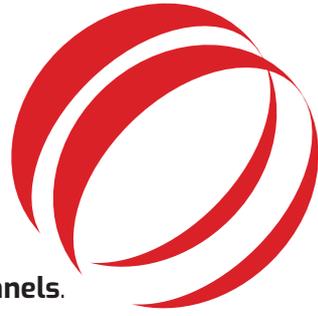


PEZZIMENTI TUNNELBORE



Specialising in: **Highly Accurate, Laser-Guided Microtunnels.**

Wyee



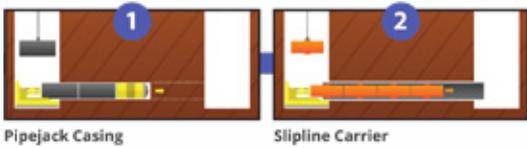
**2x 440Ø microtunnels completed beneath
train lines over shutdown weekend**

PHONE | **+ 61 (2) 4735 6676**

WEBSITE | www.pezzimenti.com.au

METHOD FOR 2 MICROTUNNELS

Pipejack in Non Self-Supporting Ground



OUTCOME

Pipe in a Pipe



LENGTH

65m & 85m



DIAMETERS

Ø440



GROUND

Clay
Conglomerate



CARRIER PIPES

225upvc



OUTER CASING

DN427
GRPJP



Client / Head Contractor
MONODELPHOUS

Location
WYEE

Length
1 X 85M
1 X 65M

Categories
BENEATH RAILWAY
CRITICAL TIMEFRAMES

Pezzimenti undertook two simultaneous Rail Crossings at Wyee on the NSW Central Coast during one 48 hour weekend shutdown.

Four crews were required for around-the-clock operations. Both 440mm diameter bores involved pipejacking a steel casing and installing a Clover Pipelines DN427 GRP Jacking Pipe. One bore was in hard conglomerate 85m long and the other 64m in clay.

Retractable heads were used on both bores. This system enabled Pezzimenti to retrieve the head and cutters through the enveloper pipe in the event of a change of ground conditions or if an obstacle was struck.



Project Details

Rail shutdown bores present several challenges. Given the short timeframes for completion, everything becomes hyper-critical. Confidence in equipment, staff and processes is essential. Precise planning and co-ordination is required to ensure a successful outcome.

Preparation commenced setting up on the Wednesday and Pezzimenti were ready for the shutdown to start 2am on Saturday morning. The client allowed Pezzimenti to bore up to the track 'critical zone' prior to the commencement of the rail shutdown.

This helped minimise the number of metres to be bored during the shutdown.

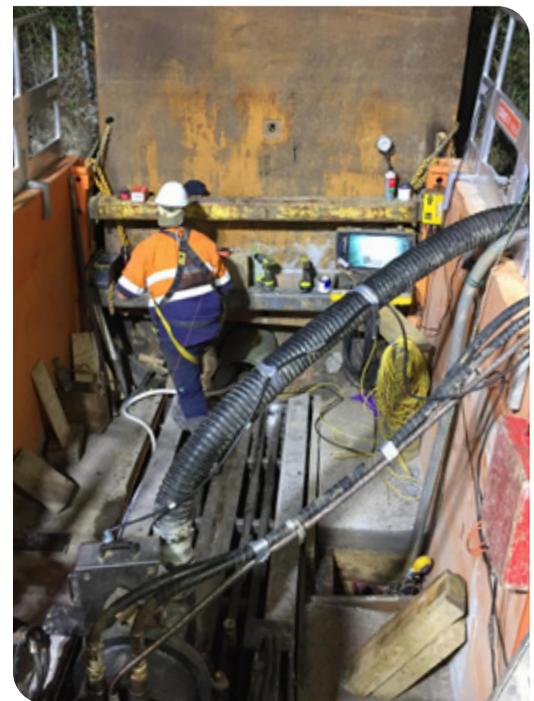
Both bores successfully punched through with plenty of time to spare despite the wet weather – the first at 11pm Saturday night and the second Sunday around midday.

As the casing was installed, there was no need to install the carrier pipe during the shutdown, however the guys did anyway, ready for it to be grouted up during the next week.

Successfully completing the two rail bores well within the shutdown period is a terrific achievement.

Congratulations and thanks to both the crew involved and the client.

Scott Wells
NSW Project Manager



PEZZIMENTI TUNNELBORE



For all inquiries - including Job
Inspections, Quotations and Project
Feasibilities - please don't hesitate
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We are confident we'll hit the mark
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When Accuracy Matters.