

Notice of a public

Decision Session - Executive Member for Environment and Climate Change

To: Councillor Widdowson (Executive Member)

Date: Monday, 2 September 2019

Time: 5.30 pm

Venue: The Thornton Room - Ground Floor, West Offices (G039)

AGENDA

Notice to Members – Post Decision Calling In:

Members are reminded that, should they wish to call in any item* on this agenda, notice must be given to Democratic Services by **4:00 pm** on **Wednesday, 4 September 2019**.

*With the exception of matters that have been the subject of a previous call in, require Full Council approval or are urgent, which are not subject to the call-in provisions. Any called in items will be considered by the Customer and Corporate Services Scrutiny Management Committee.

Written representations in respect of items on this agenda should be submitted to Democratic Services by **5.00 pm** on **Thursday, 29 August 2019**.

1. **Declarations of Interest**

At this point in the meeting, the Executive Member is asked to declare:

- any personal interests not included on the Register of Interests
- any prejudicial interests or

- any disclosable pecuniary interests which she might have in respect of business on this agenda.

2. Minutes (Pages 1 - 6)

To approve and sign the minutes of the Decision Session of the Executive Member for Environment held on 11 March 2019.

3. Public Participation

At this point in the meeting, members of the public who have registered to speak can do so. The deadline for registering is **5.00pm on Friday, 30 August 2019**. Members of the public can speak on agenda items or matters within the Executive Member's remit.

To register to speak please contact the Democracy Officer for the meeting, on the details at the foot of the agenda.

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Residents are welcome to photograph, film or record Councillors and Officers at all meetings open to the press and public. This includes the use of social media reporting, i.e. tweeting. Anyone wishing to film, record or take photos at any public meeting should contact the Democracy Officer in advance of the meeting. Contact details are at the foot of this agenda.

The Council's protocol on Webcasting, Filming & Recording of Meetings ensures that these practices are carried out in a manner both respectful to the conduct of the meeting and all those present. It can be viewed at

https://www.york.gov.uk/downloads/file/11406/protocol_for_webcasting_film_and_recording_of_council_meetings_20160809

4. York 5 Year Flood Plan Update (Pages 7 - 28)

This report provides an update regarding progress on the York Five Year Flood Plan since the last update on 11 March 2019, including details of work carried out by the Environment Agency.

5. Urgent Business

Any other business which the Executive Member considers urgent under the Local Government Act 1972.

Democracy Officer:

Fiona Young

Telephone No- 01904 552030

Email- fiona.young@york.gov.uk

For more information about any of the following please contact the Democratic Services Officer responsible for servicing this meeting:

- Registering to speak
- Business of the meeting
- Any special arrangements
- Copies of reports and
- For receiving reports in other formats

Contact details are set out above.

This information can be provided in your own language.

我們也用您們的語言提供這個信息 (Cantonese)

এই তথ্য আপনার নিজের ভাষায় দেয়া যেতে পারে। (Bengali)

Ta informacja może być dostarczona w twoim własnym języku. (Polish)

Bu bilgiyi kendi dilinizde almanız mümkündür. (Turkish)

یہ معلومات آپ کی اپنی زبان (بولی) میں بھی مہیا کی جاسکتی ہیں۔ (Urdu)

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City of York Council

Committee Minutes

Meeting	Decision Session - Executive Member for Environment
Date	11 March 2019
Present	Councillor Waller

39. Declarations of Interest

The Executive Member confirmed that he had no personal interests not included on the Register of Interests, nor any prejudicial or disclosable pecuniary interests, to declare in the business on the agenda.

40. Minutes

Resolved: That the minutes of the Decision Session held on 7 January 2019 be approved and signed by the Executive Member as a correct record.

41. Public Participation

It was reported that there had been one registration to speak at the session under the Council's Public Participation Scheme.

Sam Biram spoke on Agenda Item 4 (Green Waste Collection Petition) in support of the petition, noting that 75% of Micklegate residents were not on a green waste route and that residents would prefer green waste bags to bins.

42. Green Waste Collection Petition

The Executive Member considered a report which sought a decision on the action to be taken in response to a petition received from residents of East Mount Road regarding green waste collection.

The petition, signed by 39 residents, called on the council to look for suitable collection arrangements for green waste in their road. East Mount Road was currently in a bagged waste collection area and council policy was not to collect green waste in these areas. However, officers were currently undertaking a review to consider whether some bagged waste areas could be moved to a wheelie bin collection service. Options available were therefore:

Option 1 – to note the petition and take no further action, or

Option 2 – consider future provision as part of the ongoing bags to bins project, later in 2019. This was the recommended option.

In response to matters raised under public participation, officers confirmed that, for health and safety reasons, the council did not provide a bagged collection service for green waste.

Resolved: That Option 2 be approved and that future provision be considered later in 2019, as part of the ongoing bags to bins project.

Reason: In order to respond to residents' concerns and progress the provision of green waste collection in accordance with the outcome of the bags to bins project in this area of the city.

43. York 5 Year Flood Plan Update

The Executive Member considered a report which provided an update on progress against the York Five Year Flood Plan in York. An officer from the Environment Agency (EA) was in attendance to present the update and answer questions.

Annex 1 to the report detailed work carried out by the EA since the last update, on 10 December 2018. It included a summary of city-wide activities, an update on work in each flood cell and progress on the York Flood Alleviation Scheme six month public engagement programme.

The EA officer gave a further update on activities within individual flood cells and, with council officers, responded to questions from the Executive Member, confirming that:

- £28m was now expected to be spent on the Foss Barrier, including replacement gates.
- Where work required tree removal, normal mitigation measures would apply in terms of re-planting.
- All roads prone to flooding could benefit from flood grant aid, but for roads without properties the benefits were limited.
- Council officers were engaging with the EA on the pumping requirements within individual flood cells.
- Advice on property flood resilience, based on independent surveys, would be provided to property owners (cell B8).
- Residents would be kept informed on the work carried out in Almerly Tce / St Peter's School under permitted development rights (cell B11).

- Officers recognised that the EA was making good progress, with construction to begin on four sites in the current year, and that this progress needed to be maintained.

Resolved: (i) That the updated report, and the information provided at the session by the Environment Agency (EA) and council officers, be noted.

(ii) That officers be requested to prepare a report to Executive regarding an appropriate budget allocation for the work connected with signing up to be part of the Northern Forest through the White Rose Forest partnership and Leeds City Region.

(iii) That officers be requested to work with the EA on an holistic approach to the replacement of trees removed as a result of flood schemes, and to planting upstream and within the city to help with Natural Flood Management, taking account of any notional fees to be charged for the removal of trees.

(iv) That officers be requested to develop a plan for an upgrade to Burdyke Pumping Station, to take account of different restrictions on funding streams with partners.

(v) That officers be requested to bring forward schemes with partners for:

- Clifton Green / Burdyke
- Shipton Road / Blue Beck
- Tower Street / River Foss
- Bishopthorpe Road (Middlethorpe)
- Naburn.

Reason: To confirm that the Executive Member is aware of the current position regarding progress on the 5 Year Flood Plan and to ensure that progress continues to be made on flood alleviation and prevention in the City of York.

44. York 13 August 2018 Section 19 Surface Water Flood Event Investigation

The Executive Member considered a report which presented the results and recommendations of an investigation carried out by the council's Flood Risk Management Team into the impact of the intense rainfall that occurred across the city on 13 August 2018.

The council had investigated all recorded incidents and worked with partners in Yorkshire Water and the Foss Internal Drainage Board to gather further information on the impact and causes of flooding. The Investigation Report, attached as Annex 1 to the cover report, detailed the 13 August event from the forecasting phase through to the location of the 123 flooded areas, individual findings and actions in respect of each area (listed by ward in the table annexed to the Investigation Report), and the resulting recommendations.

Officers noted that the Haxby / Wigginton public consultation meeting mentioned in paragraph 10 of the cover report had been deferred to later in the year. In response to questions from the Executive Member, they confirmed that:

- It was intended to make information from the digital rain gauge network publicly available in the future.
- A drainage solution had been identified for Carr Lane (no.1 on the table), with work programmed to start in April;
- Further enquiries would need to be made in respect of run-off from the new hospital on Haxby Road and progress on some of the ongoing schemes listed in the table.

Resolved: (i) That the report at Annex 1 be noted and the key recommendations, as summarised below, be supported:

- a) City of York Council (CYC) to work with all partners to develop an increased understanding of flood resilience through the update of the Local Flood Risk Strategy and the communications around the York Flood Alleviation Scheme (FAS).
- b) CYC to support the findings of the ongoing gully management review.
- c) CYC to raise awareness of surface water management techniques with planning partners and internal highways design teams.
- d) CYC Flood Risk Management team to prepare a report for the Executive recommending the need to develop and fund a network of digital rain gauges in the city.
- e) All ongoing investigations and works detailed in the report to be completed.

f) CYC to take a lead to ensure the ownership, management, operation and maintenance of Westfield Beck Pumping Station is clarified, as this played an important role during the event.

(ii) That a report on any outstanding issues from this event be brought to the Decision Session with the next quarterly Flood Plan report, with the emphasis on those areas where internal flooding took place.

Reason: In order to respond appropriately to the effects of the event, resolve the issues that arose and provide increased understanding and awareness of the risk of surface water flooding across York communities.

Cllr A Waller, Executive Member

[The meeting started at 5.30 pm and finished at 6.30 pm].

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Decision Session of the Executive Member for
Environment and Climate Change

2 September 2019

Report of the Director of Economy & Place

York 5 Year Flood Plan Update

Summary

1. The flooding in late December 2015 followed an intense period of rainfall across November and December due to the impacts of Storms Desmond and Eva. Record river levels were observed in many river catchments across the north of England. More than 4000 homes and 2000 businesses flooded across Yorkshire with 453 properties and 174 businesses flooded in York.
2. Funding has been allocated to the Environment Agency (EA) following the floods to renew existing and provide new flood defences across the city, £17m has been allocated to the Foss Barrier improvements and £45m to the wider flood defences across the city.
3. An update on progress has been supplied by the EA, this can be seen in Annex 1.
4. Funding has been awarded to City of York Council by the Environment Agency to lead and develop a property flood resilience pathfinder project to enable better uptake of resilience measures across Yorkshire. Details of the pathfinder project are provided in Annex 2.

Recommendations

5. The Executive Member for the Environment and Climate Change is asked to note the updated report and the evidence presented by the Environment Agency in the session, feedback is sought from the Executive Member on all content.

Background

6. Following the development and publication of the York Five Year Plan (<https://www.gov.uk/government/publications/york-5-year-flood-plan>) the

EA have developed the Defra Strategic Outline Business Case and financial approvals have been sought and obtained from Defra. Detailed businesses cases are being developed for 19 flood cells across the city.

7. The Environment Agency continue to work closely with City of York Council on all aspects of the York Five Year Plan, an update has been provided by the EA at Annex 1.
8. Following a national scale competitive funding process City of York Council have developed a collaborative project drawing on the skills and experiences of all Lead Local Flood Authorities and partners across the Yorkshire Regional Flood and Coastal Committee area.
9. The Yorkshire Future Flood Resilience Pathfinder project is detailed in Annex 2 of this report, City of York Council will lead on the delivery of the project which aims to increase awareness, knowledge and uptake of property level resilience measures across Yorkshire. Future updates on the project will be brought to the decision making session as necessary.

Consultation

10. Public consultation on the York Five Year Plan continues through a range of flood cells, this is detailed in the update in Annex1 along with the programme of future consultation events.

Options

11. The principal options open to the Executive Member for Environment and Climate Change are to comment on and review the work undertaken to date, the future work identified and the representations made by the Environment Agency.

Analysis

12. Ongoing liaison will continue between the Executive Member for Environment and the CYC Flood Risk Manager, future briefings to the Executive Member for Environment and Climate Change Decision Session will be made to ensure key outputs and decisions are supported by CYC and to provide formal opportunities for members and the public to consult. Further recommendations will be made for agreement at these sessions.

Council Plan

13. Improved provision of flood defences supports a prosperous city for all through safer communities for residents, businesses and visitors, a wide

range of consultation events will ensure this is in line with the needs and expectations of local communities.

Implications

14. **Financial** – Funding is allocated directly to the EA, the additional funding of £45M is available to be directed towards key flood risk projects in the city in the short term. The extent of required works may require wider funding and Defra funding bids will be developed. There are likely to be contribution requirements as part of this wider work.
15. **Property** – The Site Investigation programme will include sites under CYC ownership and/or control, consultation will be carried out with Estates teams and all relevant agreements will be put in place.
16. Human Resources (HR) – No implications
One Planet Council/Equalities – No implications
Legal – No implications
Crime and Disorder – No implications
Information Technology (IT) – No implication

Risk Management

17. No known risks are identified at this time, detailed risk management work will be developed as the business case and detailed design works commence.

Contact Details

Author:

**Steve Wragg
Flood Risk Manager
Highways
01904 553401**

Chief Officer Responsible for the report:

**Neil Ferris
Director of Economy & Place**

Report **Date** 02/08/19
Approved

Wards Affected: List wards or tick box to indicate all **All**

For further information please contact the author of the report

Background Papers: None

**Annexes: Annex 1 York 5 Year Flood Plan Update Sept19
Annex 2 York PFR Pathfinder Project Sept 19**

Update for September'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:

1. Summary of city wide flood alleviation activities
2. Update on each flood cell
3. Engagement plan for the next few months
4. Programme information table
5. Map of the York Five Year Plan Flood cell outlines
6. Annex A: York Portfolio Prioritisation Note April 2019

1. Summary of city wide flood alleviation activities

Construction is under way in two of our flood cells. The North St and Memorial Gardens flood defence was the first to start construction and will be finished before the Remembrance Sunday service and parade on the 10th of November. We have also started raising the flood embankment in the grounds of St Peters School on the Left Bank of the River Ouse. This is Phase 1 of construction in this flood cell and will continue until November of this year. To minimise disruption to residents phases 2 and 3 will run in conjunction and are expected to start in spring of 2020.

The two planning application submissions that were made earlier this year, B10 – Clifton and Rawcliffe and B8 – Clementhorpe, are both still awaiting confirmation of when they will be addressed at Planning Committee. Both these schemes have attracted a number of objections and concerns and requests for further information. Both schemes are facing a delayed start to construction if approved.

The York Property Flood Resilience Scheme (PFR) is progressing well and the first two flood cells, B16 – New Walk and B8 – South Bank, have received LPRG approval. We have conducted further engagement with residents along New Walk to increase uptake of the scheme. This will now be repeated in South Bank.

We are also working toward planning application submissions for the Foss Flood Storage Area, B11 – Almerly Terrace steps and the Network Rail embankment, B12 – Marygate and Museum Gardens and C1 – Bishopthorpe. We anticipate submitting these requests this Autumn.

2. 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.

Flood Cell	Detail	Current/Next Activity
<p>B4 – Scarborough Bridge to Ouse Bridge (Right Bank)</p>	<p>Construction work has now started fully on site.</p> <ul style="list-style-type: none"> • We are increasing the height of the Lendal Bridge flood gate (by 300mm) and existing flood walls and flood gates at North Street gardens (by 380mm). This work includes widening of the flood gate adjacent to the Hub. • Planning permission has been granted for a new flood wall which will be constructed around Memorial Gardens with demountable defences and a small embankment to tie it into the existing line of defence. • The road between Westgate Apartments and the Post Office building will continue to be sandbagged in a flood event. <p>This scheme will better protect 39 properties.</p>	<ul style="list-style-type: none"> • The FBC was approved by LPRG in April. • Where the defence is temporarily compromised due to the construction work, there are sufficient sand bags on site to reinstate the flood defence to its original height should the need arise. • Night-time working has been confirmed for the summer holiday period to avoid having to close the road during the day. A newsletter is being written to inform the community.
<p>B7 - Queen's Staith and Skeldergate</p>	<p>PFR has been identified as the most technically viable option from the appraisal for B7. There are a number of issues in the flood cell including seepage under and around existing buildings, Yorkshire Water assets running the length of the cell which could become a conduit for flood waters to bypass defences and structural suitability of buildings to form part of the defence line. A number of assumptions have been made regarding these issues particularly with regards to seepage, causing City of York Council to request that we investigate further.</p>	<ul style="list-style-type: none"> • Ongoing modelling/investigation into flooding flow routes/seepage. • Ongoing review of technical note to gather a second opinion on the options and construction feasibility of a scheme.

<p>B8 - Clementhorpe and South Bank</p>	<p>Clementhorpe – our proposal is as follows</p> <ul style="list-style-type: none"> • Raising of the 4 corners of the boundary wall at Postern Close and Postern House. • 1.85m bi-fold flood gate on Clementhorpe. • New 1.85m flood wall in front of Waterfront House with glass panel inserts and structural glass. An extra step will be added to the existing steps between Waterfront House and Dukes Wharf. • Road raising and extension to existing wall at Dukes Wharf. • Lower Ebor Street flood wall has been raised by Roomzzz and an extension will be completed by Roomzzz on our behalf to the north corner of the site • Increase the height of existing flood wall at the Caravan Park by 0.3m and embankments by raising with piles and wall (by 0.4m) and build a new embankment to the rear of the site. The road access by Vine Street will be raised by 0.4m. • Anne Street/Rowntree Park entrance: Curb raising to follow existing fence line around the top side of the park. Shallow embankment of 0.3m with a new pedestrian access ramp. <p>This scheme will better protect 148 properties.</p>	<ul style="list-style-type: none"> • Planning application was submitted on Thursday 21th March. Expect to be called to Planning Committee TBC. • Ongoing public engagement to inform of constraints and difficulties in this area and gather local knowledge and suggestions for alternative solutions.
	<p>South Bank</p> <ul style="list-style-type: none"> • PFR has been determined as the preferred option for the South Bank section of Flood Cell B8. The appraisal did not identify any economically viable options for the South Bank and as such PFR has been offered as mitigation to the small potential increase in risk caused by our works upstream on the River Ouse and improvement works at the Foss Barrier. 	<p>South Bank is currently at stage 2 in the PFR process, Letters were sent to all properties in December 2018 requesting residents to confirm their inclusion in the York FAS. Only 32% of residents have responded so far.</p> <p>Next steps:</p> <ul style="list-style-type: none"> • Improve public perception of PFR including examples of where this option has worked – potential to share experiences with other residents. • Improve sign up for the initial surveys – door knocking planned for Aug/Sep 2019.
<p>B9 - Fulford</p>	<p>Flood defence work in this cell will be delivered by CYC in partnership with EA.</p>	<p>Support CYC to deliver flood defence in this cell</p>
<p>B10 - Clifton & Rawcliffe</p>	<p>We have submitted planning application to raise and extend the existing Clifton Ings Barrier Bank and install a permanent pumping station at Blue Beck. This will better protect 140 properties.</p> <p>Due to concerns and information requests this application is expected to go to planning committee in Aug. If CYC are to approve the application, it is expected that it will first need to undergo assessment by the Department of Homes and Communities and could be escalated to the Secretary of State.</p>	<p>We have responded to Natural England and CYC Ecologists and are awaiting further response. Expect planning application to go to the August planning committee.</p>

<p>B11 - Coppins Farm to Scarborough Bridge (Left Bank)</p>	<p>Construction work has now started in St Peters School fields. Within this cell, we are proposing:</p> <ul style="list-style-type: none"> • Raise the existing embankment on the right bank of the River Ouse, in the grounds of St Peter’s School, linking it to a new flood wall on the north eastern side of the school grounds. • Raise the existing flood wall and gates using glass panels at Almerly Terrace and, at the same time, carry out matching works to the flood wall at Earlsborough Terrace (B12). • Offer Property Flood Resilience improvements to three properties on Government House Road. • Raise the clay cover on the Network Rain embankment. <p>This scheme will better protect 156 properties.</p>	<ul style="list-style-type: none"> • FBC has been approved by LPRG. • The wall raising on Almerly Terrace has been postponed until Spring 2020 to align with the work on the Rail embankment. This will minimise disruption to residents and users of the riverside path. • Planning application submission expected Sep 2019. • A separate Burdyke modelling study by Aecom has started so that we can fully understand the cause of flooding from this tributary. There continues to be outstanding data from Yorkshire Water which is being chased and escalated.
<p>B12 - Scarborough Bridge to Lendal Bridge (Left Bank)</p>	<p>Within this cell, we are proposing to:</p> <ul style="list-style-type: none"> • Raise the flood wall along Earlsborough Terrace by 30 centimetres with glass panels and, at the same time, carry out matching works to the flood wall at Almerly Terrace (B11). • Increase the height of the floodgate on Marygate. • Raise the embankment in Museum Gardens. • Formalise the property flood resilient measures at Lendal Tower. <p>This scheme will better protect 57 properties.</p>	<ul style="list-style-type: none"> • FBC has been approved by LPRG. • Planning application submission expected Sep 2019. • We are planning to start mobilisation in Sep 2019, however the work on the embankment through Museum gardens is not due to start until June 2021.
<p>B15 - King's Staith to Skeldergate Bridge</p>	<p>PFR has been determined as the preferred option for this flood cell, the appraisal determined PFR as the most technically and economically viable option.</p>	<ul style="list-style-type: none"> • Further investigations required to ascertain seepage and therefore effectiveness of PFR in this location • No community engagement has taken place for this flood cell yet.

B16 - New Walk	<p>PFR has been determined as the preferred option for this flood cell, the appraisal did not identify any economically viable options for B16, including PFR. However, PFR has been offered as mitigation to the small potential increase in risk caused by our works upstream on the River Ouse and improvement works at the Foss Barrier.</p>	<p>New Walk is currently at stage 3 in the PFR process, Resilience surveys have been completed for all properties. These were completed, in February 2018, by JBA Consulting prior to the publication of the new PFR Framework. All residents received their reports, in April 2018, and had an opportunity to provide feedback</p> <p>Residents have been well informed in this flood cell, with high levels of community and individual engagement/communication. We have requested residents to confirm their inclusion in the scheme and to date have received responses from 63% of residents.</p> <p>Next steps:</p> <ul style="list-style-type: none"> • Confirm final properties for inclusion in the scheme – door knocking tool place on 23rd of July 2019. • Measurement surveys to be carried out once supplier appointed
C1 - Bishopthorpe	<p>To reduce the risk of flooding to over 100 properties in this flood cell, we propose to:</p> <ul style="list-style-type: none"> • Raise and extend the existing wall on the border of the Dell and Chantry Lane which will include a 7 metre deep cut off. • Install a new penstock on the Yorkshire water asset. • Build a new flood gate and flood wall at the top of Chantry Lane. 	<p>Once our detailed designs are firmed up, we intend to consult wider with the residents of the village, to explain and gain support for the proposals.</p>
C2 - Acaster Malbis	<p>PFR has been determined as the preferred option for this flood cell, the appraisal determined PFR as the most technically and economically viable option.</p>	<p>No community engagement has taken place for this flood cell yet.</p>
C3 - Naburn	<p>We are currently reviewing options to reduce the risk of flooding to properties in this flood cell. Designs are not complete and a preferred option has not been agreed.</p>	<p>Further economic appraisal required.</p>
Foss barrier	<p>In addition to the extensive upgrade to the pumping station we are upgrading the barrier gate and need to address raising the flood walls around St Georges Field Car Park.</p> <p>My Castle Gateway are proposing a new Multi Storey Car Park on this site and are submitting plans which includes a raised access road to maintain access during a flood event.</p>	<p>We are in continual engagement with the Castle Gateway design team to help ensure their proposals are compatible with construction within a functional flood plan.</p>

<p>F4/F5 - Tang Hall Beck and Osbaldwick Beck</p>	<p>Within this cell, we propose to:</p> <ul style="list-style-type: none"> • Reinforce the walls and raise the existing access ramp to the James Street Traveller site. • Increase the flood flow capacity through the St Nicks site by creating a new channel. • Install low level flow routing methods to divert flows away from at risk properties. • Install a new culvert under Melrosegate. <p>This scheme will better protect 263 properties.</p>	<p>CCTV and Topo Survey Contractor has been appointed with ground investigation currently underway.</p>
<p>F9 - South Beck</p>	<p>Flow routing options and low level walls have been discounted in this flood cell as they will not provide the required flood protection.</p>	<p>Ongoing review and appraisals, however it would appear at this stage that a scheme is unlikely to be viable and hence proceed in this cell.</p>
<p>F8 - Groves to Haley's Terrace F10 - Haley's Terrace to Link Road F11 - Link Road to Ring Road</p>	<p>To provide flood defence to 300 properties along the Foss we are proposing an online Flood Storage Area 2km north-east of Strensall, between Walbutts Farm and East Liling Grange Farm. Flood Storage Areas help to reduce flood levels downstream by temporarily holding back flood water.</p>	<p>We expect to submit a joint planning application to CYC and Ryedale in Sep 2019</p>
<p>F12 - Westfield Beck</p>	<p>Further appraisal work is ongoing to agree a way forward in this flood cell. We are in discussions with Yorkshire Water regarding their infrastructure and surface water models and City of York Council regarding surface water flooding.</p>	<p>Ongoing review and appraisals. Formal request submitted to Yorkshire Water to share their surface water modelling data. We are still waiting for this data from Yorkshire Water.</p>

3. Engagement plan for the next few months

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 and by providing information at our Community Flood Hub which is situated on Wellington Row and open 10am to 4pm Mon, Wed and Thurs.

Hub displays

	Aug	Sep	Oct	Nov	Dec	Jan
Planning/construction information	B12 Planning	C1 Planning FSA Planning	C1 Planning FSA Planning	PFR	PFR	F4/F5
Other display	Habitats	Natural Flood Management	Nature Matters	Flood defences	Climate change	Resilient Gardens

Planned activities

July 2019		
Foss Cells	From 1st July	Presentations to landowners to explain modelled land drainage
Lower Bootham and Marygate	12 July	Public drop-in event for local residents and frequent users of the riverside path to update on project timescales and plans.
Clementhorpe	15 July	Attendance at Councillor led public meeting to present current options and engage with local community.
CYC	23 July	Attendance at CYC CastleGateway Advisory Group meeting
RFCC	25 July	Attendance at the Quartely Yorkshire Regional Flood and Coastal Committee meeting
August 2019		
Foss Barrier	5th Aug	Testing of the Foss Barrier gate
Museum Gardens	all month	Display boards in the Hub and at Museum Gardens to inform of planned work
September 2019		
Quarterly City Wide Newsletter sent out to mailing list, available at the Hub and on Citizen Space		
CYC/Statutory Bodies	2 Sept	CYC Executive Decision Session
	TBC	CYC Scrutiny Committee
	25-Sep	Quarterly York FAS Advisory Group Meeting at Foss House
NYFRP	4 Sep	Quarterly North Yorkshire Flood Risk Partnership Meeting at CYC West Offices
Coppins Farm to Scarborough Bridge	9 Sep	mid-phase Newsletter sent out to mailing list, available at the Hub and on Citizen Space
Foss FSA	w/c 9 Sep	Engage with Cllrs and Parish councils
Foss FSA	w/c 9 Sep	Engage with residents who are eligible for PFR
PFR	w/c 17 Sep	Engage with residents in flood cells B7 and B15 who are eligible for PFR
Foss FSA	w/c 23 Sep	Public drop-in event for local community to inform of planned work
Clementhorpe	TBC	Public drop-in/workshop to engage with cyclist and walkers around access and diversions
October 2019		
Coppins Farm to Scarborough Bridge	TBC	Newsletter to announce Phase 1 completion/Phase 2 start for B11 scheme
Bishopthorpe	w/c 21 Oct	Community Engagement
November 2019		

City Wide	w/c 11 Nov	York Business Week
December 2019		
Quarterly City Wide Newsletter sent out to mailing list, available at the Hub and on Citizen Space		
CYC/Statutory Bodies	16 Dec	CYC Executive Decision Session
	18-Dec	Quarterly York FAS Advisory Group Meeting at Foss House
Foss Barrier	w/c 2 Dec	Planned replacement of new gate and bridge
Foss FSA	w/c 2 Dec	Public engagement to inform of construction plans

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.

- Our quarterly newsletter, next due September 2019.
- Quarterly meetings of a stakeholder Advisory Group, with representatives of key CYC departments, statutory bodies and influential local groups.
- Letter drops and press releases notifying of potentially disruptive works e.g. GI, survey work.
- Regular updates to the dedicated York FAS facebook page and through the Environment Agency Yorkshire twitter feed.

Citizen Space – an online portal that allows residents to view all engagement material and provide feedback. (<https://consult.environment-agency.gov.uk/yorkshire/yorkfas/>)

4. Programme Information Table

Flood Cell	Estimated total cost (£k)	Full Business Case	Planning Permission	Construction Start	Estimated Construction Period
B4 - Scarborough to Ouse Bridge (Right Bank)	2,557	Approved by LPGR Apr 2019	Planning application was Approved 5 th March 2019	4 th June 2019	5 months
B7 - Queen's Staith and Skeldergate	327	TBC	Not required	Property surveys planned early 2020 followed by installation	
B8 - Clementhorpe South Bank	8,079	Approved by LPGR Jun 2019	Planning application has been submitted. Determination Deadline was 17 th May 2019 Planning Committee TBC	Planned Aug 2019 – delayed due to planning process	18 months
B9 - Fulford	CYC to lead on delivery and funding				
B10 - Clifton & Rawcliffe	12,428	Planned submission Oct 2019	Planning application has been submitted. Determination Deadline was 25 th Apr 2019 Planning Committee Date TBC	Planned Apr 2020	24 months
B11 - Coppins Farm to Scarborough Bridge (Left Bank)	3,664	Approved by LPGR May 2019	Planned submission Sep 2019 (for Almerly Terrace steps and Network Rail embankment only)	July 2019 – ST Peters School field	2 construction seasons

Annex 1

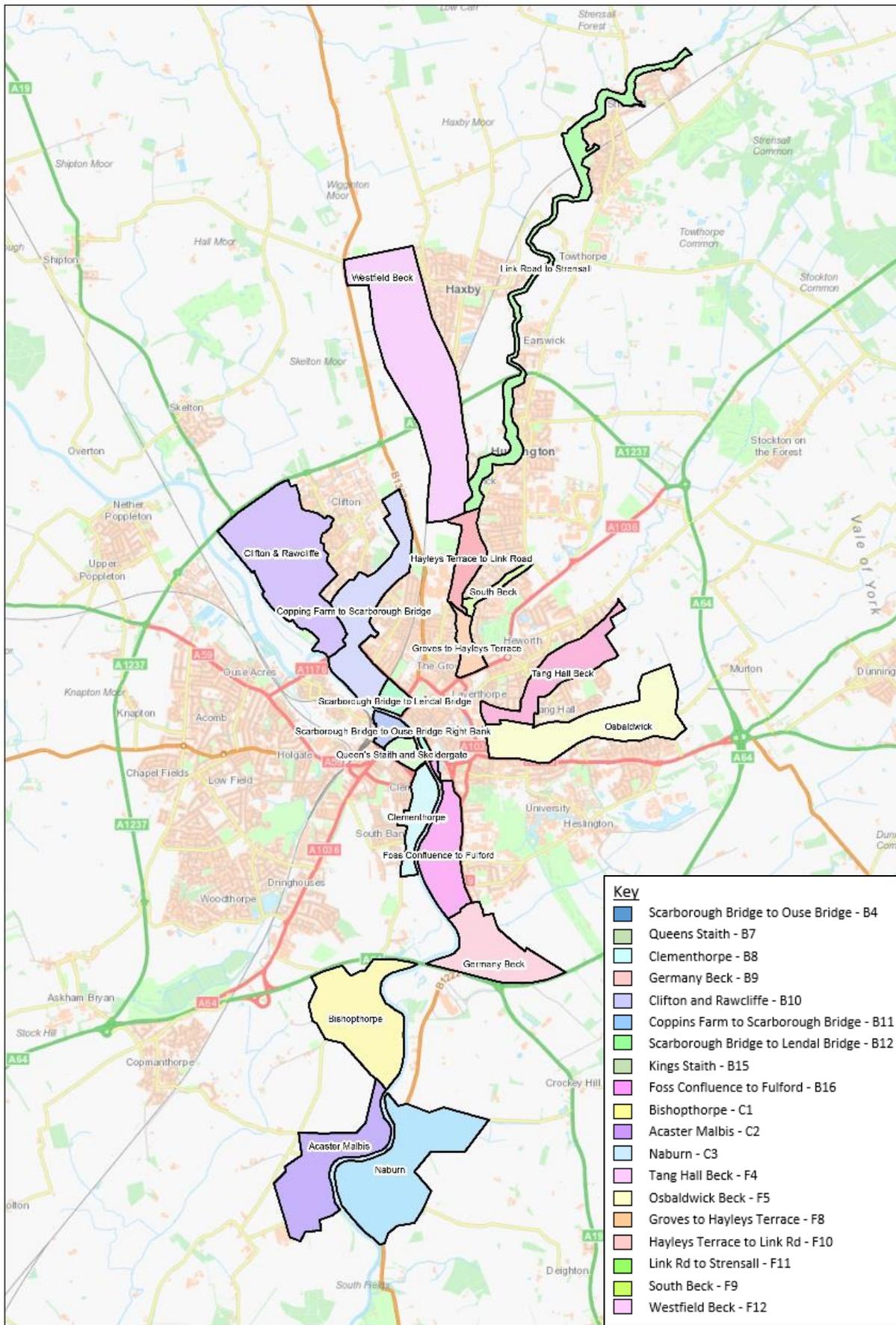
B12 - Scarborough Bridge to Lendal Bridge (Left Bank)	1,672	Approved by LPGR May 2019	Planned submission Aug/Sep 2019	Planned mobilisation Sep 2019 Embankment Jun 2021	5 months 3 months
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B15 - King's Staith to Skeldergate Bridge	475	Submitted 24 th May 2019 Awaiting LPRG approval	Not required	Property surveys planned early 2020 followed by installation	
B16 - New Walk	1,000	Submitted 24 th May 2019 Awaiting LPRG approval	Not required	Installation start planned end of 2019	
C1 - Bishopthorpe	790	Planned submission Oct 2019	Planned submission Sep 2019	Planned Mar 2020	4 months
C2 - Acaster Malbis	235	Submitted 24 th May 2019 Awaiting LPRG approval	Not required	Property surveys planned early 2020 followed by installation	
C3 - Naburn	Not yet approved	TBC	TBC	TBC	TBC
F4 - Tang Hall Beck F5 - Osbaldwick Beck	8,000	Planned submission Aug 2020	TBC	Planned Oct 2020	TBC
F8 - Groves to Haley's Terrace F10 - Haley's Terrace to Link Road F11 - Link Road to Ring Road	13,640	Planned submission Apr 2020	Planned submission Sep 2019	Planned May 2020	18 months
F9 - South Beck	2,015	TBC	TBC	TBC	TBC
F12 - Westfield Beck	3,533	Planned submission Nov 2020	TBC	Planned Feb 2021	TBC

Key

Confirmed

Planned/expected



York FAS: Flood Cell Prioritisation

Date: April 2019

Introduction

This briefing note presents the results of ongoing analysis into the prioritisation of flood cells that are associated with the York Flood Portfolio. Specifically, it gives a background to our current position and what is achievable within our agreed budget. This is based on Defra guidance and data from the appraisals following the approval of the portfolio Outline Business Case (OBC) in January 2019. Prioritisation was carried out during OBC stage and now some of the cells have progressed to Full Business Case approval, prioritisation has been updated with the best current understanding.

In addition to the above this note is seeking to confirm our order of approach to the delivery of each flood cell to enable effective planning and prioritisation of our workload and ensure successful delivery for the Environment Agency and key partners.

Background

Following the significant flood event in York in December 2015, the UK Government committed £45.2m to improve the Standard of Protection (SoP) across the city by 2021. The £45.2m was then combined with £5.4m that already existed in the programme to create a total of £50.6m for the full portfolio. A further £18.4m has been bid for, however this is awaiting confirmation by UK Government for further flood defence work in York post 2021.

When the £45.2m funding announcement was made by Rory Stewart, Floods Minister, he said *“The focus for schemes funded by the additional capital spending will be those that help communities at highest risk and secure economic growth, particularly in areas that were affected in December.”*

The York portfolio was initially made up of 29 flood cells, however as initial investigation was carried out, based on better understanding of the risks and issues in the city, 19 flood cells were taken forward at Strategic Outline Case stage into appraisal. Some of the 29 flood cells were also not taken forward due to protection being provided by the Foss Barrier scheme. The 19 flood cells were then progressed through to OBC, some of which have been merged to create 16 individual projects.

The York portfolio was prioritised in the OBC after which efforts were put to developing the first 9 cells based on available resources within the Environment Agency and with our suppliers. The 9 cells were chosen to progress based on this sustainable resourcing but also to maximise both early spend and achievement of the highest profile OM2's. The primary aim of the York portfolio is to deliver maximum value for the Environment Agency and protect the highest number of residents, thus helping the Environment Agency to achieve their national 300,000 target and their local target of 2,000 properties better protected by 2021.

Flood cell Prioritisation Methodology

The below methodology was used to create a clear priority system to define which cells are developed, using the best available information for each flood cell. A second system is then used to select the actual preferred solution for each cell, however this work is carried out at project level. Prioritisation and ranking of the 16 flood cell projects in Section 4.0 is necessary to ensure maximum value can be achieved throughout York city by:

1. Maximising the number of households moved out of any flood probability category to a lower category (**OM2**);

Focusing on flood cells which are economically viable and provide sufficient benefits to residents, stakeholders and the Environment Agency (**Benefit Cost Ratio**);

Considering the opportunity for communities in York to invest in (and benefit from) local flood and coastal erosion risk management (FCERM) measures, that could not be afforded from central government funding alone (**Partnership Funding**);

Maximising the number of properties benefitting from a reduction to the frequency and/or severity of direct damages due to flooding (**Better Protected**); and

Delivering value for the Environment Agency through their partners by promoting efficiencies in design and construction (**Cost**).

The York portfolio has a number of critical factors beyond the list above and to effectively prioritise the flood cells to ensure all aspects should be included for cells to be progressed to the expectation of all key stakeholders. To include these additional factors a universal scoring system has been developed to allow all factors to be compared together.

Benefit Cost Ratio has been assessed with a score ranging from 1-3 with the following weighting; 1 for a BCR of less than 1; 2 for a BCR between 1 and 2; and 3 for a BCR above 2.

OM2 summary has been assessed with a score ranging from 1-3 with the following weighting; 1 for 0-25 OM2's; 2 for 25-75 OM2's; and 3 for over 75 OM2's.

Additional factors included have also been weighted 1-3 and are:

Political Influence- this includes cells that have previous expectations set by demanding timescales.

Transport Routes- based on the impact of flooding that has a large influence on key transport routes into and through the city.

Environmental Benefits- for cells which when delivered have a positive environmental benefit.

Frequency of Flooding- to include cells that although OM2's may not be high, the frequency and therefore repetitive impact of flooding is an important aspect.

Flood Cell Prioritisation

									BCR Score	OM2 Summary	Political Influence	Transport Routes	Env Benefits	Frequency of Flooding	Pr
No	Flood Cell	Cell Name	BCR	Total cost (£k)	FDGiA (£k)	Booster (£k)	OM2s	Better Protected	1-3 based on importance- 3 being the highest importance						
1	B10	Clifton and Rawcliffe	1.09	12,428	905	11,523	134	170	2	3	3	3	3	2	
2	B11	Copins Farm to Scarb Br	1.33	3,161		3,161	72	156	2	3	3	2	2	3	
3	F8,F10,F11	Upstream Storage	4.67	13,640	3,405	10,235	140	297	3	3	3	1	3	2	
4	B12	Scarborough Br to Lendal Br	3.86	1,672	126	1,546	0	57	3	1	3	2	2	3	
5	B4	Scarborough Br to Ouse Br	1.93	2,600		2,600	9	29	2	1	3	3	1	3	
6	B8	Clementhorpe	1.64	4,658	73	4,585	125	148	2	3	3	1	1	3	
7	F4, F5	Tang Hall Beck & Osbk Beck	2.65	8,000		8,000	148	263	3	3	2	1	1	2	
8	C1	Bishopthorpe	1.43	790	62	728	49	125	2	2	2	2	1	2	
9	B16	Foss Confluence to Fulford	0.32	1,000	23	977	9	25	1	1	3	1	1	3	
16	C3	Naburn	0.24	6,000		6,000	33	81	1	1	3	3	1	1	
10	F9	South Beck	3.05	2,015	443	1,572	43	45	3	2	1	1	1	1	
14	B9	Fulford and Germany Beck	1.63	124		124	0	2	2	1	3	1	1	1	
11	B7	Queens Staith and Skelderg	1.42	327	45	282	23	80	2	1	2	1	1	1	
12	C2	Acaster Malbis	3.68	235	52	183	8	41	3	1	1	1	1	1	
15	B15	Kings Staith	1.35	475	61	414	24	62	2	1	2	1	1	1	
13	F12	Westfield Beck	1.83	3,533		3,533	24	56	2	1	2	1	1	1	
		Total		£60,658	£5,195	£55,463	841	1637							

- Refer to the plan in Appendix A for location of each flood cell within York.
- B9 has been highlighted orange in the above table to denote delivery by City of York Council.

Conclusion

It is recommended that we continue to follow the prioritised list shown in Section 4.0, based on the above principles.

This approach will mean progress will be made as a priority for the first 9 flood cells with the rest of the portfolio being delivered once the priority cells are sufficiently developed.

Adopting this approach will help to ensure the delivery of:

- OM2s: 839;
- Properties Better Protected: 1637.
- Alongside the outcomes from the Foss Barrier scheme, the targets of 1,250 OM2's and 2,000 Better Protected properties will both be achieved by 2021.

Yorkshire Future Flood Resilience Pathfinder

The Yorkshire Future Flood Resilience Pathfinder project has been funded by the Environment Agency to a value of £574,000. The pathfinder will work with communities, planning and construction professionals, the construction industry and the insurance sector to deliver behaviour change that will lead to the increase in the usage of property flood resilience measures (PFR) across the Yorkshire Regional Flood and Coastal Committee (YRFCC) area. The YRFCC SCRIMP (Skills, Capacity, Resource Improvements) initiative, led by City of York Council, have developed the pathfinder project with all LLFA (Lead Local Flood Authorities) in the YRFCC area.

The Living with Water initiative in Hull and the East Riding are developing a learning and demonstration site at Wilberforce College, this will be adapted by the pathfinder project to showcase PFR measures.

Work Package 1

- YRFCC wide survey and benchmarking of current PFR knowledge and uptake, output analysis to inform the development of physical and educational materials. The Yorkshire Integrated Catchment Solutions Programme (iCASP) incorporating the Universities of Leeds, York and Sheffield will lead this work.

Work Package 2

- Co-development of a physical demonstration site at Wilberforce College with the Living with Water initiative. Classrooms, exhibits, physical models and demonstration materials to showcase PFR and wider flood risk measures.
- Development of a suite of educational and awareness materials, a portable PFR 'test rig' and production of a 'touring display' of PFR products to be used in regional events and temporarily installed at LLFA sites.
- Procurement and training of three YRFCC PFR Project Officers who will programme in and deliver all educational and awareness sessions during the final phase of the pathfinder.

Work Package 3

- Delivery of awareness/education presentations through all YRFCC areas to a range of recipients including – schools, local planning authority officers, developers, insurance industry, communities etc. More than 600 training days are anticipated during this phase.
- The Wilberforce College Learning Centre will deliver a programme of events for communities, partners and industry to showcase flood resilience and PFR.
- PFR interpretation and demonstration materials will be displayed in prominent parts of LLFA real estate

Stage 4

- Repeat survey work by iCASP to evidence and evaluate the impact of the project.

The project is funded from September 2019 to April 2021.