



Bandon Flood Relief Scheme Quarterly Newsletter



BYRNE LOOBY PHM McCARTHY

ISSUE NO. 7

MAY 2018

WELCOME

Welcome to the 7th issue of our newsletter providing an update on progress for Bandon Flood Relief Scheme. We look forward to completing the remaining components of the Bandon Flood Relief Scheme in 2018.

As Contractor on the project Wills Bros. Ltd would like to take this opportunity to thank the local and surrounding community as well as road users for their continued support and patience during the construction.

We will make every effort to minimise the disruption causes to residents, business owners and the general public.

Wills Bros. Ltd will be availing of the instream working season from May to September to complete the works in the river during 2018.



WORKS CARRIED OUT TO DATE

- River Dredging and side slope protection: O Driscoll's Bridge to Cork Road Roundabout
- Demolition of Existing and Construction of new Pedestrian Bridge
- Flood Defence Walls
 - Sheet Piling and Masonry Works to Watergate Street Wall
 - Sheet Piling and Masonry Works to Graham Norton Walk Wall



- Sheet Piling, Reinforced Concrete and Masonry Works to the Stretch Wall
- Sheet Piling, Rock Anchors and Reinforced Concrete Works to Glasslinn Road Wall
- Sheet Piling & Reinforced Concrete works to Mill Place Wall
- Flood Defence Embankments to Glasslinn Road, Ballylangley
- Archaeology at all locations including Bandon Weir, Brandon bridge and Bandon River dredging works
- Miscellaneous Works at Kilbrittan including;
 - Stream Culverts
 - Channel Improvement works
 - Fencing
 - Drainage diversions
 - Re-surfacing
- Miscellaneous Works at Mill River including;
 - Stream Culvert
 - In stream Improvement works
 - Fencing
 - Drainage diversions
 - Re-surfacing
- Various Drainage Works including;
 - Storm Drainage at Ballylangley/Glasslinn Road/Cork Marts Field
 - Storm Drainage at Monarone
 - Storm Drainage & Rising Mains at Brady Lane
 - Storm Drainage at Riverview Shopping Centre
- Various River outfall works



UPCOMING WORKS

In brief, the works that Wills Bros Ltd will be completing over this season will include:

- Re-commencement of large scale Bandon River dredging of the River Bandon from Cork Road roundabout to Bandon Weir
- Provision of a new fish pass structures at Bandon Weir, Bridewell River, Mill River and repairs to Bandon Weir,
- Completion of new 3-span Pedestrian B ridge;
- Underpinning of Bandon Bridge;
- Completion of new stone faced and reinforced concrete walls along the banks of the River Bandon;
- Continuing flood defence embankments on Ballylangley Road, Glasslinn Road, Mill River and at the Wastewater Treatment Plant.
- Construction of new walls to Bridewell River at the New Road including rehabilitation works.
- Completion of flood defence walls at Graham Norton Walk, Watergate Street, Glasslynn road & the Stretch
- Continuing flood defence walls at Mill Place/Cluid House
- Resurfacing works at Monarone/ Distillery Road.

- Lowering of rising mains underneath the Bandon River at Watergate Street
- Construction of new river walls at New Road

PROGRESS

The following is an update on Works on progressing this Summer

Dredging Works



In 2017 we started dredging downstream at O'Driscoll's Bridge which is the furthest point downstream and worked up as far as the roundabout on the Cork road. In addition, we also placed rock armour on both sides of the river up to that point. 2017 also allowed us to install thalwegs and pools in the river which involved excavation of lowered areas in the newly formed river bed and placement of large boulders in pools and a lowered channel in the river bed to maintain a sustainable depth of water for fish life for low flow events.

These works will continue during the Summer months in 2018 with dredging and bank protection works continuing from the roundabout up to the Bandon Bridge and beyond to the weir

Pedestrian Bridge

The construction of the new pedestrian bridge has now been completed with finishing works including stone work, paving & lighting having been carried out. The bridge was opened to the public on 25 May 2018 but may have to close temporarily in the future to carry out minor works



Flood Defence Walls

Flood defence wall construction is nearing completion at Graham Norton Walk, Watergate Street and the Stretch Wall. This involved the installation of sheet piles and the construction of new stone clad walls to the flood defence level. Works to Mill Place Wall (Cluid House) are ongoing and should be completed this Summer.



Bandon Bridge works

Works will also recommence at the Bandon Bridge which are the most critical and difficult component of the scheme. The lowering of the river bed and strengthening and securing Bandon Bridge is critical to the flood relief scheme. The bed of river under the bridge needs to be lowered by almost 3 meters. The current piers are sitting on bed stones, river gravels and rock which have to be removed and concrete installed in its place. These existing piers will be underpinned using bored concrete piles which will subsequently be clad with masonry.

Wills Bros Ltd carried out much of the archaeological works last summer where archaeologists Judith Carroll and Company, subcontracted by Wills Bros, uncovered wood beams under Bandon Bridge that may have related to a defensive structure and have been analysed. Part of the early 17th century town wall extending into the north side of the river in the same area has been uncovered during works and is a significant find. An underground passage close to the Stretch wall which is being impacted has been identified and related to a 17th century prison complex there.



Earthworks



Works have commenced on the construction of flood defence embankments at Ballylangley, the WWTP, Mill River and Glasslinn Road. These works will continue through May & June 2018

Bandon Weir Fish Pass

Extensive archaeological investigations took place during the Summer of 2017 allowing the new fish pass to be constructed this summer. Works are now going to commence at this location. The works include repairs to Bandon Weir together with the construction of a 13m wide x 130m long fish pass to allow access for fish past the Bandon Weir. Protection measures will also be in place to protect the Old



Town Wall which is located adjacent to the Bandon Weir



New Road

Works will commence this Summer on the restoration and rehabilitation of the Bridewell River walls at the New Road. These works include;

- Increasing the height of existing stone walls to design flood levels,
- Providing supporting concrete walls to existing stone walls,
- Construction of concrete parapets to pedestrian bridges adjacent to Bandon GAA,

WBL has liaised with Cork County Council in relation to traffic management works at this location. It is anticipated that lane restrictions will be required.



Resurfacing Works

The New Culverts at Kilbrittan Road and Mill River have been completed. Fencing, Safety Barrier, instream works and resurfacing works have also been carried out on Kilbrittan Road.

**River Wall Rehabilitation Works**

This Summer will see WBL carry out rehabilitation works to the Bandon River and Bridewell river walls. Such rehabilitation includes clearing of vegetation, cleaning of walls, replacement of masonry and repointing.

Environmental

Ecology and the environment plays a significant role within the flood relief project. As with the works carried out in Summer 2017, every effort will be made by Wills Bros Ltd to mitigate against the impacts of such a large infrastructure project on the local environment.

Aquatic species will be monitored and translocated out of harm's way. The

environmental team will use electrofishing in areas that are to be dewatered. This involves the use of an electrical current that momentarily stuns species such as minnow and salmonid fry. These can then be netted and returned to the main channel. The silt created during the dredging process are continuously recorded to ensure that levels are not exceeded to a point where the project has a detrimental



effect on aquatic species. Dredging times are also restricted to allow the river to clear on a daily basis.

Invasive species are also a big consideration on a project such as this. A treatment programme for the knotweed species and Himalayan balsam is being undertaken continuously.

Knotweed rhizomes are being transported to a reception site when they must be removed to facilitate the works. Rivus Ecological Engineering are employed by Wills Bros. Ltd as the Environmental Specialists for the project.

Traffic Management

Due to the works being undertaken in the coming Summer season, we will be implementing traffic management. WBL do not consider that any road closures will be required to carry out these works. However, traffic management will be in place in the following areas:

- McSwiney Quay – Access route to Bandon River at the junction of McSwiney quay/Weir Street
- Riverview Shopping Centre – Access through existing flood defence embankment to facilitate construction of Bandon Weir Fish Pass,
- Glasslinn Road – Traffic Management to facilitate construction of flood defence embankments and retaining walls (mainly hard shoulder),
- N71 Bandon – Innishannon – Traffic Lights and reduced speed limit to facilitate vehicle movements across N71,
- Traffic management including lane restrictions on New Road.,
- Access route to Bandon River at Sean McHale Place for Bandon Bridge Underpinning Works,
- Moanarone Regrading/Resurfacing
- Bridge LaneManagement

Again, we would like to reiterate that if any property owners or members of the community have any queries or concerns relating to the construction works, we are available in the site office from 8am – 6pm Monday to Friday or on the telephone number provided.

Should you have any queries or concerns relating to construction activities, please do not hesitate to contact one of our representatives on site during normal working hours 8am - 6pm or alternatively Tony Lowe, Community Liaison and Traffic Management Officer) on 087 0657208

All queries relating to the Scheme itself should be directed to Ger Barry, Employers Representative who can be contacted at 087 2074810

A Public Information Clinic is also available to members of the public who may have queries relating to the Scheme. This clinic is held at our site offices on the last Tuesday of each month between 16.30 and 18.30. Members of the public have an opportunity to meet with representatives from both the Contractor and the Employer. No appointments are necessary.

Email correspondence in relation to the scheme can be addressed to bandonfrs@byrneblooby.com.
bandonfrs@willsbros.com

Alternatively, a dedicated webpage has been set-up to communication and provide updates to the public throughout the duration of the scheme.

This can be found at www.bandonfrs.ie and will be updated regularly as the works progress and look forward to your continued cooperation during the construction of this contract.

BANDON FLOOD RELIEF SCHEME QUARTERLY NEWSLETTER

Details of parties involved in the Scheme:

Contractor:



Contact Tony Lowe

Address: Connolly St./Bandon Relief Road, Bandon, Co. Cork

Email: bandonfrs@willsbros.com

Phone: +353 (0) 87 0657208??????

Website: www.willsbros.com

Employer:



Address: 52 St. Stephen's Green, Dublin 2, Dublin, Ireland.

Website: www.opw.ie

Employer's Representative:



Address: Building 2100, Cork Airport Business Park, Kinsale Road, Cork, Ireland.