

Monkston Roundabout Improvements.

Highway Major Projects & Development Management (Adoptions)

Location Plan

Milton Keynes City Council



Milton Keynes City Council

Background

The scheme will provide additional junction capacity to absorb the impact of the eastern expansion of the City and facilitate continuing growth.

Through maintaining steady traffic flow through this junction into the future, the scheme will help Milton Keynes develop in line with its City Plan, which plans for the creation of new homes and jobs in period to 2050.

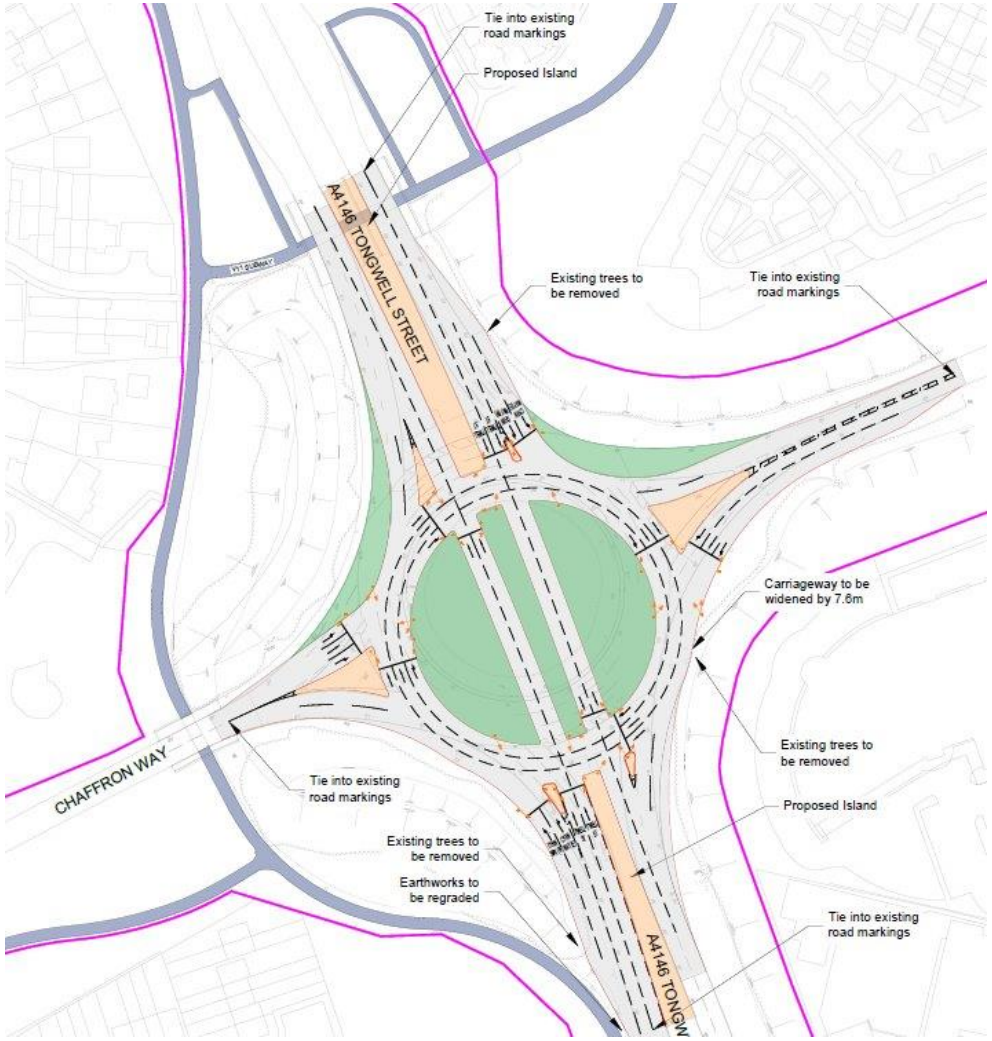
The scheme will improve the access to the eastern area of Milton Keynes to accommodate opportunities for further development. By reducing potential for congestion issues, the project will enable continued movement and give the development industry and business community the opportunities to sustain growth.

The scheme is targeted to address adequate capacity to accommodate future forecast growth in the area to help satisfy future development aspirations.

Monkston Roundabout Hamburger Proposal

Milton Keynes City Council





Outline Programme

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ENABLING WORKS **October - November 2026** (approx. **4** weeks)
Under **TEMPORARY TRAFFIC MANAGEMENT** with lane closures and will include:

- Trial holes
- Utilities diversions
- Drainage remedial works

MAIN WORKS **January to Summer 2027** (approx. **6** months)
Under **FULL ROAD CLOSURE** and will include:

- Site clearance
- Replacement of existing lighting columns
- Carriageway surfacing
- Construction of a new “Hamburger” roundabout
- Installation of new traffic signals, signs and road markings
- Landscaping and ancillaries' work



TM Options Overview

Milton Keynes City Council

	Option 1	Option 2
Description	Full roundabout closure for the duration of the main construction works.	Partial roundabout closure – various construction phases with directional closures to allow traffic to pass through roundabout.
Programme Duration (Construction Phase only) (weeks)	24	36
Cost savings	25%	0%
Advantages	• Shorter construction programme • Less time impacting the road network • Allows flexibility of the construction programme with no constraints, providing contingency if issues are encountered • Reduced number of night shift working to complete activities such as duct road crossings and surfacing	• No full road closure required, directional closures only
Disadvantages	• Full road closure could cause disruption to the road network – temporary crossings have been incorporated in the TM design to maintain access toa adjacent properties/businesses.	• Longer programme duration • Increased prelim costs • Higher traffic management costs to accommodate live traffic through the worksite • Less flexibility in programme • Increased number of joints in surfacing due to phasing of works, leading to a higher risk of surfacing defects
Reasons for increase in budget for Option 2		• Additional prelim costs due to longer programme duration • Additional TM costs due to longer duration and requirements for maintaining traffic flows through the worksite • Additional surfacing costs and temporary arrangements to accommodate multiple visits • Multiple compound relocations for different phases

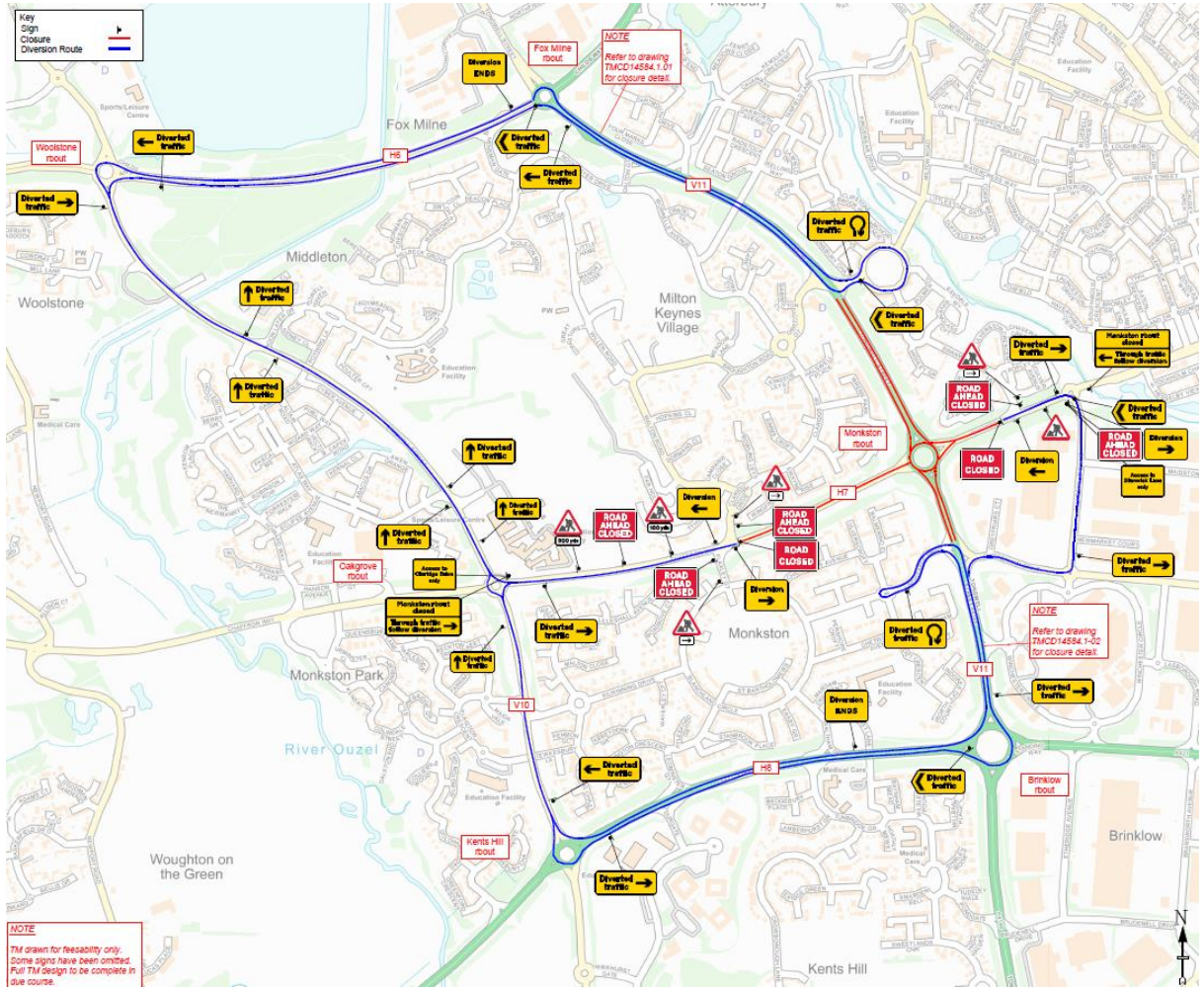
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Traffic Management Full Road Closure

Bus services along V11 will be temporarily diverted or suspended during some phases of the works. Bus stop suspensions will be posted onsite, and on the Council's webpage

Construction traffic will access the site via designated routes and will not use local residential roads

Diversion routes will be in place for the duration of the works







How will the project be managed?

All works will be carried out Monday – Friday 8-6pm, minor essential works may be carried on some Saturday mornings

MKCC Project Manager will co-ordinate all activities to ensure the project is delivered as approved with minimum disruption to the area

MKCC New Engineering Contract Site Supervisor will oversee the site works on a daily basis

The Project Manager & Site Supervisor will attend site on a regular basis and will be contactable to address any site or construction concerns

The main highways contractor will manage the site operations with a full-time Site Agent

Monkston Traffic Visualisation

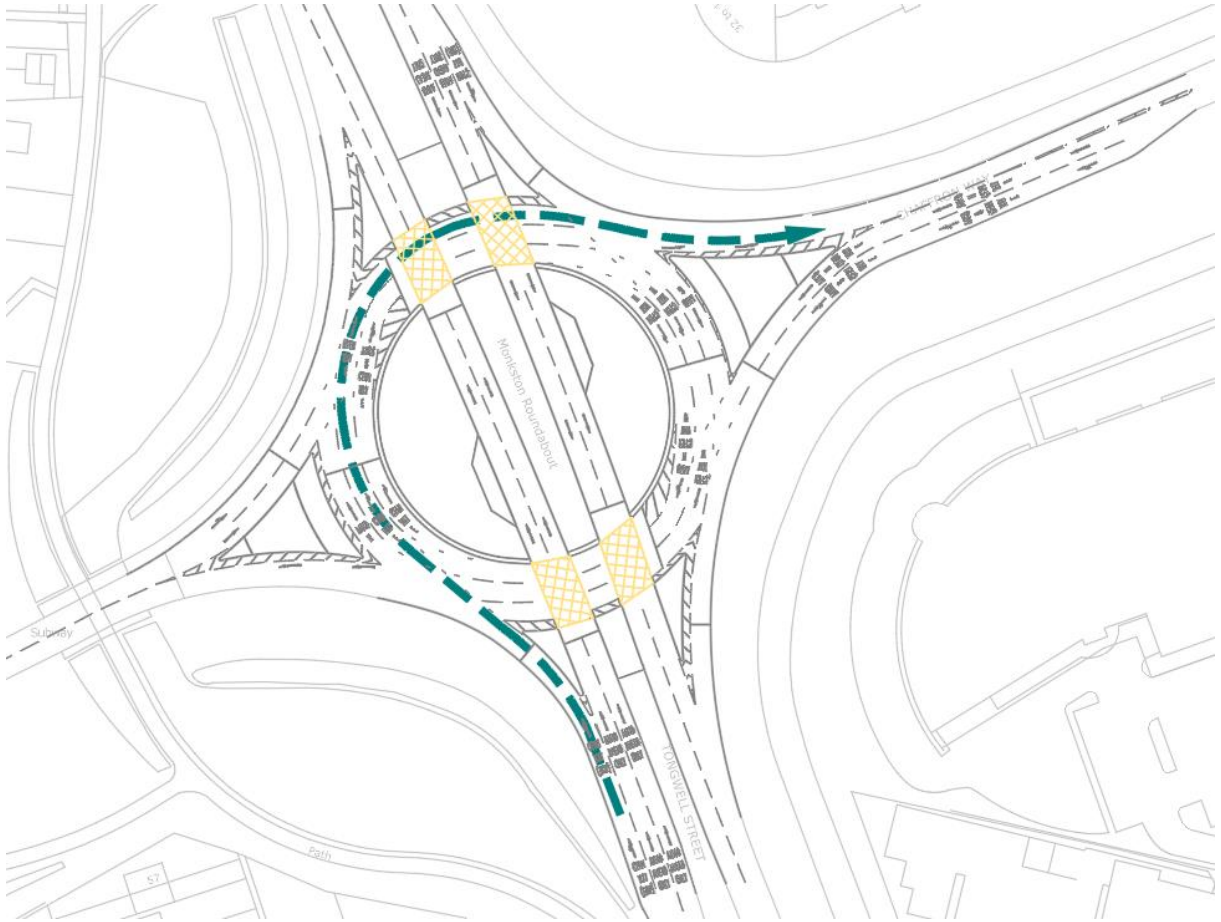
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- The road that passes through the center allows straight-ahead traffic to travel directly through the junction without having to circulate around the roundabout. Unlike a conventional roundabout, the lane arrangements on the V11 approaches will change.

- Vehicles turning **right** will need to approach in the **left**-hand lane and follow the road markings around the roundabout.

- The roundabout will be controlled by traffic signals, which will direct vehicles either through the center of the roundabout or around it, depending on their destination.

- To see how this type of roundabout will work, view our traffic modelling videos on YouTube





Milton Keynes City Council

Video Link to:

Monkston - Traffic Modelling Video

Monkston Traffic Modelling Video – close up



Please watch the whole video to understand how the improved Monkston Roundabout will work

Any Questions?

