



Bandon Flood Relief Scheme Quarterly Newsletter September 2016



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IN THIS ISSUE

Bandon Flood Relief Scheme

by Padraic Keveney | Wills Bros Ltd

Wills Bros Ltd have been awarded the Bandon Flood Relief Scheme – Main Works Contract. The scheme was awarded by the Office of Public Works (OPW) to Wills Bros Ltd in mid-June of this year. The OPW will be represented on site by Byrne Looby | PH McCarthy who are the designers for the scheme. Wills Bros Ltd are the Contractor who will be constructing the Scheme.

Wills Bros Ltd are one of the leading contractors in Ireland in the water & sewerage sector, having completed a large number of high profile and complex contracts for the majority of the country's local authorities.

These projects include the completion of sewerage schemes, storm water management structures, flood relief schemes and potable water pipeline contracts.

The purpose of this newsletter is to provide the people of the Bandon area and those most effected by the Works with an information update on the progress of the works associated with the implementation of the flood relief scheme for Bandon. The newsletter will detail progress to date and will furthermore outline the activities which are scheduled for the period ahead. This newsletter will be produced quarterly and

should help reduce the impact of the scheme upon the various stakeholders.

Wills Bros Ltd would like to take this opportunity to apologise in advance for any inconvenience these works may cause during the construction period. We will make every effort to minimise any such inconveniences. 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 myself (liaison officer) on 087 0657208.



Background to Scheme

A brief description of the events that necessitated the scheme and the global works involved in this scheme.

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Forthcoming works

A brief overview of the works that Wills Bros Ltd will potentially be undertaking in the forthcoming 3 months

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Background

by Padraic Keveney | Wills Bros Ltd

Bandon Town has a long history of serious flooding. The flooding is primarily due to heavy rainfall in the catchment of the Bandon River and of its tributary, the Bridewell River, which joins the Bandon River immediately downstream of the Bandon Bridge.

Since the previous highest recorded flood in 1975, serious flooding has occurred in the town in 1978, 1982, 1986, 1988 and November 2009. Minor flooding in the past decade has occurred in 2004, 2005, 2006 and January 2011 and subsequent years.

The management of flood risk at present consists of a Flood Early Warning System (FEWS) which was installed in early 2011 and an associated Flood Emergency Response Plan (FERP). The FEWS operates by monitoring river levels at three gauging stations located at Longbridge, Bealaboy and Bandon and issuing text alerts to designated people depending on the level of the river and the associated colour of the alert indicating likelihood or risk. The level of the alert determines the resulting actions by the people contacted ultimately resulting in the implementation of the FERP.

In the consideration of alternatives and the selection of a preferred scheme option, it was considered that the existing scenario was not acceptable due to the excessively high level of risk and further options were examined.

The scheme design was developed and issued for tender earlier this year.

In summary the works include:

- Site preparation and finishing work;
- Deepening of the existing riverbed by approximately 1.8 meters just downstream of Bandon Weir to 9.5 meters OD. and dredging for 3.6 kilometers (to O'Driscoll's Bridge) at an approximate gradient of 1:1000;
- Morphological river restoration works;
- Repairs to Bandon Weir;



- Provision of a new fish pass structure at Bandon Weir; comprising of french drains, surface water drains and pump sumps;
- Demolition of existing pedestrian bridge and construction of new 3-span in-situ concrete pedestrian bridge;
- Installation of non-return valves on existing river outfalls;
- Other miscellaneous associated works;
- Underpinning of Bandon Bridge;
- Reinstatement of all paved and unpaved surfaces disturbed during the construction;
- Provision of a new fish pass structure at the confluence of the Bridewell River with the River Bandon;
- Reinstatement of all access routes disturbed during the construction.
- Provision of a new fish pass structure at the confluence of Mill River with the River Bandon;
- Demolition and reconstruction of existing stone walls along the banks of the River Bandon and the Bridewell River;
- Construction of new stone faced and reinforced concrete walls along the banks of the River Bandon;
- Construction of new embankments and re-shaping/remediation of existing embankments along the banks of the River Bandon and the Mill River;
- New culvert on the Mill River;
- New culvert on the Kilbrittain Road Stream and associated drainage and road works;
- Local drainage works on, in and about the town of Bandon

Works Completed

by Padraic Keveney | Wills Bros Ltd

In subsequent editions of this newsletter we will be providing details of the works completed in the intervening period from the previous newsletter to the current edition.

As we are just beginning to get established in Bandon, there is understandably little information to report in this section in this particular newsletter.

During the coming weeks we will be commencing works on site.

As indicated above this Construction Project will involve the construction of works located in and along the banks of the River Bandon from Riverview Shopping Centre through Bandon Town as far east as O'Driscoll's Bridge at Curranure, 3.6km downstream of Bandon Weir, in and alongside tributaries of the River Bandon and at a number of locations in and about the town of Bandon.

We are currently establishing our site compound at the intersection of Connolly St and Bandon Relief Rd and have commenced meeting land and property owners which are impacted by the works within the coming days and weeks. For your information we have attached some photos of this activity.

It is our intention to keep property owners and the effected community as informed as possible of the Works which will be carried out and to try to minimise the adverse effect of these Works in terms of delays and disruption to the local community.



Forthcoming Works

by Padraic Keveney | Wills Bros Ltd

In subsequent editions of this newsletter we will be providing more specific details of the forthcoming works in the following quarter.

We are currently in the midst of a planning and consultation period which elapses on the 29th July 2016. Currently we envisage that we will be undertaking the following sections of work in the coming months:

- Completion of dilapidation surveys on existing buildings
- Diversion of existing services at footbridge
- Outfall diversion at the Wastewater Treatment Plant
- Drainage Works on Kilbrittain Road, Ballylangley Road, Mill Place and McSwiney Quay
- Construction of flood defence embankments on Ballylangley Road, Glasslinn Road, at the Wastewater Treatment Plant
- Construction of Flood Defence Wall at Mill Place

We are also looking at potentially completing a 370m section of dredging in 2016 starting at O'Driscoll's bridge heading upstream.

Consultations will be made again with all effected property owners before we commence any works in their property and



advance notice given in accordance with the time periods specified in our contract.

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.

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

Email correspondence in relation to the scheme can be addressed to bandonfrs@byrneblooby.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 once the works commence.

We 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:

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Employer's Representative:



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