SDG

MOUNT ARGUS FOOTBRIDGE, HAROLD'S CROSS, DUBLIN

MAIN CONTRACTORS: ELLIOTT BUILDING / CIVIL ENGINEERING

SUB-CONTRACTOR: GROGAN ENGINEERING

PROJECT: MOUNT ARGUS FOOTBRIDGE

PRODUCT(S) SUPPLIED: GUMBA ELASTOMERIC BRIDGE BEARINGS

DATE: JANUARY 2020

OVERVIEW

SDG were proud to work with the project team on the latest Harold Cross development – Mount Argus. The project boasts 179 high grade apartments, over 8 residential blocks ranging from three to five stories high. To facilitate pedestrian access into the complex, a key footbridge needed constructed to cross a small site boundary stream.

We were contacted by Elliott Building and Civil Engineering in late 2019, requesting a prompt turnaround on the design and supply of EN 1337-3 compliant elastomeric bearings for a footbridge due to be installed in early 2020. Close communication with the contractor, consultant engineer, and superstructure manufacturer was critical to getting the bearings to site on time for installation.

Working closely with Gumba Germany, SDG promptly supplied calculations with the associated drawings, including anchorage arrangement. Close liaising with the site team and bridge manufacturer allowed us to assist in the design of the abutment anchorage, and subsequent selection of an appropriate grout.

We supplied four Gumba Elastomeric Type C bearings, along with a bespoke predrilled top plate, and shear studded base plate.

SDG's knowledge and experience were valued throughout the installation, with pre and post installation site visits to ensure installation was in accordance with the design and manufacturers installation process.

Site teams were happy with the fast turnaround on the bearings, which prevented any delays to the bridge installation and subsequently project completion.

The supplied elastomeric bearings offered the following benefits:

- Long service life due to the ozone resistant Chloroprene rubber
- Maintenance free
- Small dimensions relative to load capability
- Ease of installation due to simple operation