

WHAT HAPPENS NEXT?

All comments received in response to this Public Information Event will be considered by the OPW and will be taken into account in progressing to the next stage in the Lower Lee (Cork City) Flood Relief Scheme (Including Blackpool And Ballyvolane) Environmental Impact Assessment and the Engineering Study.

The Environmental Impact Assessment and Engineering Study for the Lower Lee (Cork City) Flood Relief Scheme will be delivered in the following Stages:

Environmental Impact Assessment		Engineering Study	
Stage I	Part 1 Constraints Study (complete) Part 2 Screening for Appropriate Assessment (complete)	Stage I	Scheme Development (complete) Data Gathering and Surveying (complete) Hydrology Study & Hydraulic Modelling (complete) Site Investigations (complete) Flood Risk Assessments (complete) Flood Risk Management Options (complete) Cost Benefit Analysis Selection of Preferred Option Flood Risk Management Plan
Stage II	Part 1 Environmental Assessment of Viable Options (next stage) Part 2 Appropriate Assessment (next stage)	Stage II	Public Exhibition
Stage III	Environmental Statement	Stage III	Detailed Design
Stage IV	Public Exhibition	Stage IV	Construction

YOUR OPPORTUNITY TO TAKE PART

The Office of Public Works wishes to consider all viewpoints in relation to the Emerging Preferred Option being proposed. This is your opportunity to take part and make your view and comments known as the Emerging Preferred Option is developed further and before final preferred options is selected. Time spent communicating your views to the Office of Public Works is appreciated.

The general public and all interested parties are invited to give their opinions on the Emerging Preferred Options. Please examine the details of the Emerging Preferred Options shown overleaf, on display at the Public Information Day, and online on the project website (www.lowerleefrs.ie) and let your views be known by either completing the enclosed comment sheet or writing to or emailing the address below, giving your comments. Your opinion will be appreciated and given full consideration.

Completed comment sheets may be handed in at the exhibition or posted to the address below, by Friday 29th August 2014.

FURTHER INFORMATION

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

Contact Name:	Brian Keville	Tel:	+353 (091) 735611
Contact Title:	Project Manager	Fax:	+353 (091) 771279
	McCarthy Keville O'Sullivan Ltd.	Email:	bkeville@mccarthykos.ie
	Planning & Environmental Consultants		
	Block 1, G.F.S.C., Moneenageisha Road,		
	Galway		



LOWER LEE (CORK CITY)
FLOOD RELIEF SCHEME
(INCLUDING BLACKPOOL
AND BALLYVOLANE)

EMERGING PREFERRED OPTIONS
PUBLIC CONSULTATION

JULY 2014



INTRODUCTION

Ryan Hanley in association with McCarthy Keville O’Sullivan, has been appointed by the Office of Public Works to carry out an Environmental Assessment of the proposed Lower Lee (Cork City) Flood Relief Scheme. The series of measures and options that will make up the proposed flood relief scheme are being developed as part of an Engineering Study being conducted by ARUP and JBA Consulting. This is the second public consultation on the proposed flood relief scheme, and its objective is to inform the public and stakeholders of the progress made since the project commenced, and outline the emerging preferred options for alleviating flooding in the Lower Lee, including Blackpool and Ballyvolane.

PURPOSE OF THE PROJECT

The purpose of the Lower Lee (Cork City) Flood Relief Scheme is to assess and develop a viable, cost-effective and sustainable Flood Relief Scheme to alleviate flooding in Cork City, based on preferred options already identified in the Lee CFRAM Study. The Blackpool and Ballyvolane areas on the River Bride (north) are also being assessed for flood relief measures as part of the Flood Relief Scheme.

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 also now been finalised, and is available on the project website (www.lowerleefrfs.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 Emerging Preferred Options for the Lower Lee, Blackpool and Ballyvolane. The Options are listed in the boxes to the right, for each section of the study area.

EXAMPLES OF PROPOSED MEASURES – BEFORE AND AFTER VIEWS



Existing view looking south over boardwalk at end of Grand Parade towards Sullivan’s Quay



Proposed view of flood defence walls doubling as public seating with “ilt-up” or demountable flood barriers to fill gaps



Existing view looking northwest from Lavitt’s Quay towards Christy Ring Bridge



Proposed view of new quay defence wall and solid bridge parapet



Existing view from Cork College of Commerce on Union Quay looking north towards pedestrian bridge



Proposed view of new flood defence walls to be closed off with flood gates when necessary

LOWER LEE - EMERGING PREFERRED OPTION

- a) Detailed Flood Forecasting System
- b) Flood Warning System (public alerts)
- c) Further Optimised Dam Operating Procedures
- d) Creation of Upstream Washlands
- e) Local Conveyance Improvements and Direct Defences at Iniscarra Bridge
- f) Local Defences at Inchagaggin
- g) Flow Reduction Structure on South Channel
- h) Direct Defences on Curaheen, Glasheen, North & South Channels
- i) Flood Gates (at some footbridges and boardwalk locations)
- j) Possible Raising of Vincent’s Pedestrian Bridge & Cornmarker Street Footbridge
- k) Localised Surface Water Pumps

BLACKPOOL - EMERGING PREFERRED OPTION

- a) Channel Clearance and Maintenance
- b) Direct Defences from Upstream of Northpoint Business Park to Fitz’s Boreen
- c) Replacement of some Bridges at Dulux and Fitz’s Boreen
- d) Sedimentation Area at Dulux
- e) Flood Defence Walls at Orchard Court
- f) Removal of Pedestrian Bridge & Replacement of Road Bridge at Orchard Court
- g) Replacement/Upgrading of Culvert between Orchard Court & Blackpool Church
- h) Infilling of Open Channel Section at Blackpool Church
- i) Cleaning & Sealing of Culvert Downstream of B’pool Church
- j) Realignment of Bride/Glin/Kiln Culvert at Madden’s Buildings
- k) Localised Surface Water Pumps

BALLYVOLANE - EMERGING PREFERRED OPTION

- a) Replacement of Existing Trashscreen
- b) Management of Residual Overland Flood Risk
 - i. Re-grading of Ballyhooley Road in vicinity of Mervue Lawn
- ii. Re-grading of access road into Mervue Lawn
- iii. Removal of boundary wall to northeast of Kempton Park
- iv. Re-grading of Kempton Park
- v. Creation of new swale to east of Leeds Park and Park Court
- vi. Replacement of manhole covers with slotted gratings



LOWER LEE (CORK CITY) FLOOD RELIEF SCHEME

(INCLUDING BLACKPOOL AND BALLYVOLANE)

PUBLIC CONSULTATION NO.2 – EMERGING OPTIONS COMMENT SHEET

(Please complete this comment form and return to Brian Keville, McCarthy Keville O' Sullivan, Block 1
GFSC, Moneenageisha Road, Galway or bkeville@mccarthykos.ie by Friday 29th August 2014).

Name (optional): _____

Address: _____

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

Questions:

1. Did you attend the first Public Information Day held on 19th July 2013? 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):

Most recent _____

Previous _____

Previous _____

6. Type of property flooded:

Residential ☐

Office ☐

Open Space ☐

Retail ☐

Workshop ☐

Other ☐

If other, please describe: _____

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

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

Further comment can be made through the project website at www.lowerleefrs.ie. All information on display will be available on the website. Alternatively please send further comments by email or post to Brian Keville, McCarthy Keville O' Sullivan, Block 1 GFSC, Moneenageisha Road, Galway or bkeville@mccarthykos.ie.

The Office of Public Works (OPW) undertakes to hold any information provided to it by individuals or others on a confidential basis, subject to the OPW's obligations under law, including the Freedom of Information Act. If, for any reason, it is intended that information provided to the OPW should not be disclosed due to the sensitive nature of such information, it is incumbent on the person or body supplying the information to make clear this wish and to specify the reasons for the information's sensitivity. The OPW will consult with any individual or body so supplying sensitive information before making a decision on any freedom of information request received.

THANK YOU FOR YOUR CO-OPERATION