

Great Yarmouth Third River Crossing

Stage 3 (Statutory pre-application) Consultation

20 August 2018 to 5 October 2018

We need your views on the proposed new bridge over the River Yare in Great Yarmouth.

This brochure sets out our proposals for the Third River Crossing. A questionnaire is available for you to feedback your comments and views.



If you need this report in large print, audio, Braille, alternative format or in a different language please email gy3rc-st3consultation@norfolk.gov.uk or telephone 0344 8008020 and we will do our best to help.

Introduction

The Third River Crossing scheme involves the construction, operation and maintenance of a new bridge over the River Yare in Great Yarmouth.

The crossing links the A47 at Harfrey's Roundabout with South Denes Road.

In Spring 2019 Norfolk County Council intends to make an application to the Secretary of State for a Development Consent Order for the Third River Crossing.

We are proposing a double leaf bascule bridge (a type of lifting bridge - similar in operation to the existing Haven Bridge). Although the height and horizontal alignment of the bridge deck is already fixed, we would like to retain some flexibility regarding the range of structure design and opening mechanisms being considered (see pages 6 and 7).

Before making this application we would like your views on the scheme that we propose to submit.

Why do we need the Third River Crossing?

The objectives of the Third River Crossing are:

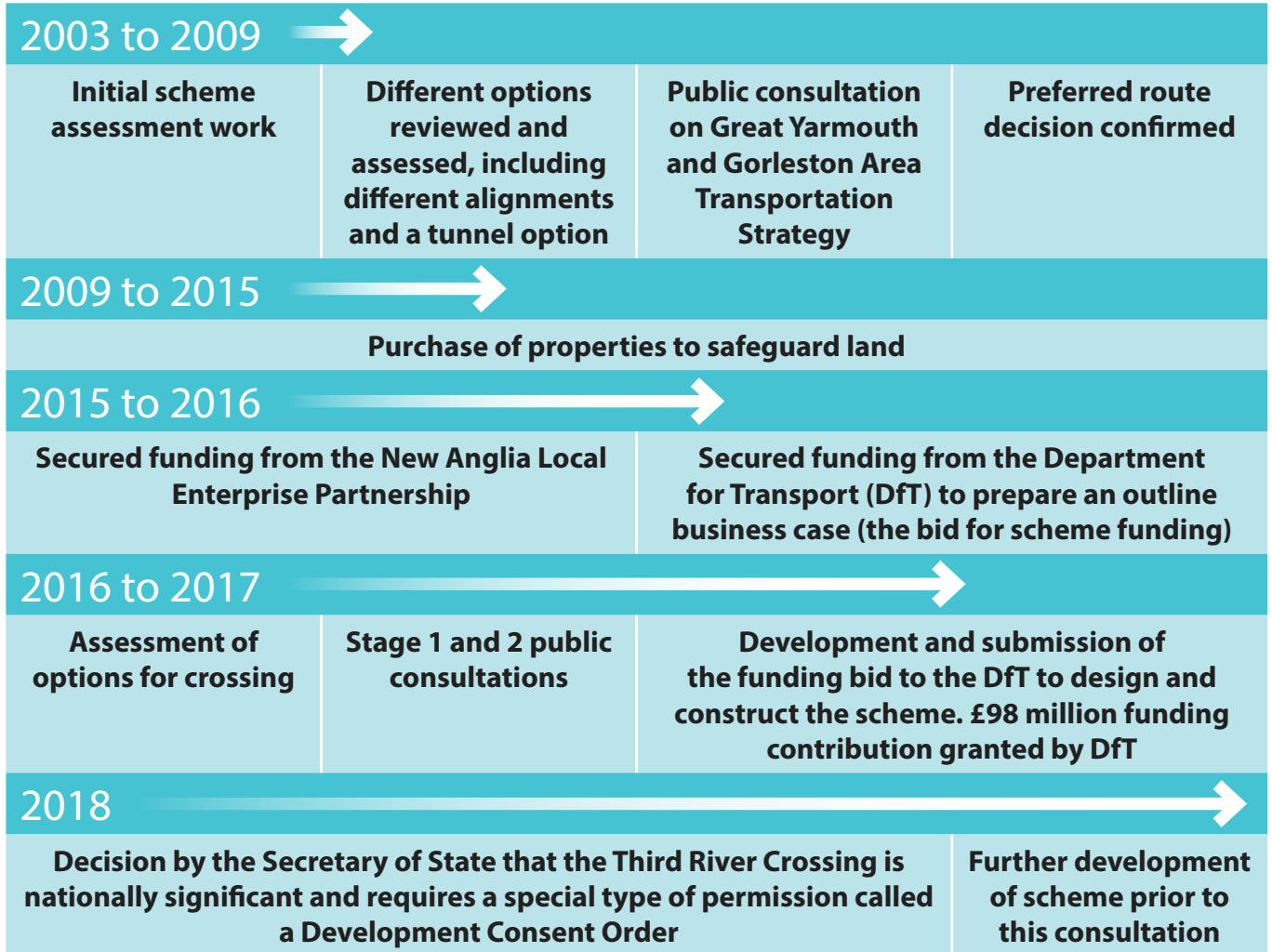
- To support Great Yarmouth as a centre for the offshore renewable energy, oil and gas industries and to enhance the port's role as an international gateway
- To help create new jobs by improving transport links between the port and the main road network
- To support the regeneration of Great Yarmouth, including the town centre and seafront
- To improve local access by reducing congestion and improving journey time reliability
- To improve safety and remove heavy traffic from unsuitable routes within the town centre
- To improve access to the Great Yarmouth peninsula for pedestrians, cyclists and buses
- To protect and improve the environment, and minimise the impact of the scheme on local people and places

Project funding

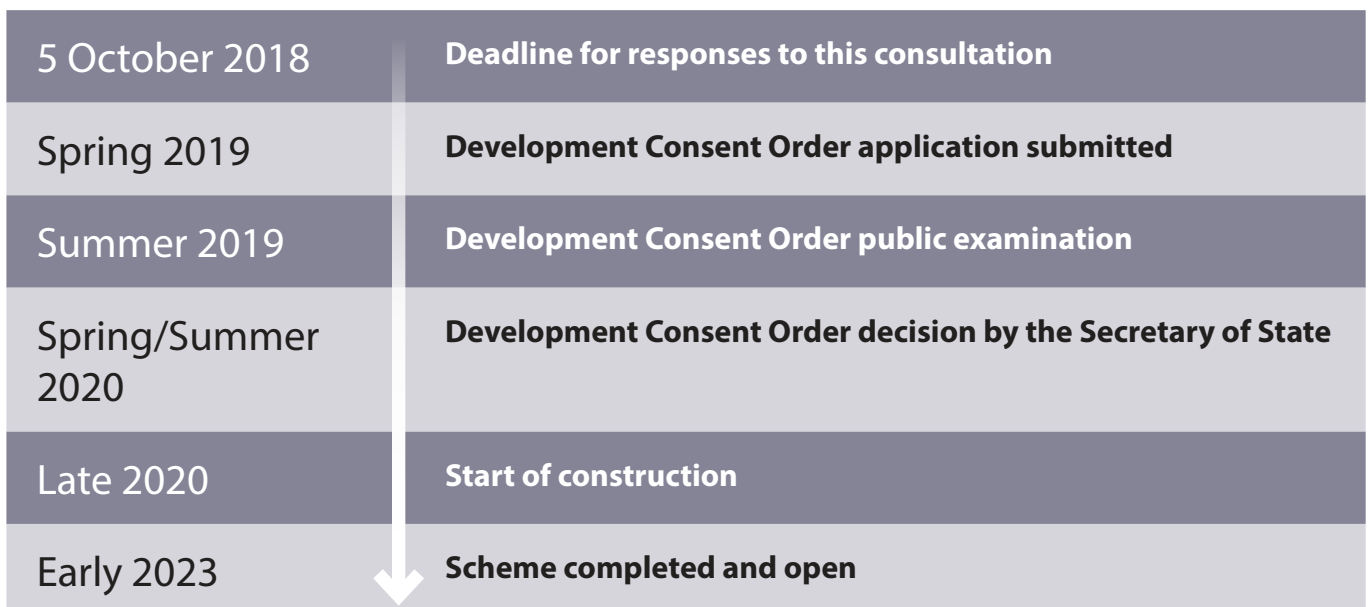
Norfolk County Council submitted a bid for a funding contribution to the Department for Transport (DfT). The submission to DfT set out the project cost as approximately £120m. The Autumn Budget 2017 allocated a Government contribution of £98m towards the scheme. The remaining cost will be locally funded and is likely to come from a range of sources.

Progress to date and future timeline

Progress to date



Future timeline



This consultation

This consultation is **Stage 3** of a three stage consultation process:

Dates	Stage	Purpose
November 2016 - January 2017	Stage 1 Initial engagement consultation	This was a non-statutory consultation to understand views on congestion, share emerging proposals and understand level of support
September – October 2017	Stage 2 Scheme development consultation	This was a non-statutory consultation to provide an update on progress and understand views on the bridge development work so far
August – October 2018	Stage 3 Statutory pre-application consultation	This is the statutory consultation to present details of the proposed scheme and obtain views on it before making an application for a Development Consent Order

This is the current consultation

The key findings from Stage 1:

- Congestion in Great Yarmouth is considered a serious issue
- The Third River Crossing would make journeys faster
- Congestion would be reduced by the new crossing

The key findings from Stage 2:

- Support for the scheme remains high
- There is overall support for the proposed scheme of a bascule bridge at 4.5m clearance
- A key concern relates to how the bridge affects port business and the passage of vessels on the river
- The consultation identified a number of suggestions regarding how the scheme could be improved

Why are we consulting?

The Secretary of State has determined that the Third River Crossing is a project of national significance for the purposes of the Planning Act 2008.

This means that the project requires a special type of permission, called a Development Consent Order, to construct, operate and maintain it.

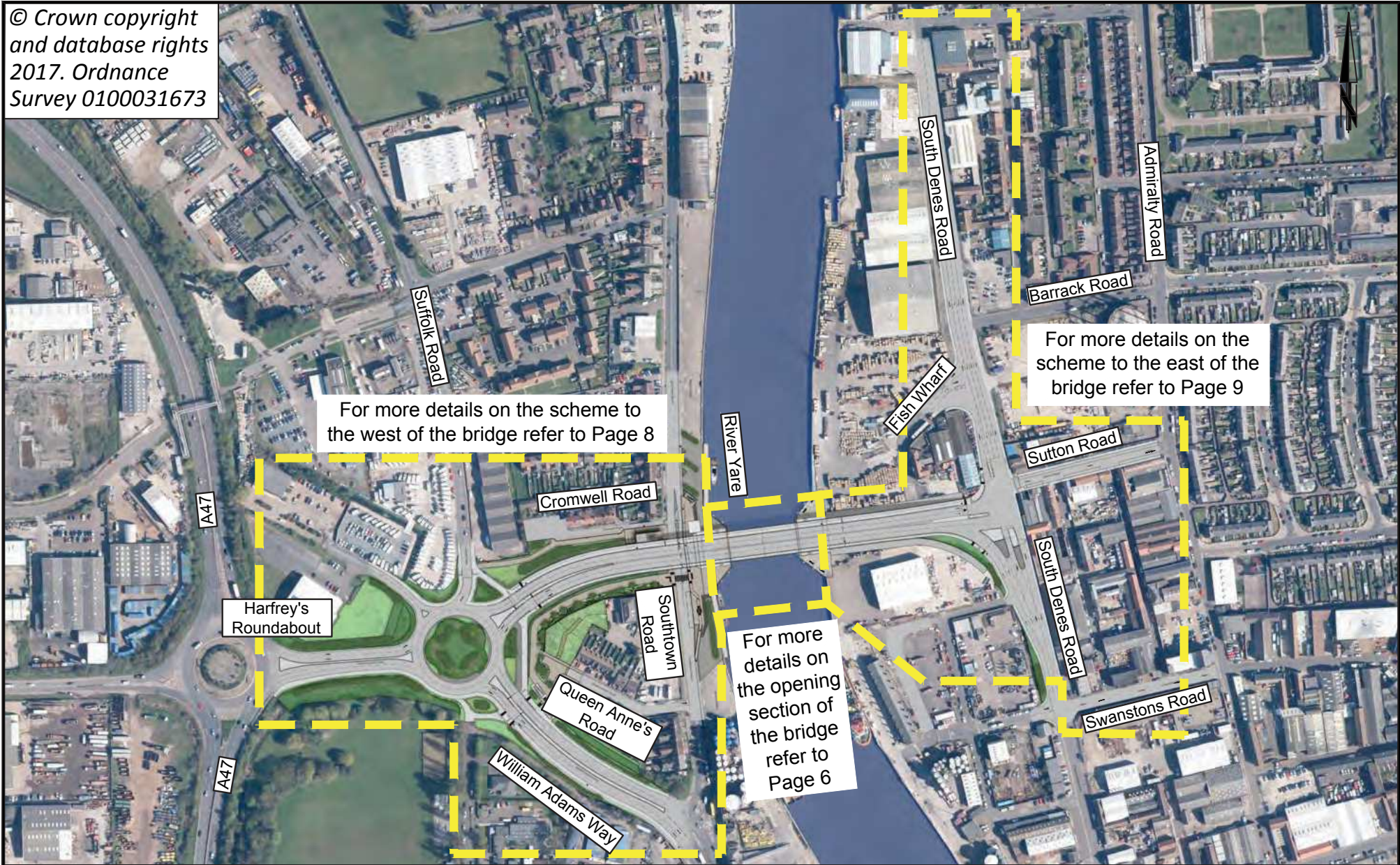
Under the Planning Act 2008 we have to carry out a statutory consultation before we apply for a Development Consent Order. This is the current consultation and your responses to this will help us develop the scheme.

A key feature of a Development Consent Order is that it replaces the need for planning permission and various other consents/orders which a project would normally need. Therefore this consultation is a very important opportunity to express views on the scheme.

You can find out more on how to comment and have your say on page 17.

Main scheme overview plan

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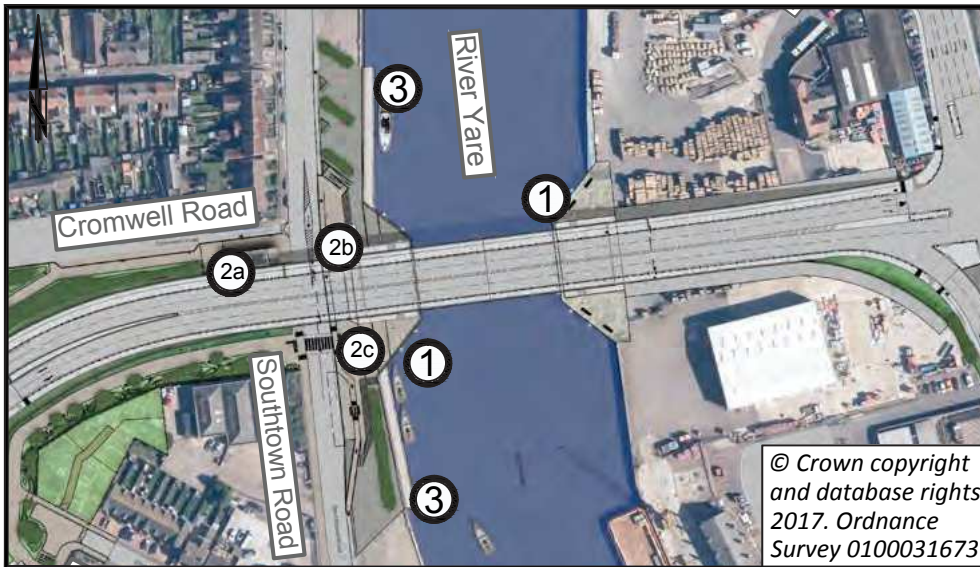


For more details on the scheme to the west of the bridge refer to Page 8

For more details on the scheme to the east of the bridge refer to Page 9

For more details on the opening section of the bridge refer to Page 6

The opening section of the bridge



The new bridge needs to open to allow the passage of boats and large vessels along the river. The Stage 2 Consultations in Summer 2017 helped confirm our view that the best solution for an opening bridge is to provide a bascule bridge with two sections or 'leaves' that lift. The bridge would have a clearance of 4.5m over the water at high tide when in the lowered position.

Depending on the type of bascule bridge, the bridge may need structures extending into the river to accommodate the opening mechanism **(1)**. A control tower structure located next to the bridge would enable the 24/7 operation of the opening span. Three provisional locations have been identified for the control tower depending on the type of bascule bridge

chosen. These are shown as **(2a)**, **(2b)** and **(2c)**. Please see page 7 for more information on the possible types of bascule bridge.

Barriers with flashing signs will be provided to prevent access onto the bridge whilst it opens. A waiting berth suitable for small vessels on either side of bridge will allow for moorings of vessels waiting for the bridge to open **(3)**.

Key facts about the bridge

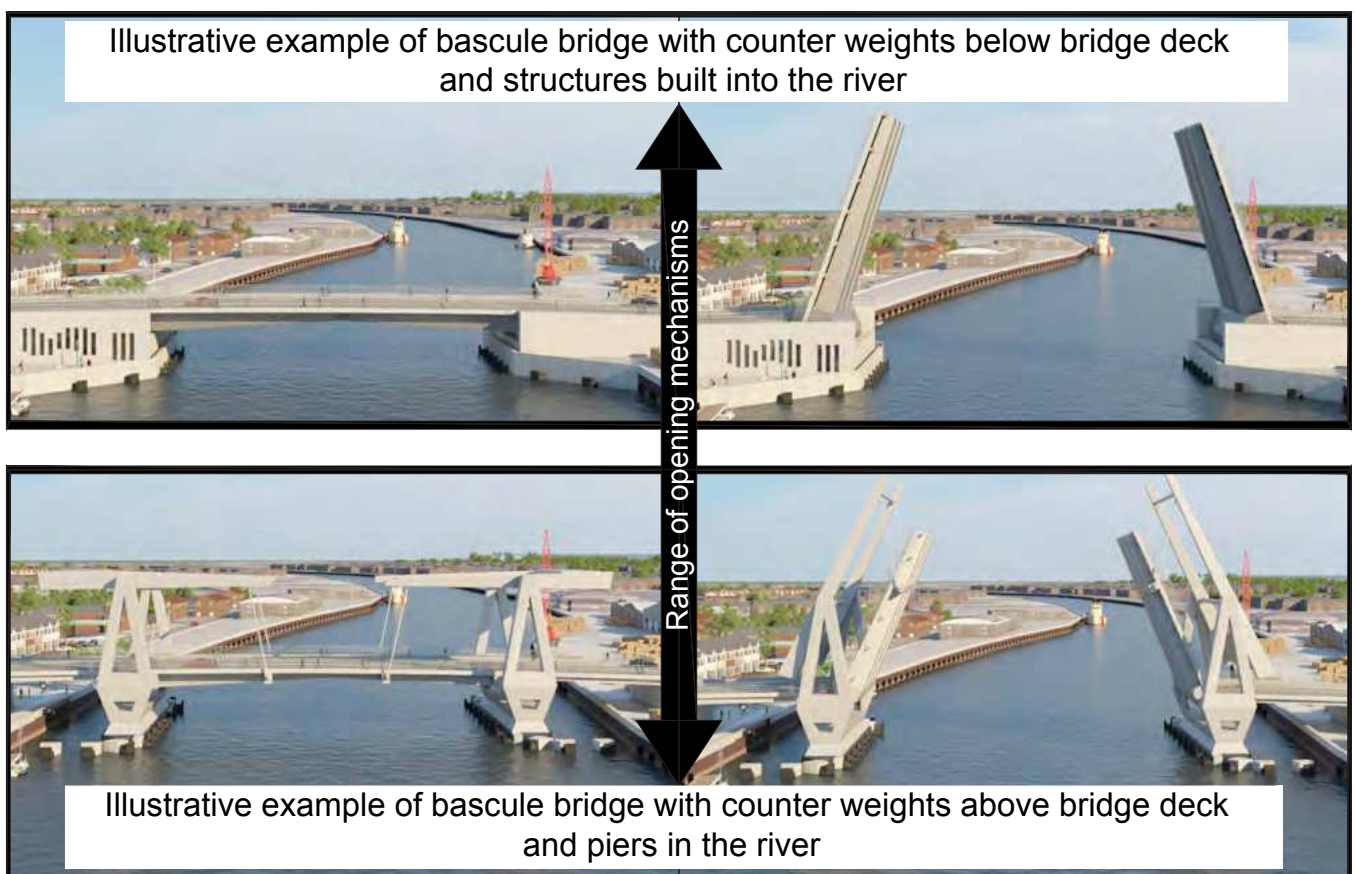
Estimated number of openings on a typical day (in 2023)	15 (based upon our assessment of predicted river traffic)
Anticipated total length of time the bridge is closed to road traffic on a typical day	82 minutes (approximate average of 5 minutes 30 seconds per opening)
Total time each day the bridge is open to traffic/pedestrians/cyclists	22 hours 38 minutes
Time to open bridge as a result of power failure or hydraulic failure	It will take a maximum of 1 hour to open the bridge
Marine operations	The bridge will open for commercial vessels when required and for recreational vessels by arrangement

Bascule bridge options

We are proposing a double leaf bascule bridge. After assessment this type of structure is the most appropriate at delivering the benefits of the scheme. The height and horizontal alignment of the bridge deck is already fixed. However, at present we would like to retain some flexibility regarding the type of opening mechanism to allow contractor innovation and hopefully reduce cost.

We have produced indicative visualisations below to show the range of opening mechanisms being considered.

The environmental assessments undertaken to date have taken account of this range of opening mechanisms by assessing a 'worst case'. The opening mechanism would be fixed when we submit our application for a Development Consent Order. **We welcome your views on the illustrative designs but please note the final design may be different to those shown below.**



The final choice on the opening mechanism will be made by Norfolk County Council. In making this decision the following will need to be considered:

- Operation times to ensure minimal delay to marine and road traffic
- Constructability (how easy it is to build)
- Cost, including future maintenance
- Safety and maintenance
- Impact on vessel navigation on River Yare
- Impact on surrounding land uses and port operations
- Aesthetic appeal and appropriateness to its surroundings / visual impact
- Environmental impacts
- Comments made during this consultation
- Reliability

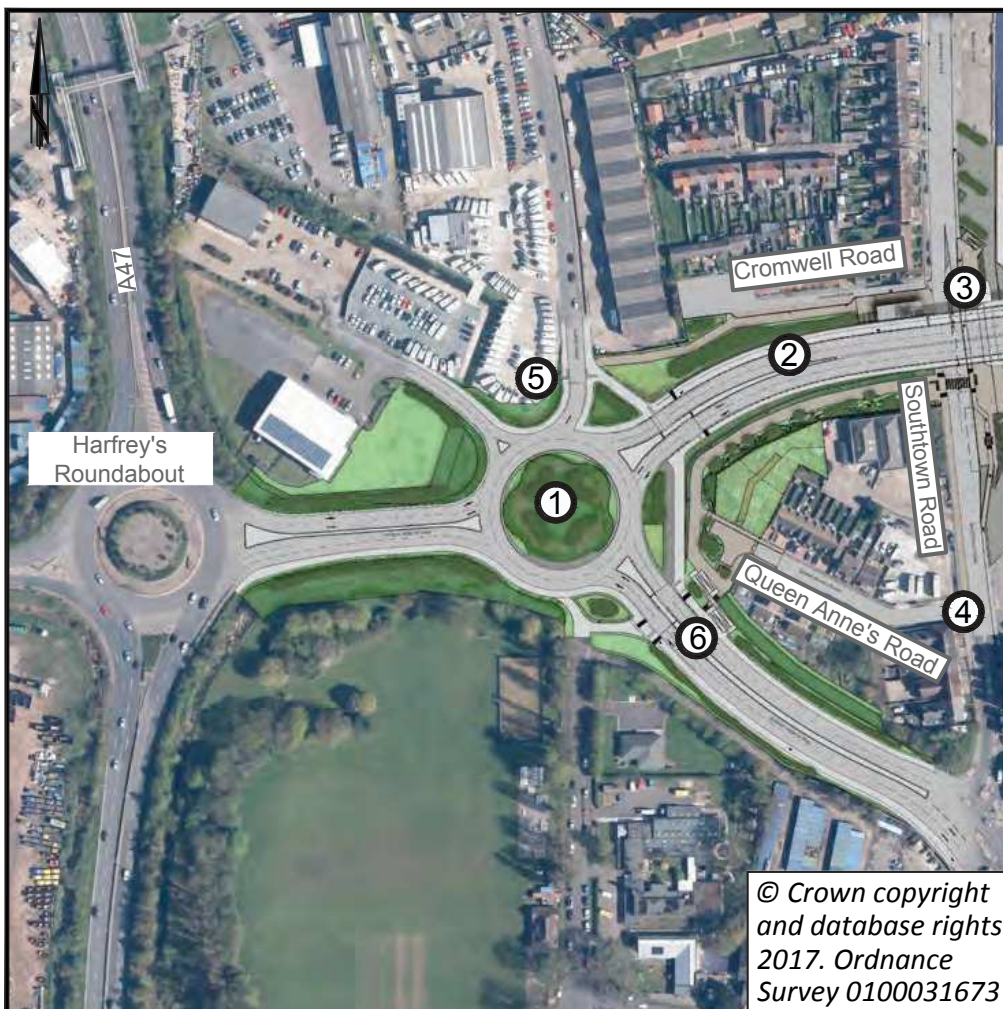
Proposals on west side of the bridge

On the west side of the bridge the scheme involves a new dual carriageway road linking the A47 at Harfrey's Roundabout to the bridge crossing.

A new five arm roundabout **(1)** on William Adams Way would be provided at the junction with Suffolk Road, allowing access to the Kings Centre and to provide a new dual carriageway road **(2)** onto the bridge.

A new bridge would be provided over Southtown Road **(3)**.

Queen Anne's Road would be closed at its junction with Suffolk Road and a new junction provided onto Southtown Road **(4)**.



A new pedestrian crossing would be provided on Suffolk Road **(5)**.

The footbridge on William Adams Way would be removed and replaced by a new crossing for pedestrians and cyclists **(6)**.

Key facts about the western side

<p>Height</p>	<p>The new roundabout on William Adams Way (1) would sit approximately 2 metres above the surrounding existing ground levels</p> <p>The new dual carriageway road would rise up to approximately 7.2 metres above Southtown Road (3)</p> <p>The bridge approach embankments would be retained by reinforced earth or retaining walls</p>
<p>Gradients</p>	<p>A maximum gradient of 5% (1 in 20) would be provided on the bridge approaches</p>

Proposals on east side of the bridge

On the east side of the bridge the scheme involves a new dual carriageway road linking South Denes Road to the bridge crossing.

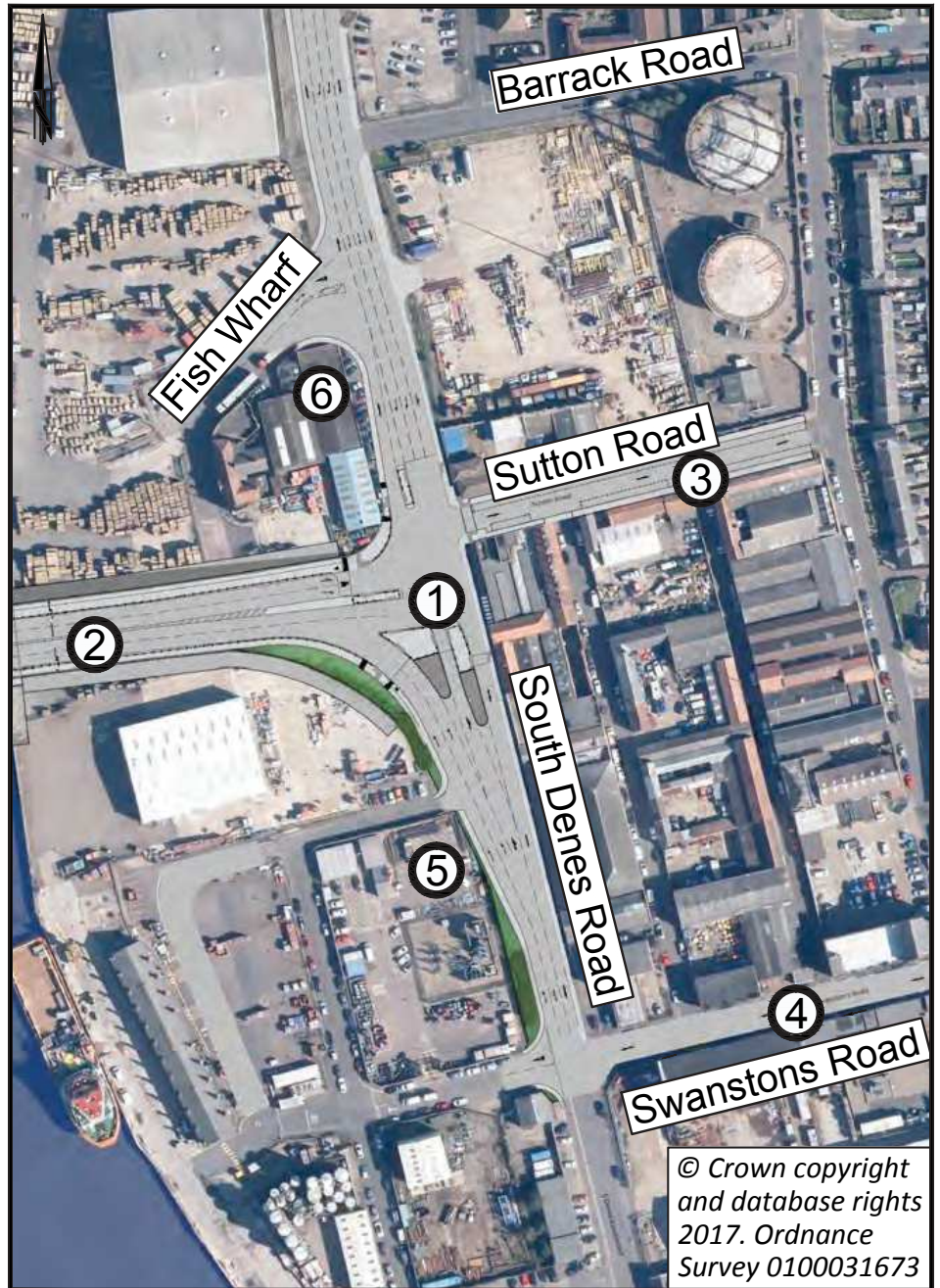
A new signal controlled junction would be provided at the junction of South Denes Road with Sutton Road **(1)**. South Denes Road would be widened to the side closest to the river on its approaches to this junction.

A new dual carriageway road **(2)** would be provided from this junction onto the bridge.

The one way systems on Sutton Road **(3)** and Swanstons Road **(4)** would be reversed.

New access arrangements would be provided to and from the existing quayside areas near the bridge **(5)**.

Revisions to the junction of Fish Wharf with South Denes Road **(6)** would be required.



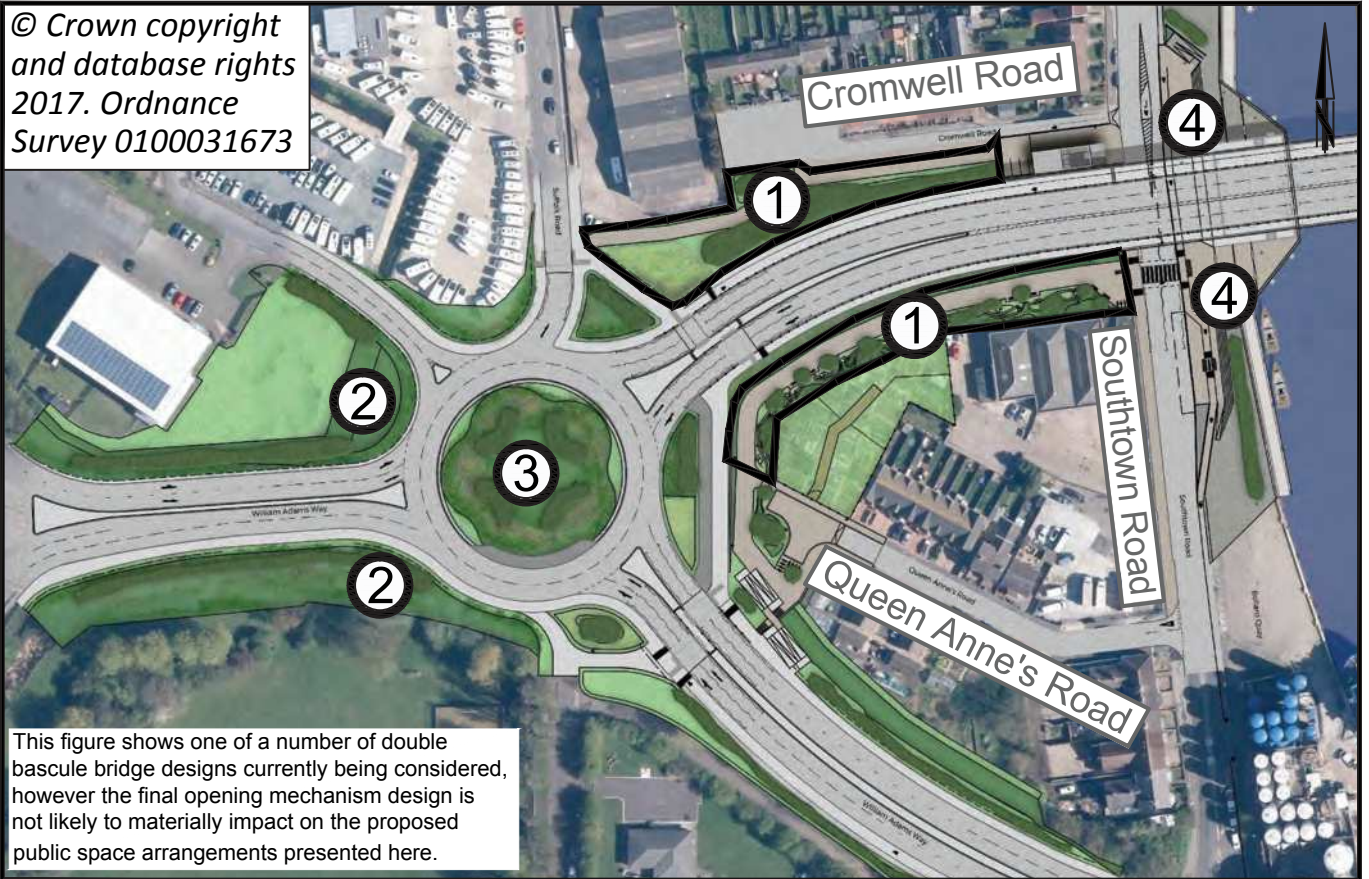
Key facts about the eastern side

Height	The signal controlled junction with South Denes Road (1) would be at existing ground level
Gradients	A maximum gradient of 5% (1 in 20) would be provided on the bridge approaches

Public space improvements

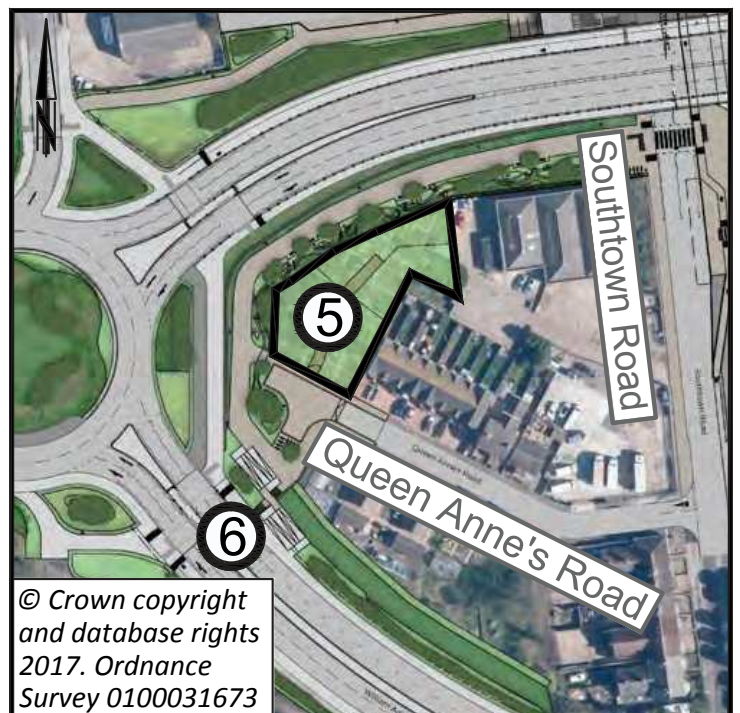
As part of the scheme proposals we intend to provide a number of public space improvements within the land required for the scheme. These include the provision of new areas of public routes **(1)** and areas of landscaped space **(2)** (including the centre of the new roundabout on William Adams Way **(3)**). The area around the bridge at Bollard Quay provides the opportunity to consider a new public space, forming an important interchange for pedestrians and cyclists **(4)**.

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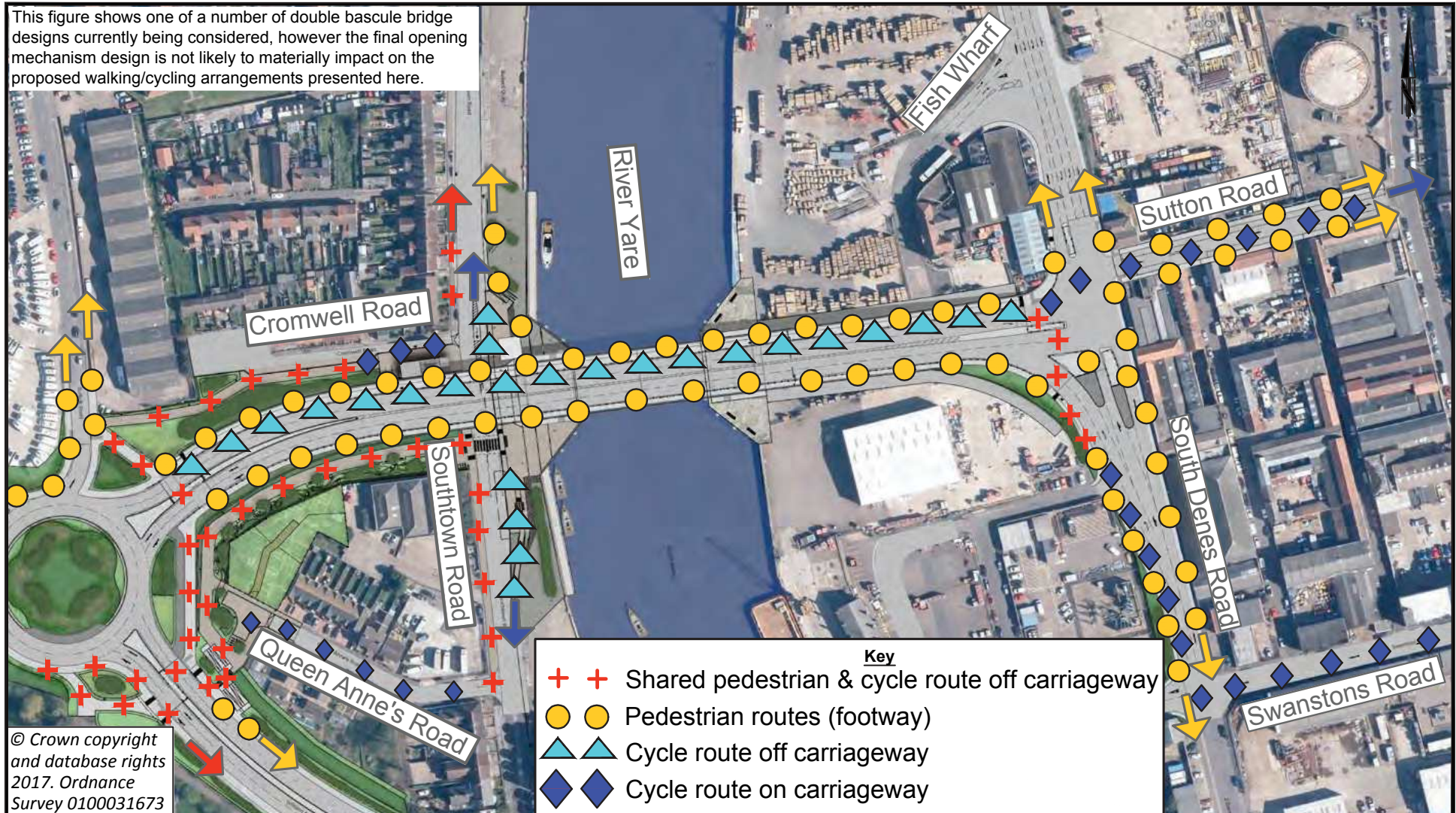
The Third River Crossing scheme requires land from the existing allotment sites. A new location for the existing allotment site on the north of Queen Anne's Road has been identified **(5)**.

Steps/ramps up to William Adams Way are proposed **(6)**.



Walking/cycling routes

The design of the proposed highway alignment and bridge approach creates an opportunity to develop routes for walkers and cyclists that connect Southtown Road with South Denes Road. The proposed routes for walkers and cyclists are shown on the plan below.



Lighting, parking and vessel berths

Lighting

We intend to install lighting on and around the new bridge. The lighting design will be developed further during detailed design, to incorporate both the architectural lighting of the crossing and also the public space areas that have been identified. The lighting scheme will utilise specialised lighting to minimise obtrusive light and to mitigate any light pollution onto the River Yare and avoid any impacts to navigation.

Waiting and Parking Restrictions

Between the new roundabout on William Adams Way and the new traffic signalled junction on South Denes Road the bridge and its approach road would have the following parking restrictions:

- no waiting at any time
- no loading/unloading at any time

Changes to waiting/parking restrictions on other roads are being developed and will be included in the application for a Development Consent Order.

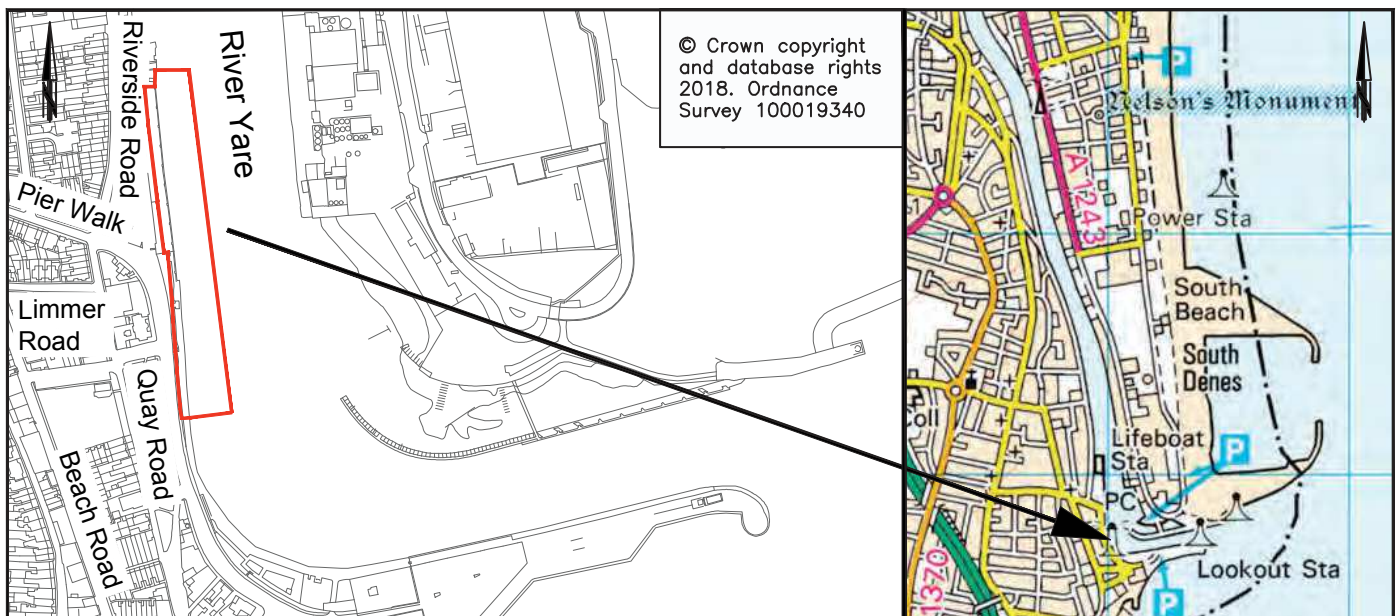
River Vessel Berthing Facilities

Page 6 of this document describes the proposals for waiting facilities to the north and south of the bridge for small vessels.

Consideration is being given to a potential large commercial vessel waiting facility, for use in the event that the bridge fails to operate. The proposed location for this facility is shown below.

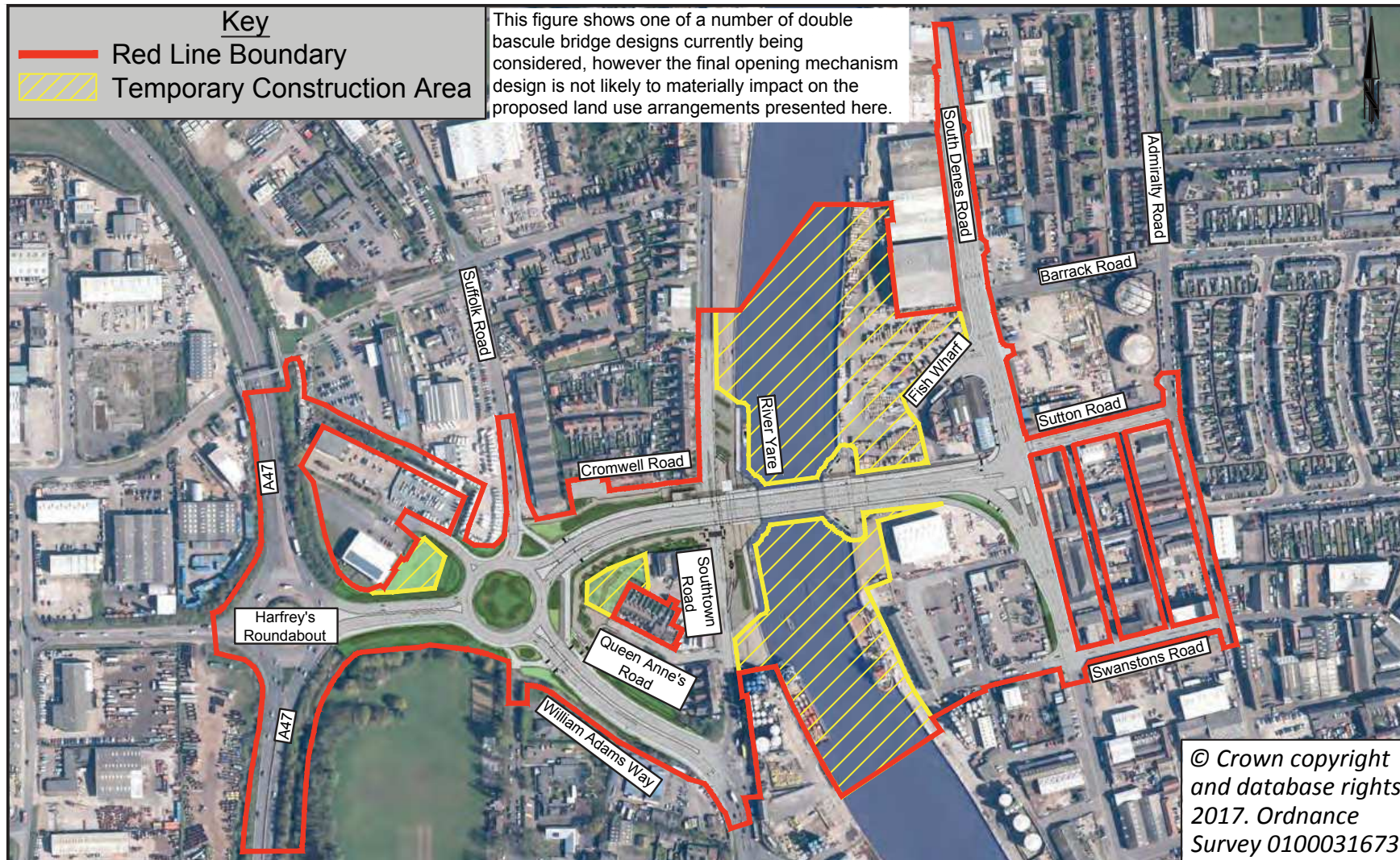
The facility would be designed to accommodate all commercial vessels greater than 30m in length that are capable of using the River Port. It would only be provided for temporary mooring while the bridge was restored to an operational condition and no port facilities would be provided at the location.

The need for this facility will be confirmed in the application for the Development Consent Order.



Land

The area of the proposed development site is shown by the red line below. This includes the area of the permanent scheme, areas required temporarily during construction and areas where works will be required to private property.

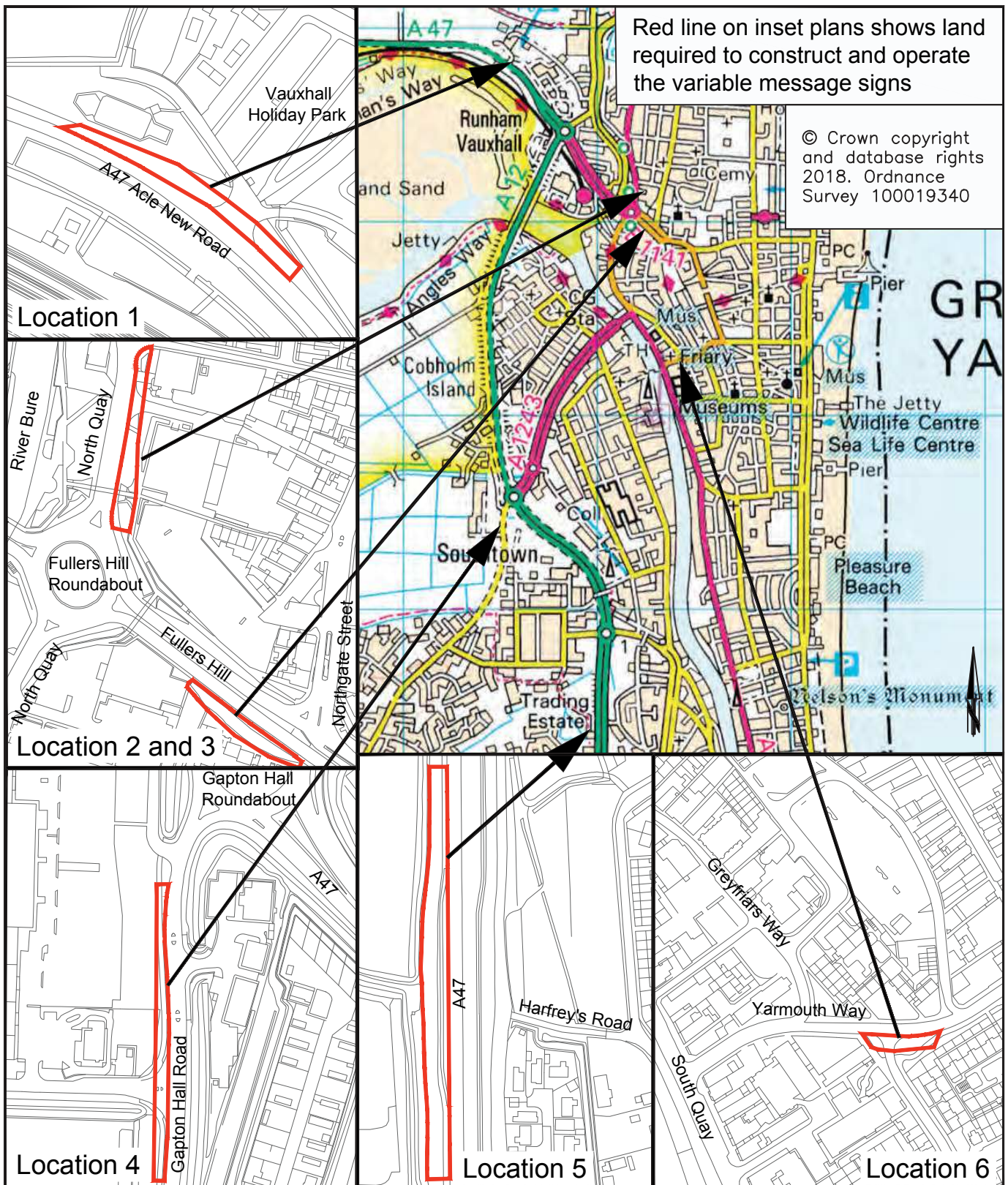


Where we do not already own or control the land, we have started negotiations with the relevant landowners. However, as part of our application for a Development Consent Order we intend to apply for powers which would allow us to acquire land and rights over land compulsorily (subject to payment of compensation) if it has not been possible to acquire by agreement.

Variable Message Signs

We are proposing to install a number of electronic variable message signs to assist the movement of traffic around Great Yarmouth in response to the status of the Third River Crossing. These will warn drivers when the proposed new bridge is closed to traffic, and will help to manage traffic on the approach to the scheme and within the town centre.

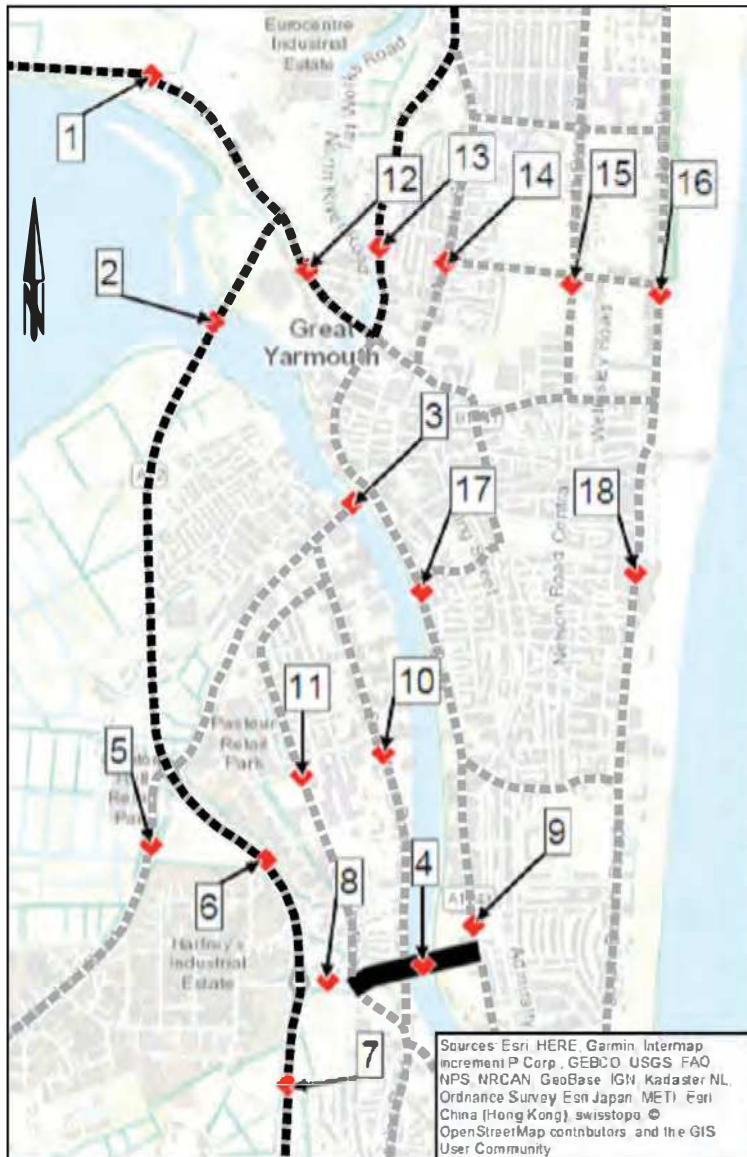
The locations of these are shown below. Each requires small areas of land to provide them.



Traffic impacts

We have used computer modelling software to assess the potential impacts of the proposed scheme on traffic flows. The model has been used to develop forecasts for traffic in the envisaged opening year of 2023 and in 2038.

The plan below shows the traffic flow forecasts obtained from the model.



1 - A47 - Acle New Road				
18300	19000	21800	19200	22200
2 - A47 - Breydon Bridge				
31400	33900	39200	30600	35000
3 - A1243 - Haven Bridge				
21900	24100	30300	12100	18600
4 - Third River Crossing				
0	0	0	19400	21700
5 - Gapton Hall Road				
16900	15700	18900	13300	16300
6 - A47 - south Gapton Hall Roundabout				
35300	40200	45200	31900	36800
7 - A47 - south Harfreys Roundabout				
34800	39700	45800	41600	46300
8 - William Adams Way				
13400	14000	15400	21700	19600
9 - Southgates Road				
5000	7000	8600	13500	14800
10 - Southtown Road				
10600	10200	12200	7400	9800
11 - Suffolk Road				
3400	4100	5500	3600	4300
12 - A149 - New Acle Road				
27800	29200	35500	24500	28400
13 - A149 - Lawn Avenue				
19100	20200	22000	20000	21700
14 - Northgate Street				
7900	8500	11000	8000	10200
15 - Nelson Road North				
5200	5500	6500	5800	6800
16 - North Drive				
6600	7200	8700	7300	9200
17 - A1243 - South Quay				
14700	16300	18500	9100	11400
18 - Marine Parade				
6600	7300	8900	7800	10100

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGM, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Key				
— GY3RC Scheme Location				
◆ Count Locations				
2018	2023 without GY3RC	2038 without GY3RC	2023 with GY3RC	2038 with GY3RC

Figures shown are 2 Way Average Daily Flow (24hrs)

We have created a separate briefing note about our transport modelling which describes the process we have used to produce the data in this document. This is available to view on Norfolk County Council's website (www.norfolk.gov.uk/3rc), at the public consultation events and locations set out on page 18. You can also obtain a copy by emailing us at gy3rc-st3consultation@norfolk.gov.uk.

Environmental impacts

The nature and scale of the scheme is such that it requires a formal Environmental Impact Assessment. Specific consideration of the scheme's effects on sites protected by the Habitats Directive is also required. We will submit an Environmental Statement with our application for a Development Consent Order. This Environmental Statement will set out our full assessment of the environmental impacts of the Third River Crossing, including its effects on the Habitats Directive sites.

Some of the topics assessed in the forthcoming Environmental Statement will include:

- **Air quality** – will assess the changes in concentrations of vehicle emissions as a result of the scheme. The assessment will also evaluate the potential dust created during construction
- **Noise and vibration** – will assess the changes in noise and vibration as a result of vehicle movements associated with the scheme. The assessment will also evaluate noise and vibration as a result of construction activities
- **Ecology** – considers effects of the scheme on species, habitats and protected sites, including the River Yare, which forms part of the Outer Thames Estuary Special Protection Area.
- **Geology and soils** – considers the effects to the underlying geology, contaminated land and unexploded ordnance
- **Townscape and visual impact** – considers the visual impacts in the surrounding local area, which is expected to be greatest once the bridge is open
- **Cultural heritage** – considers the impacts on archaeology, monuments and historic buildings
- **Drainage and flood risk** – considers the effects to surface and ground water quality, as well as the potential for the scheme to increase flood risk
- **People and communities** – considers the effects of land take, impacts on people and businesses and also the employment opportunities and economic activity that may be created

At the time of this consultation we are still currently assessing the impacts, and this process will need to continue as the scheme proposals are refined and finalised following this consultation.

We have produced a Preliminary Environmental Information Report (PEIR) which provides information on the potential environmental effects of the scheme using information that is currently available to us. We have also produced a non-technical summary of the PEIR.

Both the PEIR and its non technical summary are available to view on Norfolk County Council's website (www.norfolk.gov.uk/3rc), at the public consultation events and locations set out on page 18. You can also get a copy by emailing us at gy3rc-st3consultation@norfolk.gov.uk.

Responding to this consultation

We would like to hear your views on our proposals for the Third River Crossing.

You can respond to this consultation by:

- Completing a questionnaire on line at www.norfolk.gov.uk/3rc
- Completing the paper questionnaire that accompanies this brochure and posting it to **Freepost Plus RTCL-XSTT-JZSK, Norfolk County Council, GY3RC, Ground floor - south wing, County Hall, Martineau Lane, Norwich NR1 2DH**
- Emailing comments to gy3rc-st3consultation@norfolk.gov.uk
- Writing to **Freepost Plus RTCL-XSTT-JZSK, Norfolk County Council, GY3RC, Ground floor - south wing, County Hall, Martineau Lane, Norwich NR1 2DH**
- You do not need to use a stamp if you are using the above Freepost address. However, if you want to help the council save money please use a stamp and send to this address: **Great Yarmouth Third River Crossing Stage 3 Consultation, Infrastructure Delivery Team, Norfolk County Council, County Hall, Martineau Lane, NR1 2DH.**

The deadline for responses to this consultation is 23:59 hrs on 5th October 2018.

If you have any queries regarding the consultation please email gy3rc-st3consultation@norfolk.gov.uk or phone 0344 800 8020. However, please could all responses to the consultation be made in writing using one of the methods outlined above.

How we will use your responses

We will record all comments received during the consultation period and the project team will carefully consider these. We will produce a consultation report that will include your comments and an explanation of how they have helped influence the scheme. This consultation report will form part of the documents we submit with our application for a Development Consent Order.

The questionnaire that accompanies this brochure does not request identifying information such as your name or email address. It asks for a postcode so that we can understand where people's responses are coming from. The information from the questionnaire will be used solely for purposes in connection with the pre-application consultations, DCO application process, assessment and determination of the application and otherwise in connection with the further development of the scheme.

Where personal details are received as part of this consultation (e.g. from email and letter responses) these will be held securely and will not be disclosed to any third parties except where the County Council is required to do so by law (e.g. where required to do so following a Freedom of Information Act request).

All data including personal data is kept securely and stored in a password protected electronic format. Paper copies of documents received will be stored in secure cabinets. Please read Norfolk County Council's privacy notice for further information as to how your data is used and your rights - www.norfolk.gov.uk/gdpr.

How to find out more

The consultation documents will be available to view at the following places between 20 August 2018 and 5 October 2018:

- Great Yarmouth Library, Tolhouse Street, Great Yarmouth, NR30 2SH
- Gorleston Library, Lowestoft Road, Gorleston-on-Sea, Great Yarmouth, NR31 6SG
- Kings Centre, 30 Queen Annes Road, Southtown, Great Yarmouth, NR31 0LE
- Great Yarmouth Town Hall, Hall Plain, Great Yarmouth, NR30 2QF
- Priory Centre, Priory Plain, Great Yarmouth, NR30 1NW
- The Archive Centre, County Hall, Martineau Lane, Norwich, NR1 2DQ

They are also available to view on Norfolk County Council's website (www.norfolk.gov.uk/3rc).

The consultation documents include:

- This brochure
- Preliminary Environmental Information Report (PEIR)
- Non-technical summary of the PEIR
- Design process summary
- Frequently asked questions and answers
- Non-technical note on transport modelling

In addition consultation events, which will be staffed to allow interested parties to hold face-to-face discussions with the project team, are being held at the following venues.

Venue	Date	Time
Great Yarmouth Library, Tolhouse Street, Great Yarmouth, NR30 2SH	Saturday 25 August 2018	10am to 4:30pm
Priory Centre, Priory Plain, Great Yarmouth, NR30 1NW	Thursday 30 August 2018	10am to 9pm
Gorleston Library, Lowestoft Road, Gorleston-on-Sea, Great Yarmouth, NR31 6SG	Tuesday 4 September 2018	10am to 8pm
Kings Centre, 30 Queen Annes Road, Southtown, Great Yarmouth, NR31 0LE	Wednesday 12 September 2018	10am to 8pm



If you need this report in large print, audio, Braille, alternative format or in a different language please email gy3rc-st3consultation@norfolk.gov.uk or telephone 0344 8008020 and we will do our best to help.

Ak potrebujete tento dokument vytlačený veľkým písmom, Braillovým písmom, v alternatívnom formáte, vo zvukovej forme alebo v inom jazyku, pošlite e-mailovú správu na adresu gy3rc-st3consultation@norfolk.gov.uk, kontaktujte oddelenie služieb zákazníkom na čísle 0344 800 8020 alebo pošlite textovú správu na 18001 0344 800 8020 (textový telefón) a vynesnažíme sa pomôcť vám.

Если вам необходимо распечатать этот документ крупным шрифтом, шрифтом Брайля, а также если этот документ нужен вам в аудио-формате, альтернативном формате или на другом языке, отправьте сообщение на адрес электронной почты gy3rc-st3consultation@norfolk.gov.uk, обратитесь в центр обслуживания клиентов по телефону 0344 800 8020 или службу для людей с ограниченными возможностями по номеру 18001 0344 800 8020 (текстофон), и мы сделаем все возможное, чтобы вам помочь.

Se precisar deste documento com caracteres grandes, em Braille, num formato alternativo, em áudio ou noutra idioma, envie, por favor, um e-mail para gy3rc-st3consultation@norfolk.gov.uk, contacte o Serviço de Apoio ao Cliente através do 0344 800 8020 ou envie uma mensagem de texto para o 18001 0344 800 8020 (telefone de texto) e faremos o nosso melhor para o/a ajudar.

Jei norétumėte šj dokumentą gauti dideliu šriftu, garso jrašu, Brailio raštu, kitu formatu ar kita kalba, atsiųskite el. laišką gy3rc-st3consultation@norfolk.gov.uk, susisiekitė su klientų aptarnavimo centru tel. 0344 800 8020, arba teksto atpasakojimo numeriu 18001 0344 800 8020 (tekstinis telefonas) ir mes pasistengsime jums padėti.

Aby otrzymać ten dokument wydrukowany większą czcionką, zapisany alfabetem Braille'a, w innym formacie, w postaci dźwiękowej lub w innym języku, prosimy o wysłanie wiadomości e-mail na adres gy3rc-st3consultation@norfolk.gov.uk albo kontakt z Obsługą Klienta pod numerem 0344 800 8020 lub pod numerem telefonu tekstowego 18001 0344 800 8020, a dołożymy wszelkich starań, aby udzielić pomocy.