

Newsletter

Limerick City & Environs Flood Relief Scheme



OPW

Oifig na
nOibreacha Poiblí
Office of Public Works



Comhairle Cathrach
& Contae **Luimnigh**

**Limerick City
& County Council**



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What stage is the project at?

Since the last Project Newsletter was issued (Newsletter No.1, November 2021) the following activities have been completed or are underway.

A virtual / online Opening Public Consultation was held from 18th November to 17th December 2021. Its purpose was to introduce the scheme and gather valuable local knowledge whilst providing an opportunity for stakeholders and members of the public to inform scheme design by voicing any suggestions or concerns. The project team is grateful for all submissions made and are reviewing them at present.

The RPS' Geotechnical team have finished scoping the extent of the ground investigations required to assess the viability of the existing flood defence embankments. The ground Investigation works commenced in Limerick on the 11th of April 2022. The ground works are being undertaken by Priority Geotechnical Limited (PGL). PGL are working with Limerick City & County Council (LCCC), Clare County Council, the OPW, and RPS to ensure the ground investigation does not impede on ecological, cultural and archaeological constraints. The works are currently programmed to end in September 2022.

The 177AE planning application for the provision of site investigation works on selected areas within the scheme area is progressing. Further information requested by the Development Applications Unit (DAU) has been submitted by the project team.

In December 2022, LCCC appointed Murphy's Geospatial to undertake the level surveys of the embankments, river channels and structures, in and around Limerick City and selected environs. The survey has since been completed.

A Bathymetric Survey was also undertaken for the project by Hydrographic Surveys Ltd and was completed in late April 2022. This survey recorded riverbed levels in the estuary upstream of Shannon Airport.

A topographical survey to inform the development of public realm designs within, areas of the City Centre is currently underway. The survey is currently being undertaken by Apex surveys.

A contract for the treatment of the invasive alien plant species (IAPS) within the scheme has been procured. The preferred tenderer has been identified and will shortly be appointed subject to the appropriate procurement process. The works will include surveying, treating and managing Invasive Species at critical locations of the proposed scheme over a period of 5 years.

The Environmental Constraints Study for the Scheme is ongoing. The environmental team are on site with the geotechnical contractor to ensure that sensitive ecological areas and habitats are not impacted by the site investigation works. The environmental team are also providing guidance on how to proceed with works that are near areas where there is a significant presence of IAPS.



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Additional Information & Contact Details

Additional information in relation to overall progress, current news items and project reports can be found on the Limerick City & Environs Flood Relief Scheme project website. The project team can be reached at the Limerick City & Environs FRS email address.



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Project Newsletter No. 02 | May 2022



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Next Steps:

Hydraulics: The project team is currently progressing the CCTV survey contract documentation. The survey is carried out using CCTV cameras which are inserted into the existing drainage system to provide an in-depth inspection of the current system. Once the documentation has been finalised, the contract can be tendered to progress the commencement of the survey. The building of the hydraulic computer model began in March 2022; this involved the remodelling of the previous data. Following receipt of the river, terrain and threshold surveys, a comparison of the older flood data and new survey data can commence.

Hydrology: The hydrological analysis, which includes analysis of historic flood data, is ongoing. The methodology for the hydrological analysis has been agreed with the Steering Group. The design flood flow and water levels for various flood scenarios are being developed. These, along with the survey data, will provide

the necessary inputs to the computer model as part of the hydraulic analysis.

Environmental Assessment: The Environmental team will be working to finalise the constraints report. The Invasive Species Management Contract will see the appointment of a suitable contractor to treat and manage the invasive species for the facilitation of the ground works and the construction of a preferred scheme option. The team will also continue to provide guidance on site as the ground investigation works progress.

Geotechnical Investigations: The geotechnical team will continue to manage and oversee the ground investigations that are currently taking place. The outputs from the ground investigations will allow the team to assess the condition and makeup of the existing embankments to inform on whether these embankments can be maintained and incorporated into the preferred scheme option.

Programme:

Stages	2021				2022				2023				2024				2025				2026				2027				2028				2029				2030				2031			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4								
Stage I:																																												
Stage II:																																												
Stage III:																																												
Stage IV:																																												
Stage V:																																												

Limerick City and Environs Flood Relief Scheme Stages

Stage 1	Options assessment, Scheme Development and Design
Stage 2	Planning/ Development Consent Process
Stage 3	Work Packages and Tenders for Contracts
Stage 4	Construction
Stage 5	Handover of Works



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