Ballinasloe
FLOOD RELIEF SCHEME

Opening Public Consultation Day
BRIEFING TO PUBLIC REPRESENTATIVES
5th March 2020

Alan Leen, Arup (Project Manager)
Overview

- Project Background
- Steering Group
- Project Objectives
- Scheme Area
- Outline Delivery Programme
- Key Issues During Stage I
- Process for Developing a Solution
- Key Public Consultation Dates
- Opening Public Consultation Day
Project Background

• Past flood events and significant ongoing flood risk
• Shannon CFRAM Study
• Shannon Catchment Flood Risk Management Plan
• Prioritisation of major schemes – Ballinasloe included in first tranche
• Minor flood relief work ongoing by GCC since 2009
• Work by local community groups
Project Steering Group
Project Objectives

Develop a technically viable, cost-effective, socially acceptable and environmentally sustainable flood relief scheme for Ballinasloe

- The Scheme will be required to defend against fluvial flood risk to properties within the Scheme Area up to a determined standard of protection plus a freeboard and climate change allowance
- Build upon the catchment-level assessment undertaken by the Shannon CFRAM Study

Prepare the drawings and documentation required for submission of the Scheme for Statutory Consents from the relevant authorities

Procure, manage and oversee the construction of the Scheme subject to consents and funding
Indicative Scheme Area
<table>
<thead>
<tr>
<th>Stage</th>
<th>Description</th>
<th>Key dates</th>
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<tbody>
<tr>
<td>Stage I</td>
<td>Development of flood defence options and identification of a preferred Scheme</td>
<td>Underway - complete by Q3-Q4 2021</td>
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<tr>
<td>Stage II</td>
<td>Statutory Public Exhibition / Planning</td>
<td>Q4 2021 – Q2 2022</td>
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<tr>
<td>Stage III</td>
<td>Detailed Design, Ministerial Confirmation and Tender</td>
<td>Anticipated to commence Q2 2022 (subject to approvals and funding)</td>
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<tr>
<td>Stages IV and V</td>
<td>Construction and Handover of the Works</td>
<td>Anticipated to commence Q2 2023 (subject to approvals and funding)</td>
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Key Issues During Stage I

- Stakeholder and Landowner Consultation
- Minimise potential impact on designated environmental sites under EU Birds Directive or Habitats Directive – e.g. Suck Callows SPA
- Minimise potential impact on Protected Structures including Ballinasloe East Bridge – potential heritage/archaeology issues
- Scheme Cost – Benefit Ratio
- Incorporation of Existing Defences including Derrymullen Scheme
- Impact on other sources of flood risk, e.g. urban storm water behind defences
- Opportunities for Public Realm Enhancement and Environmental Enhancement
- Consideration of Climate Change
- Multiple other issues to be addressed including buildability, maintenance, invasive species, assessment of impact upstream and downstream of Ballinasloe, etc.
The Process of Developing a Solution

Defining the Problem:
- Review of Shannon CFRAMS Outputs including views from Public Consultation
- Further Hydrological Analysis and Hydraulic Modelling to define flood mechanisms / flood levels at local scale
- Environmental Constraints Study

Considering Scheme Options
- Consideration of Long List of Possible Solutions, informed by Constraints Study
- Topographic surveys and Geotechnical Investigations
- Hydraulic modelling and Technical Feasibility Review of potentially viable solutions
- Public Consultation

Multi-Criteria Analysis of Potentially Feasible Options
- Test Options under multiple criteria including Technical, Environmental, Social, Economic (Cost and Cost-Benefit Analysis)
- Select Preferred Option for advancement to Statutory Processes / Consents
## Key Public Consultation Dates

<table>
<thead>
<tr>
<th>Stage</th>
<th>Date</th>
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<tbody>
<tr>
<td>Public Consultation Day No. 1 (Constraints Stage)</td>
<td>5 March 2020</td>
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<tr>
<td>Public Consultation Day No. 2 (Emerging Options)</td>
<td>Early 2021 (TBC)</td>
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<tr>
<td>Statutory Public Exhibition of Scheme</td>
<td>Late 2021 (TBC)</td>
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### Ongoing Public Engagement
- Project Website
- Regular Public Newsletters
- Project Email Address
- Meetings with local stakeholders

### Project e-mail:
ballinasloefrs@arup.com

www.floodinfo.ie/ballinasloefrs
Opening Public Consultation Day:

7th March 2020
Dunlo Room, Shearwater Hotel
3pm to 8pm

Purpose of Event:
• Introduction of the Project Team
• Outline the Project Objectives
• Outline the Scheme Development Process
• Gathering information from Local Stakeholders including
  • Views on the Scheme Area
  • Information on past flood events including flood mechanisms / flood routes
  • Key issues or constraints of importance
  • Views on CFRAMS outputs
Ballinasloe
FLOOD RELIEF SCHEME

Thank you
Questions?

Alan Leen, Arup (Project Manager)