

# Carrickmines Shanganagh River Flood Relief Scheme



IMC\_8234 Photo: Barrow Coakley Photography Tel: 087-2856527, 19th October 2016

## NEWSLETTER NO. 1

May 2021



## Background to the study

Carrickmines/Shanganagh catchment stretches from Sandyford and Leopardstown in the West to Loughlinstown in the East, where it discharges into the Irish Sea between Killiney and Shankill.

There is a history of flooding in the catchment. Flooding of the Shanganagh River has occurred at the Commons Road in 1980, 1982, 1986, 1993, 2002, and 2011, and in Loughlinstown in 2011. The recently completed Eastern Catchment Flood Risk Assessment and Management (CFRAM) Study Area concluded that a flood relief scheme would be viable and effective for the community (can be viewed online at [www.floodinfo.ie](http://www.floodinfo.ie)).

## Appointment of JBA Consulting and JB Barry & Partners

Dún Laoghaire Rathdown County Council (DLRCC), along with project partners the OPW, have appointed the joint venture team of JBA Consulting and JB Barry & Partners to assess, develop and design a viable, cost-effective and sustainable flood relief scheme which aims to minimise risk to the community, social amenity, environment and landscape character. This will take forward the identification of preliminary options in the CFRAM study and assess a full range of options in detail.

## Information needed from the public

Although we have a lot of information about previous flood events and community consultation undertaken during the preparation of the CFRAM Study, we are still interested in receiving photos, videos and stories about previous flood events from those who experienced it first-hand. This information will help us refine our river model and give greater confidence in the design of the flood relief scheme. Our contact details are included on the rear of this newsletter.

## Progress to date

Since we were appointed, the team has begun a data collection exercise with a focus on understanding the flow runoff across the catchment. This is making use of river level gauges installed since the CFRAM study. We have started to scope an appropriate computer model of the drainage networks, runoff from the new development in the catchment and the rivers in order to identify flood extents and risks in the Carrickmines Shanganagh Catchment. With all this information we will analyse the recurrent and significant flooding events that have occurred and could happen in the future.

With the objective of understanding better how water flows along the catchment, a flow monitoring survey is currently underway. Specialist contractors have installed and are currently monitoring rain gauges and flow monitors along the catchment during recent weeks.

A channel and threshold survey, undertaken by our contractor Murphy Geospatial, has recently commenced onsite. This will help the team define the work area extents and geometry, and better understand the impact of flood on the local households.



Channel/Threshold survey

You may have already seen our Environmental team undertaking an environmental walkover survey out on site. They are recording the general environmental condition of the works area and other features, such as potential for protected habitats or invasive species stands. We will be completing a Constraints Study shortly to gather initial information on the presence and significance of manmade and environmental features and their potential impact on the design options for the Flood Relief Scheme.

## Next Steps

- Continued Data collection and review
- Public Engagement Day – Date tbc (dependent on covid-19 restrictions)
- Further surveys – including condition assessment of existing structures, topographic survey, flow monitoring survey and environmental surveys
- Hydraulic Modelling to determine flood extents, depths and options development
- Options Development

## Outline Scheme Programme

| Activity                                      | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|------|------|------|------|------|------|
| Assemble all the available data               | ■    |      |      |      |      |      |
| Environmental Constraints Study               | ■    | ■    |      |      |      |      |
| Site Investigation contracts                  |      | ■    | ■    |      |      |      |
| Hydrological Analysis and Hydraulic Modelling |      | ■    | ■    |      |      |      |
| Options Development                           |      | ■    | ■    | ■    |      |      |
| Ecological and Environmental Assessments      |      |      | ■    | ■    |      |      |
| Preparation of planning submission            |      |      | ■    | ■    |      |      |
| Planning Application                          |      |      |      | ■    |      |      |
| Detailed Design                               |      |      |      | ■    | ■    |      |
| Tender Process                                |      |      |      |      | ■    |      |
| Construction Works                            |      |      |      |      | ■    | ■    |

Key: ■ JBA/JBB led activities ■ Third party activity ■ Ongoing/completed ■

## Contact Us

In addition to these regular Newsletters you can also keep in touch with the project through our website, where we will be posting updates on progress and details of works that are ongoing.

Project Specific Website: [www.csfrs.ie](http://www.csfrs.ie)

Project Offices: JB Barry & Partners, Classon House, Dundrum Business Park, Dublin

Phone: 01 485 1400

Email: [info@csfrs.ie](mailto:info@csfrs.ie)