

Tolka River (Dublin & Meath) Drainage Schemes

Category:

Engineering – Flood Alleviation Works

Description:

The River Tolka has a history of flooding following heavy rainfall, which has been well documented after major flood events in 1954. The river has been the subject of a number of investigations, and of most significance were those carried out in 1955 and 1986.

Severe flooding from the Tolka River and its tributaries occurred in the Dublin City, Meath and Fingal areas in November 2000 and November 2002.

In June 2001 Dublin City Council commissioned the Greater Dublin Strategic Drainage Study (GSDSDS), a multi-million euro engineering study of the strategic drainage requirements of the Greater Dublin area. A full study of the Tolka was not included in the GSDSDS. In view of the November 2000 flood OPW requested that it be included.

The Tolka River Flooding Study was underway when the November 2002 flood occurred. The consultants were asked to produce Interim Reports for all three local authorities to identify works that could be undertaken straight away to reduce the risk of flooding in the worst affected areas. The Final Report on the Tolka was completed in November 2003 and this brought together many of the recommendations contained in the Interim Reports and also much additional information, which provided the basis for further decisions in relation to the catchment as a whole. As a result of the Interim Reports, works began in the Dublin City and County Meath areas in 2003. The works have been ongoing and will continue into 2009.



The works carried out, broken up into three areas, include:

Dublin City Council Area

- New walls and embankments
- Replacement footbridge
- Widening of banks
- Lowering of Distillery Weir
- Scour damage repair
- General channel maintenance

Fingal County Council Area:

- Embankments
- Channel maintenance
- Major bridge replacement

Meath County Council area:

- Road Bridge replacement and repairs,
- Railway Bridge underpinning
- Stream upgrade
- Embankments and Walls
- General channel maintenance

Project Team:

OPW Flood Relief Section:

Yvonne Jackson

John Kelly

OPW Engineers:

John G. Murphy

Jamie Keogh

Design Team:

RPS Group

Construction Team:

OPW East Region Maintenance



Dates:
Commenced in mid-2003 - Completion due 2009.