

WHAT STAGE IS THE STUDY AT?

The Project is currently in the first of five stages – Stage 1: Identification and Development of a Preferred Scheme.

RPS have completed the construction of a computational hydraulic model, which includes additional topographical survey data collected in the Beaulieu Cross area (during March 2023). The model has subsequently been calibrated using historical flood data to ensure that it provides an accurate representation of the rivers and the flooding mechanisms within Drogheda and Baltray.

The calibrated model has been further developed to incorporate the Port Access Northern Cross Route (PA CR) – this will ensure that the model is up-to-date and suitable for use as a baseline model during the assessment of flood relief measures. RPS are currently simulating this model for a range of scenarios, for both present day and climate change events, which will inform the Scheme Analysis and Development phase of the project.

LCC appointed a specialist Ground Investigation contractor who commenced works in June 2023 to collect data on the ground conditions where the scheme is likely to be developed. The photographs below show the equipment used to collect this data and the location of one of the boreholes. The works are substantially complete, with remaining boreholes scheduled to be completed in August 2023.

An appropriate assessment screening and archaeological impact assessment of the Ground Investigation specification has been completed. The environmental impact assessment scoping consultation has closed. RPS have collated the responses received and issued to the steering Group. RPS have reviewed the surveys completed to date and identified the requirement to undertake an additional otter survey following consultation with the Department of Housing, Local Government and Heritage.

OUTLINE SCHEME PROGRAMME

		Outline Scheme Programme										
Activity		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Stage 1	Data Collection and surveys											
	Hydrological Analysis											
	Hydraulic Analysis											
	Scheme analysis & development											
	Environmental Assessment											
Stage 2	Planning/Development											
Stage 3	Detailed design of Scheme											
Stage 4	Construction works											
Stage 5	Scheme Operational											

Timelines provided as current best estimate, but are subject to revision.

NEXT STEPS

Surveys: The ground investigation works are scheduled to be completed during August.

Hydrological Analysis: Following Steering Group review of the draft report, RPS are undertaking the report before issuing as final.

Hydraulic Analysis: The hydraulic model is being used to simulate design sensitivity and blockage scenarios. This will be followed by completion of the draft Hydraulics report.

Photograph (left) showing the rigging equipment used for the collection of samples from boreholes. Photograph 2 (right) showing the marker used for borehole 2 - this is located off the Newfoundwell Road in a residential lane.