

Stryd Tudor Tudor Street



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CARDIFF COUNCIL PUBLIC CONSULTATION

Tudor Street Business Environment and Transport Improvement Scheme

Cardiff Council are developing proposals for improvements to public realm and transport in Tudor Street

The proposals include:

- A new bi-directional segregated cycle lane from Wood Street Bridge to junction with Clare Street;
- Proposed bus island opposite Plantagenet Street, facilitating bus travel into Central Square and wider city centre;
- Enhanced green infrastructure;
- Uplifted street environment with new paving, street furniture and lighting.

How to respond

Full details, including scheme drawings and how to respond, are available in the consultation pack, which is available online at Cardiff.gov.uk/transportprojects or can be requested by email to tudorstreet@cardiff.gov.uk

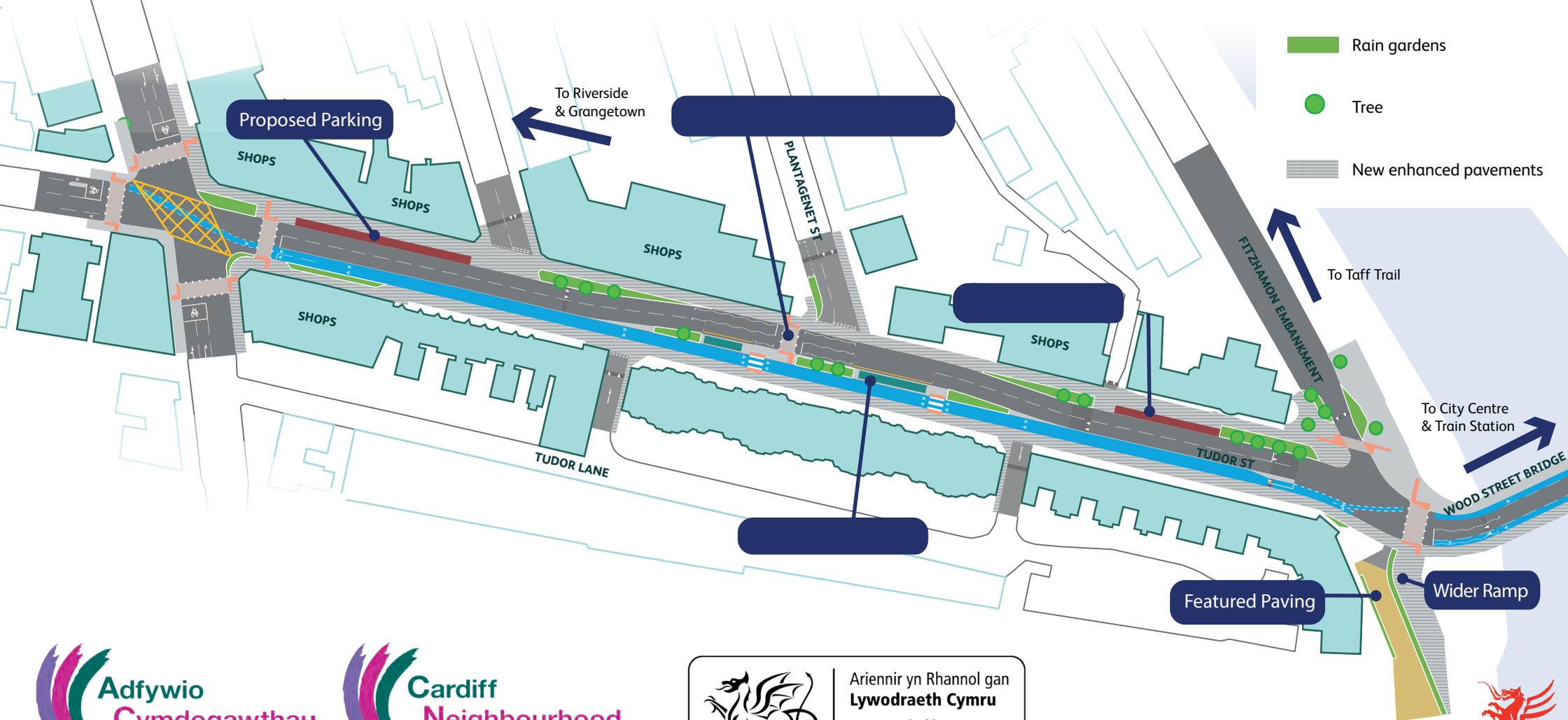
Responses must be submitted by **17th August 2020**

If you have any questions about the proposals, please email tudorstreet@cardiff.gov.uk

Tudor Street

The commercial business area of Tudor Street is identified in the South Riverside Business Action Plan as a key regeneration priority for Cardiff Council. The scheme seeks to enhance Tudor Street as a distinctive and attractive destination through creating a pleasant and welcoming environment for businesses, residents and the wider community. The Tudor Street scheme is a partnership project with Regeneration and Transport working together to transform the business environment and supporting wider Transport improvements. The scheme is funded by Welsh Government and Cardiff Council.

- Bus Stop
- Cycle lane
- Parking
- Feature Paving
- Rain gardens
- Tree
- New enhanced pavements



Tudor Street

Improvements

- New bi-directional segregated cycle lane from Wood Street Bridge to junction with Clare Street to tie in with proposed City Centre cycling improvements and Cycleways;
- Proposed bus island opposite Plantagenet Street, facilitating bus travel into Central Square and wider city centre;
- Enhanced green infrastructure, specifically trees and the planting of rain gardens, promoting opportunities for biodiversity and improved air quality. There are significant green infrastructure improvements in these plans, on a road that is currently lacking any greenery. The new rain gardens and trees will link to other green infrastructure projects in the local area, the Central Square Transport Project, local parks, and other community planting schemes. We will work with local residents and organisations to link these schemes together and help create a 'green corridor' from the city centre through Riverside.
- Creating a pleasant and welcoming public environment through enhancing the Gateway into South Riverside from the City Centre, with prioritised pedestrian movement through wider pavements and improved pedestrian crossings;
- Enhancing access to the Taff trail through realigning the existing ramp and steps at the junction with Tudor Street;
- Uplifting the street environment with new paving, street furniture and lighting.



Tudor Street

Neighbourhood Regeneration

The Tudor Street Business Environment and Transport Improvement scheme compliments work underway to improving local businesses through the TRI Thematic Commercial Improvement Scheme. Over £1million is being invested in the commercial buildings of this shopping area in partnership with local businesses who have signed up to take part.

Funding has been secured from the Welsh Government, Cardiff Council and contributions from business owners. The regeneration team in Cardiff Council runs the project and works with business to design the improvements, obtain planning permission and carry out the work.

This funding seeks to enhance the look of businesses through providing new shop fronts, signs, shutters and improvements to the first and second floors of buildings such as new windows and painting.

Work is due to comment on Phase 1 imminently, with a rolling programme of work up to Phase 4.



Tudor Street

Improved Bus Facilities

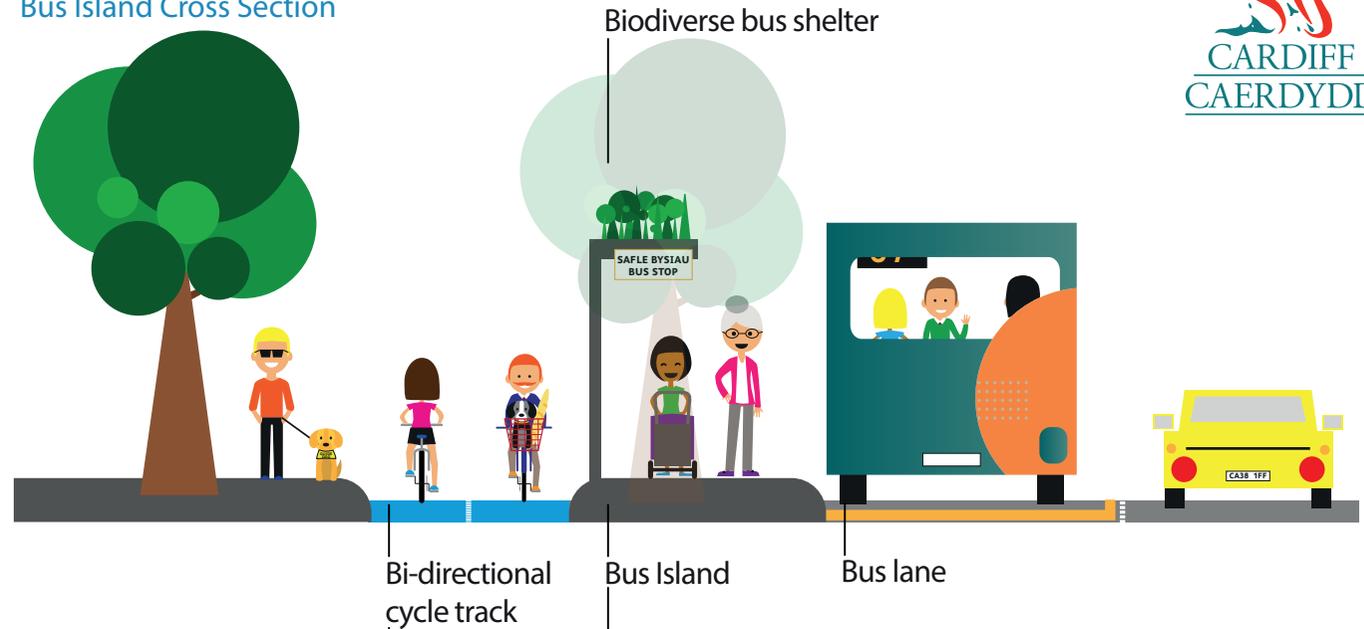
Bus Islands

- Some of the bus stops in Tudor Street will sit on an island in between the cycle track and road.
- There will be zebra crossings, where cyclists will give way to pedestrians to access the island and get to the bus stops.

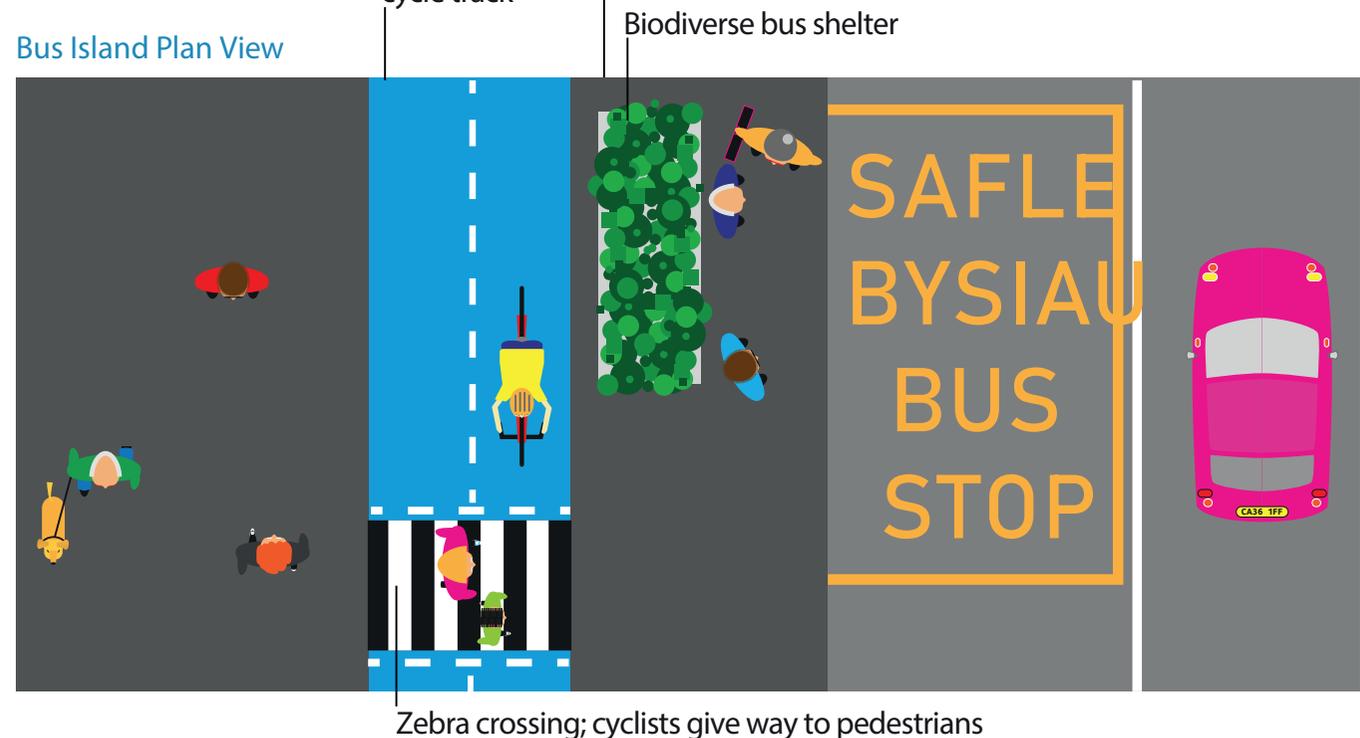
Green Bus Shelters

- Many of the new bus stop roofs across the city centre will be planted with shrubs and greenery to help encourage important insects and bugs into our environment.
- The new greener bus stops also help with water drainage issues, absorbing a proportion of the rainfall and diverting from our busy drains.

Bus Island Cross Section



Bus Island Plan View



Tudor Street



Sustainable Drainage Systems (SuDS)

When rain falls in the natural environment, natural features such as trees, plants, grasses, earth along with rivers and streams; all help to process this water and this forms an integral part of the water cycle.

In the built environment the normal stages of the water cycle are severely impeded. Problems resulting from this damaged cycle include flooding, pollution and issues of erosion. This water which cannot enter the natural water cycle puts additional strain on the sewer system.

SuDS provide a natural approach to surface water management by creating a 'mini water processing site'. SuDS are designed to achieve four main benefits which are: water quality, water quantity, amenity and biodiversity.

SuDS provide additional benefits, depending on how and where they are constructed within a transport scheme.

- They can be used as a natural traffic calming measures.
- They improve the micro-climate.
- They improve the air quality.
- They help to bring nature into the urban environment.

Planting Locations

Canopies formed in the tree tops, catch the rain which slowly evaporates, reducing water reaching the surface.

Biodiverse bus stop: supports ecosystems and provides a rainwater filtering location.

Biodiverse bus stops: contain a mixture of green plants and wild flowers. They will attract and sustain insects and other biodiverse wildlife.

Rain garden: helps filter and slow down water entering the drainage systems.

Biodiverse bus shelters

Planted bus shelters are an example of a SuDS. With a mixed variety of planting, not only do they support the reduction and slowing of water entering the drainage system, the entire roof of the bus shelter will create a habitat to support insects, other wildlife along with wide array of wild flowers.

Rain Gardens

Rain gardens are another example of a SuDS. They are usually a planted area with a variety of species, these plants perform several key functions; intercepting and cleaning both rainwater and surface water runoff, improving the quality and reducing the volume of water entering the drains.

Rain Garden Cross Section

Green spaces improve the urban environment.

Contaminants removed from surface water run off by the vegetation.

Gully: surface water is drained into rain garden as opposed to joining highway drainage.

Filtration area: plants and vegetation help remove pollutants before the water enters the sewers.

Drainage system: reduced volume of water entering the system.

