

Update for December's Executive Decision Session

This is an update of the progression made over the last three months on the flood alleviation work in York. In this update we have provided:

- Summary of city wide flood alleviation activities
- Update on each flood cell
- Engagement plan for the next few months

Summary of city wide flood alleviation activities

Process

Ground investigations are now complete for the majority of locations, with the exception of B8 (Clementhorpe) where further site investigations and required to confirm ground and structural conditions.

Outline Business Cases have been submitted for all flood cells listed in the update below.

Foss Barrier

Our business case has been approved for additional work at the Foss Barrier site. This increases our financial approval by £9.245m, taking the project approved funding to £28.645m. This additional work is to upgrade the barrier and its structure. This was not part of the original project, which focused on the pumping station. This means that we will be on site for longer with a forecast completion of December 2019.

The complex work on the pumping station continues and is now forecast to be completed by March 2019. The site continues to be fully operational.

Engagement activity

We continue to engage across York.

- The Hub provides residents with a central location where they can come to ask questions about our work, view plans, and provide feedback. The opening times are 10:00 to 16:00 on Monday, Wednesday and Thursday each week.
- Local Community Drop-in events held for Huntington residents on Sep 20th, South Bank residents on Sep 24th, Earlsborough Terrace on Wednesday the 14th November and another planned for the Clifton and Rawcliffe community on Monday 3rd December.
- Our quarterly newsletter, next due by the end of November 2018.
- Citizen Space – an online portal that allows residents to view all engagement material and provide feedback. (<https://consult.environment-agency.gov.uk/yorkshire/yorkfas/>) continues to be updated with information, with details regarding Clifton Ings due to be uploaded before drop-in session on the 3rd December.

Our area (flood cell) specific engagement continues and is outlined in the next section. Our engagement plan for the next few months is also included as part of this document.

Update on progress of each flood cell

This section provides an update on each of the areas (flood cells) being taken forward as part of York Flood Alleviation Scheme.

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Flood Cell	Detail	Current/Next Activity
B16 - New Walk	<p>In September we held our first Flood Resilience Roadshow. This allowed us to showcase Property Flood Resilience (PFR) products to residents in the flood cell. Feedback from the event was good and we hope to run a similar event next year.</p> <p>We have written to all residents in the area to confirm whether they would like to be part of our Property Flood Resilience scheme.</p> <p>The PFR framework is now in place. We are currently reviewing the process to enable a realistic programme to be developed.</p>	<ul style="list-style-type: none"> • Dec-Procurement of a PFR supplier from the new framework. • March/April-surveyor appointed • April/May-product selection • May/June- Commence PFR installation and handover
B8 - Clementhorpe and South Bank	<p>We have split the area into two – Clementhorpe (between Skeldergate Bridge and Rowtree Park) and South Bank (Rowtree Park to St Chads Wharf).</p> <p><u>Clementhorpe</u></p> <p>A newsletter has been sent to all residents in the area updating them on our programme of works in the area. Over the next three months (Nov-Jan) we will be carrying out further site investigations to confirm ground and structural conditions. This follows on from previous investigations that came back inconclusive.</p> <p>Significant engagement has taken place with residents of riverside properties. Concerns have been raised regarding the structural integrity of the existing buildings. Our investigations over the next few months will provide us with the information required to determine the potential to use the existing buildings as flood defences or whether new structures are required. Initial discussions have taken place in relation to scheme design with resident design groups being set up for those living in riverside buildings.</p>	<p><u>Clementhorpe</u></p> <ul style="list-style-type: none"> • Planning application for Clementhorpe Barrier proposed submission in February 2019. Community engagement to take place prior to submission – expected early February. • Wider scheme initial detailed design engagement expected in March 2019, following feedback from planned site investigations. • Final scheme design engagement expected May with planning programmed for submission in June.



	<p><u>South Bank</u></p> <p>We have written to all residents in the area to confirm whether they would like to be part of our Property Flood Resilience scheme.</p> <p>The PFR framework is now in place. We are currently reviewing the process to enable a realistic programme to be developed.</p>	<p><u>South Bank</u></p> <ul style="list-style-type: none"> • Dec – Continue engaging with residents to ensure all eligible properties have been identified • Dec- Procurement of a PFR supplier from the new framework. • March/April-surveyor appointed and individual property surveys carried out
<p>B4 - Scarborough to Ouse Bridge (Right Bank)</p>	<p>Ground Investigations have been completed.</p> <p>Following engagement with members of the public earlier in the year and ongoing engagement with CYC and Historic England we have produced detailed designs for the flood defences in this area.</p> <p>For the new proposed flood defences behind Memorial Gardens we have submitted planning proposals to CYC Planning. For the other proposed flood defences in the area we are progressing these under the Town and County Planning (General Permitted Development) Order 2015. Following the Decision Session – Executive Member for Environment meeting on 4 June the EA submitted a paper on our proposed approach to planning. A copy of the paper can be found on the CYC website via this link - http://democracy.york.gov.uk/documents/s124583/York%20FAS%20-%20Planning%20Approach%20Briefing%20Note%20CD.pdf</p> <p>Our web page for this location is now live: https://consult.environment-agency.gov.uk/yorkshire/scarboroughbridgetoousebridgerightbank/</p>	<ul style="list-style-type: none"> • Planning will be submitted by the end of November 2018 • Over the next 2 months the focus will be on agreeing the commercial contracts and plans for the construction phase • In early 2019 we will be in a position to engage with the public on the construction plans and approach for the area • The current planned start date for construction is Mar 2019. The first phase on construction works will take place along Wellington Row/North Street.
<p>F9 - South Beck</p>	<p>We have undertaken detailed modelling assessments of the flood risk for the South Beck flood cell and these have informed potential flood intervention options for the cell.</p>	<ul style="list-style-type: none"> • Review of options to assess the viability of implementing a scheme for this area • Engagement with the local community on proposals in Spring 2019.
<p>B9 - Fulford</p>	<p>We are working closely with CYC to develop an effective solution to the issues in Fulford. Ground investigations have completed to inform the viability of works.</p>	<ul style="list-style-type: none"> • Discussions and agreement with CYC on taking forward a holistic approach to the cell, including works to Fordlands Road. Current assumption is that CYC will now lead on delivery and funding of a potential solution.

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		<ul style="list-style-type: none"> Engagement with the local community on proposals in spring 2019.
F4 - Tang Hall Beck	From our modelling and experience from recent floods we have undertaken initial assessments of the risk of flooding to properties in the area and have identified an initial number of options (flood embankments and walls) which will be assessed further and then consulted on with members of the public.	<ul style="list-style-type: none"> Nov 2018 detailed assessment of options completed Engagement with the local community on proposals in early 2019.
F5 - Osbaldwick Beck	From our modelling and experience from recent floods we have undertaken initial assessments of the risk of flooding to properties in the area and have identified an initial number of options (flood embankments and walls) which will be assessed further and then consulted on with members of the public.	<ul style="list-style-type: none"> Nov 2018 detailed assessment of options completed Engagement with the local community on proposals in early 2019.
F8 - Groves to Haley's Terrace F10 - Haley's Terrace to Link Road F11 - Link Road to Ring Road	<p>Following the upgrade to the Foss Barrier we are investigating additional flood defence options for this area. This includes investigating the opportunity to develop a flood storage upstream of the city to reduce flood flows. If the flood storage option was taken forward it has the potential to reduce the risk of flooding to properties in cells F8/10/11. A storage option may also reduce the requirement for additional walls and embankments in these cells.</p> <p>Ongoing discussions have been taking place with the landowners in the location of the proposed flood storage area and we have commenced ground investigations at the location.</p> <p>Held numerous public events in Sept where the proposal for FSA was presented. These were well attended and the option for a FSA was very well received.</p>	<ul style="list-style-type: none"> Continuing discussions with landowners on the design and compensation aspects of the scheme. Worked has now commenced on the detailed design of the Flood Storage Area (FSA).
F12 - Westfield Beck	Our records show there is a risk of flooding to properties in this area. We will be investigating this risk in more detail and looking at potential flood defence options to mitigate the impact of the risk flooding. We will be engaging with local residents before any proposals are taken forward.	<ul style="list-style-type: none"> Review of options to assess the viability of implementing a scheme for this area Engagement with the local community on approach/next steps in early 2019.
B11 - Coppins Farm to Scarborough	<p>This flood cell covers a wide area with a range of different issues. There are a number of existing defences which will need to be raised in order to continue protecting homes and businesses into the future.</p> <p>Following the assessment of the flood risk and flood intervention options</p>	<ul style="list-style-type: none"> Jul – Nov 2018 detailed design activities will be taking place As part of the process of detailed design there will be ongoing engagement with the residents of Almerly

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<p>Bridge (Left Bank)</p>	<p>there have been engagement events with a number of stakeholder groups, including Almerly Terrace and St Peters School.</p> <p>We held a public engagement event on 20 June at the Hub on Wellington Row, presenting the options and proposals for the area. The proposals have been on display at the Hub from this date for members of the public to view and comment on. We also attended two CYC Ward meetings in the area to present and discuss the options.</p> <p>Detailed discussions have been had with St Peters school on the embankment alignment and location around their boat house.</p> <p>Our web page for this location is now live: https://consult.environment-agency.gov.uk/yorkshire/yorkfascoppinsfarmtoscarboroughbridge/</p>	<p>Terrace and St Peters School on the design proposals and the alignment of the embankment.</p>
<p>B12 - Scarborough Bridge to Lendal Bridge (Left Bank)</p>	<p>A significant area of this flood cell falls within the historic city centre and therefore any scheme needs to have the support of heritage bodies. We are keen to ensure this support before shortlisting options.</p> <p>Museum Gardens Trust and English Heritage having consider the options for flood defences in Museum Gardens have confirmed that raising and extending the existing embankment is acceptable option to them.</p> <p>CYC Conservation architect has confirmed that glass panels is an acceptable solution for raising the flood defence wall in front of Earlsborough Terrace (& Almerly Terrace)</p>	<ul style="list-style-type: none"> • Next steps activities include detailed design and further engagement activities.
<p>B15 - King's Staith to Skeldergate Bridge</p>	<p>As was highlighted in the publication of the 5 Year Plan, providing protection at King's Staith to the same level as elsewhere in the city would not be acceptable. We are assessing the optimum size of any defence in this location to provide additional protection without negatively impacting the riverside amenity and neighbouring businesses. Due to government spending rules around cost benefit, this scheme may require additional funding support.</p> <p>Ground investigations have been carried out to inform the viability of works.</p>	<ul style="list-style-type: none"> • Through ongoing engagement seeking alignment on assumptions with Castle Gateway project • Consult with CYC on taking forward a potential Property Flood Resilience flood defence option for the properties at risk upstream of Lower Friargate and potentially wider throughout this flood cell. • Further information should be available in Spring 2019.
<p>B7 - Queen's Staith and</p>	<p>There is potential to reduce flooding by installing floodwalls/gates between existing buildings on Skeldergate. This is dependent upon structural integrity</p>	<ul style="list-style-type: none"> • A key issue for this cell is that an important YW drainage network runs along Skeldergate. YW need to consider



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Skeldergate	and ground conditions which are currently under assessment. Until the outcome of this we cannot provide more detailed options. Ground investigations have been carried out to inform the viability of works.	the operation and impacts that flood defences would have on their network. YW have undertaken to provide analysis of the operation/impacts by Dec 2018/Jan 2019.
B10 - Clifton & Rawcliffe	Central to this area are the upgrade to the embankment at Clifton Ings and the formalisation of pumping arrangements for Blue Beck. We have now identified the technically feasible options for these assets and have commenced engagement with key stakeholders in this sensitive area.	<ul style="list-style-type: none"> • Submission of Environmental Impact Assessment and planning expected to be in Dec 2018. • Discussion with key stakeholders is ongoing. • There is a public engagement event on Monday 3 Dec, where the proposals for this cell will be on display and the opportunity for the public to discuss the proposal with the project team.
C1 - Bishopthorpe	Records from recent flood events and our modelling shows the risk from flooding is greatest along a stretch of Bishopthorpe Road and Main Street/Chantry Lane. <ul style="list-style-type: none"> • We have identified potential flood defence options for this area and are currently undertaking a detailed assessment. • Oct 2018 detailed assessment of options completed. Final design option to be determined post stakeholder engagement. 	<ul style="list-style-type: none"> • Engagement with the local community and church on proposals planned for Dec 2018. • Engagement with Yorkshire Water required to determine access and maintenance of a penstock (YK asset). This is a key component of the scheme design.
C2 - Acaster Malbis	Due to flood flow routes in the area, developing a formal flood defence scheme would be extremely difficult. We envisage offering property flood resilience options for affected properties.	<ul style="list-style-type: none"> • Engagement with the local community on proposals in the spring 2019.
C3 - Naburn	We have been working closely with Naburn Flood Group for a number of years to tackle the various causes of flooding to the village. A detailed modelling study commissioned prior to the 2015 floods has provided clarity on the scale of risk and the interventions needed to reduce this. <ul style="list-style-type: none"> • We have had further engagement with the Naburn Flood Group to update them on the modelling work that has been undertaken and to discuss the likely scale and scope of flood intervention options. Ground investigations have been carried out to inform the viability of works. • We have completed an assessment of potential viable flood defence 	<ul style="list-style-type: none"> • In Dec 2018 we will be meeting with the community of Naburn on the outcome of our assessments. • Analysis of benefit cost ratio and scheme design will continue.

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options for Naburn. At present, we are working to establish a favourable cost benefit assessment that would enable the project to progress. Partnership funding opportunities need to be explored.

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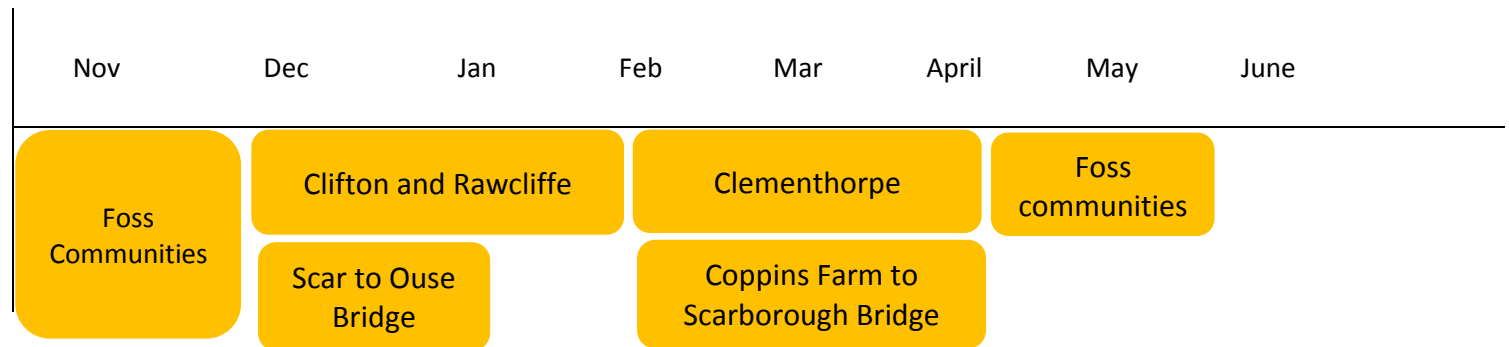


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York FAS Six Month Engagement Programme

This is a dynamic engagement plan for the York Flood Alleviation Scheme. Please note that specified dates and time periods are subject to change as the scheme progresses. Alongside cell-specific engagement activities, we will also be engaging via a quarterly newsletter (green) and by providing information at our Community Flood Hub which is situated on Wellington Row and open 10am to 4pm Mon, Wed and Thurs (yellow).

Hub displays



Planned activities

December		
Newsletter sent out to mailing list, available at the Hub and on Citizen Space		
Mention of the York FAS in 'Our City' newsletter		
Scarborough Bridge to Ouse Bridge	Early Dec	Proposals submitted to CYC for planning approval and planning documents available at the Hub
Clementhorpe		Continued engagement with residents of properties eligible for property flood resilience measures
South Bank		Continue engaging with residents to ensure all eligible properties have been identified
Clifton and Rawcliffe		Proposals on display at the Hub



	3 Dec	Public drop-in event at York Sports Club from 2pm to 7pm on Monday 3 December. All information provided on the day will be available on Citizen Space and at the Hub following the event.
	TBC	York FAS Advisory Group Meeting
Bishopthorpe	TBC	Engagement with the local community and church on proposals.
Naburn	TBC	Meeting with the community on the outcome of our assessments.
January		
Clifton and Rawcliffe		Proposals on display at the Hub and planning documents made available
February		
Clementhorpe		Engagement with residents on proposals prior to submission to CYC for planning approval. Planning documents to be displayed at the Hub
Coppins Farm to Scarborough Bridge		Engagement with residents on proposals prior to submission to CYC for planning approval. Planning documents to be displayed at the Hub
Scarborough to Ouse Bridge (Right Bank)	TBC	Public engagement on the construction plans and approach for the future.
Westfield Beck	TBC	Engagement with the local community on approach/next steps.
March		
Newsletter sent out to mailing list, available at the Hub and on Citizen Space		
	TBC	York FAS Advisory Group Meeting
Tang Hall Beck	TBC	Engagement with the local community on proposals.
Osbalwick	TBC	Engagement with the local community on proposals.
Clementhorpe	TBC	Wider scheme initial detailed design engagement.
April		
CYC Election period begins – engagement limited		
Ancaster Malbis	TBC	Engagement with the local community on proposals.
South Beck	TBC	Engagement with the local community on proposals.
Fulford	TBC	Engagement with the local community on proposals.

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May

CYC election period begins – engagement limited

The Foss Communities

Planning documents available at the Hub

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