

CASE STUDY - M4 Embankment Access

Stanton Bonna Access Stairs provide a quick and easy solution



Project:
M4 access between J12 and J13

Brief:
1) Remove original timber steps on both east and west bound sides

2) Provide safe access to the M4 roadside via adjacent embankment

Product Supplied:
Stanton Bonna Access Stairs

Key Benefits:
Modular, quick to install, durable, cost effective

EnterpriseMouchel Mac Contractors Area 3 recognised that Stanton Bonna Access Stairs was a durable solution which would save them time and money.

"It saves us so much time and hassle and is so easy to install"

Keith Charlton,
EnterpriseMouchel
Structures Delivery Manager

The original timber steps had become weathered and unstable so a safer and more durable solution was required.

The stairs would provide access from both the east and west sides of the M4, between junctions 12 and 13, to the overpass.

Stanton Bonna supplied 15 strings with 4 kicker beams to support each stairway.

Once the ground was cleared of debris the modular system was installed. Three men working together installed and completed the system in approximately **76 hours**. This was extremely cost effective compared to the normal construction time of 3 weeks*!

Adopted for use by Highways Agencies and Network Rail, Stanton Bonna Access Stairs provide an easy, quick solution to embankment access.

*For a standard method of constructing a concrete stairway.

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These highly durable concrete steps with galvanised steel hand rails are supplied in modular 1.65m string units with risers and tie-bars.

Delivered to site on pallets, they can be quickly and easily assembled by hand in a single operation without the need for heavy plant or lifting equipment.

Ease of assembly means that, subject to clearance of an embankment's vegetation, the stairway modules can be installed on rough terrain with the minimal amount of preparatory groundwork, ensuring significant time and cost savings compared with more traditional methods of access stair construction.

The stairway system is designed for both permanent and temporary installation and can be applied to embankment slopes with a gradient of between 25 and 45 degrees, ensuring compatibility with most roadside locations.

Safety hand rail kits can be fitted to one or both sides of the steps, if required.

Summary of benefits:

- > **Minimal preparation**
Can be used on rough terrain
- > **Quick assembly**
This modular system is over **50% quicker** than traditional methods
- > **Cost Effective**
Kit supplied in 1.65m units. Can be used for temporary or permanent use

Contact David Williams or Neil O'Sullivan to find out more. See details below.



Modular



Quick



Easy

The first photograph at the top of this page is the completed stairway systems from the Westside of the M4 project. The other photographs provided are for example of assembly only.

StantonBonna

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