controlled crossroads designs and the current chosen signalised roundabout design. All options are restricted by the constrained nature of the site. The chosen option is predicted to outperform other investigated options by a significant margin.

## ***What are the limitations of the scheme?***

Should traffic continue to grow as predicted pre-pandemic, the junction remains likely to become congested in the future as traffic volumes continue to increase, although to a much lesser extent. This is largely because some of the additional capacity generated by the scheme is already taken up as the junction is presently operating over capacity.



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# **AI64/BI232 Willerby Roundabout Improvement** **Scheme Proposals**

## ***When is the scheme likely to be constructed?***

Provided that land can be acquired in time the scheme is expected to start in January 2022. Construction is expected to take around 8 months, including a 2 month period for statutory undertakers' diversions.



## ***Will the construction work cause congestion?***

Temporary traffic signals will only be permitted at night. During the day a minimum of 1 lane in each direction will be maintained except on Albion Lane where night time closures are likely to be required. However, even with these construction conditions, some delays and disruption can be expected.

## ***Is there a longer term solution?***

In the long term a more substantial scheme is likely to be required which will take many years to progress. The Council intends to commence a study later this year to investigate possible longer term solutions and will seek funding sources in the future should a scheme prove viable.



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