

Douglas Flood Relief Scheme (Including Togher Culvert)



ARUP

Public
Information
Day

8th October 2014
Nemo Rangers GAA Club
3pm - 9pm

Douglas Flood Relief Scheme (Including Togher Culvert)

Introduction

Arup has been appointed by Cork County Council in association with the Office of Public Works to develop a Flood Relief Scheme for the Douglas and Togher Areas. This project follows on from the Lee Catchment Flood Risk Assessment and Management Study (CFRAMS) and the major flood event of June 2012. The series of measures that will make up the proposed flood relief scheme are being developed as part of an Engineering Study being conducted by Arup. An Environmental Impact Statement will also be prepared as part of this work.

This is the second public consultation day for the project; its objective is to inform the public and stakeholders of the progress made since the project commenced and outline the emerging preferred option for alleviating flooding in the Douglas and Togher areas.

Purpose Of The Project

The purpose of the Douglas Flood Relief Scheme is to assess and develop a viable, cost effective and sustainable Flood Relief Scheme to alleviate flooding in Douglas and Togher.

Constraints Study Update

A Constraints Study, identifying the key environmental issues in a study area that may be impacted upon by possible flood alleviation measures and/or which may impose constraints on the viability and/or design of these measures has now been finalised, and is available on the project website (www.douglasfrs.ie)

Emerging Preferred Options

An ongoing project Engineering Study being advanced in parallel with the Environmental Assessment of the Flood Relief Scheme, has now identified an Emerging Preferred Option for the Douglas and Togher areas. The options are listed in the boxes to the right for each section of the study area.

Togher - Emerging Preferred Option

- A new reinforced concrete culvert to carry the Tramore River from Lehenaghmore Industrial Estate to Greenwood Estate (See Figure 1).(Replaces existing pipes/culverts)



Figure 1

Douglas - Emerging Preferred Option

1. Direct defence walls on the right hand side of the Tramore River at Douglas Mills
2. A combination of measures along the Ballybrack Stream from Church Street to Ravensdale. These measures include (See Figure 1) :

- Widening the channel from Ravensdale through Douglas Community Park
 - Direct defence walls on both sides of the channel from Ravensdale to Church Road
 - Removal of two existing bridges over the Ballybrack Stream upstream of Church Road and construction of alternative means of access
 - Replacement of an existing access bridge at Ravensdale
 - Replacement of the existing Ballybrack Stream culvert under Church Road
 - Upgrade of the existing trash screen structure in Ballybrack Woods
 - Local regrading of the bank of the Ballybrack Stream in Douglas Community Park
3. Flood defence measures along the Grange stream in Donnybrook Commercial Centre



Existing view - Ballybrack Stream at Church Road



Photomontage of Proposed Scheme - Ballybrack Stream at Church Road

Figure 2

What Happens Next?

All comments received in response to this Public Information Event will be considered by Cork County Council/OPW and will be taken into account in progressing to the next stage of the Douglas Flood Relief Scheme Engineering Study and Environmental Impact Assessment.

The Environmental Impact Assessment and Engineering Study for the Douglas Flood Relief Scheme will be delivered in the following stages:

Outline Delivery Programme

Stage	Description	Key dates
Stage I	Development of a number of flood defence options and the identification of a preferred Scheme	Complete by November 2014
Stage II	Public Exhibition of Scheme	Complete by early 2015
Stage III	Detailed Design, Confirmation and Tender	Complete by September 2015
Stages IV and V	Construction and Handover of the Works	Commence September 2015

Environmental Impact Assessment

Stage I	Part 1	Constraints Study (complete)
	Part 2	Screening for Appropriate Assessment (commenced)
Stage II	Part 1	Environmental Assessment of Viable Options
	Part 2	Screening for Appropriate Assessment (ongoing)
Stage III		Environmental Impact Statement
Stage IV		Public Exhibition or Part 8 Planning

Engineering Study

Stage I	Scheme Development Data Gathering and Surveying
	Hydrology Study & Hydraulic Modelling Site Investigations
	Flood Risk Assessments
	Flood Risk Management Options Cost Benefit Analysis Selection of Preferred Option
Stage II	Public Exhibition or Part 8 Planning
Stage III	Detailed Design
Stage IV	Construction

Your Feedback is Important

Cork County Council/OPW wishes to consider all viewpoints in relation to the Emerging Preferred Option being proposed. This is your opportunity to take part and make your views and comments known as the Emerging Preferred Option is developed further and before the final preferred option is selected. Time spent communicating your views to Cork County Council/OPW is appreciated.

The general public and all interested parties are invited to give their opinions on the Emerging Preferred Option. Please examine the Emerging Preferred Option shown overleaf, on display at the Public Information Day, and online on the project website (www.douglasfrs.ie) and let your views be known by:

- Completing and returning the attached Questionnaire by 7th November 2014, or
- Emailing us at douglasfrs@arup.com, or
- Writing to the address below by Friday 7th November 2014

All queries, questionnaires and comments in relation to this project can be addressed to:

Ken Leahy
Project Manager
Ove Arup & Partners Ireland Ltd.
15 Oliver Plunkett Street
Cork

Tel: +353 (0)21 4277670
Email: douglasfrs@arup.com



**Douglas Flood Relief Scheme
(Including Togher Culvert)
PUBLIC CONSULTATION NO.2 – EMERGING
PREFERRED OPTIONS QUESTIONNAIRE**

(Please complete this questionnaire and return to Ken Leahy, Arup Consulting Engineers, 15 Oliver Plunkett Street, Cork, or douglasfrs@arup.com by Friday 7th November 2014)

Name (optional): _____

Address: _____

Phone (optional): _____ Email (optional): _____

Questions:

1. Did you attend the first Public Information Day held on 26th February 2014? Yes No

2. How did you hear about today's Public information Day? _____

3. What part of the study area have you a particular interest in? _____

4. Have you any personal experience of flooding? Yes No

5. If yes, please give date(s):

<u>Most recent</u>	_____
<u>Previous</u>	_____
<u>Previous</u>	_____

6. Type of property flooded:

- | | | | |
|-------------|--------------------------|----------|--------------------------|
| Residential | <input type="checkbox"/> | Retail | <input type="checkbox"/> |
| Office | <input type="checkbox"/> | Workshop | <input type="checkbox"/> |
| Open Space | <input type="checkbox"/> | Other | <input type="checkbox"/> |

If other, please describe: _____

7. Having reviewed the details of the emerging preferred options, we would appreciate your comments:

8. Are there any other flood alleviation options or measures you would suggest should be considered?

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THANK YOU FOR YOUR CO-OPERATION