

Project name, location	CTRL 310 Viaduct, Thurrock, Essex
Year of completion	2004
Client	Union Railways
Contractor	Morgan Vinci JV
Consultant	RLE



Project description

Construction of 1070m push launch viaduct.

Supply and install of internal and external tendons for launching and continuity tendons.

Supply and install of Macalloys for launching nose.

Supply and install of expansion joint tie bars using Macalloys.

PT tonnage	590 T
PT system(s) and size(s)	Bonded multi-strand, Stress-bar, Internal PT, External PT. 13C15, 19C15 and 37C15 tendons. 50 mm Macalloy bars.
Principal benefits of using PT on this project	Lighter reinforcement and fast construction cycles.