

FOLIGNO - 2016

CLIENT
CONSORZIO DI BONIFICAZIONE UMBRA /
RAGAZZINI SPA

PROJECT NAME
Orte-Falconara Line - "Verona System"
temporary bridges for track support, as part
of the hydraulic system works of the basins of
the Fosso Alveola - Fosso Forma Vecchia in
the municipality of Foligno

YEAR
2016

LOCATION
FOLIGNO, ITALIA

DESCRIPTION:
Verona System temporary bridges installation
on two tracks of the Orte - Falconara line and
box jacking with hydraulic jacks. Train traffic
circulation on the line remained active for the
entire duration of the work

LAUNCH TYPE
 Open pit
 Partial diversion
 Tunnel
 Temporary bridges

TRAVEL DISTANCE
38.50 m - 126' 3"

JACKING AVG. PRODUCTION
2.50 m/h

BOX SIZE
- Base: 3.50m
- Height: 3.50m
- Length: 35.70m

BOX WEIGHT
600 ton - 1322 kips

SHUTDOWN DURATION
No traffic interruption

EXCAVATION TYPOLOGY
 from the inside
 from the outside

DRAWINGS

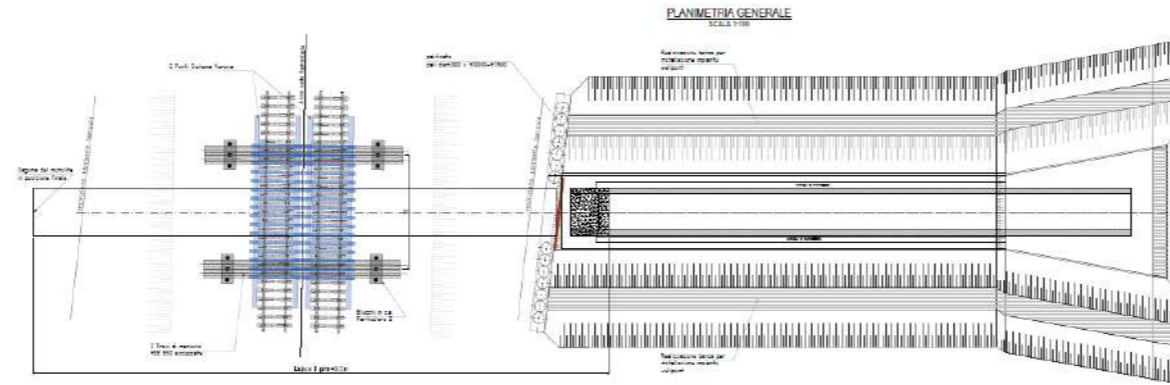


Figure 1 - Project plan

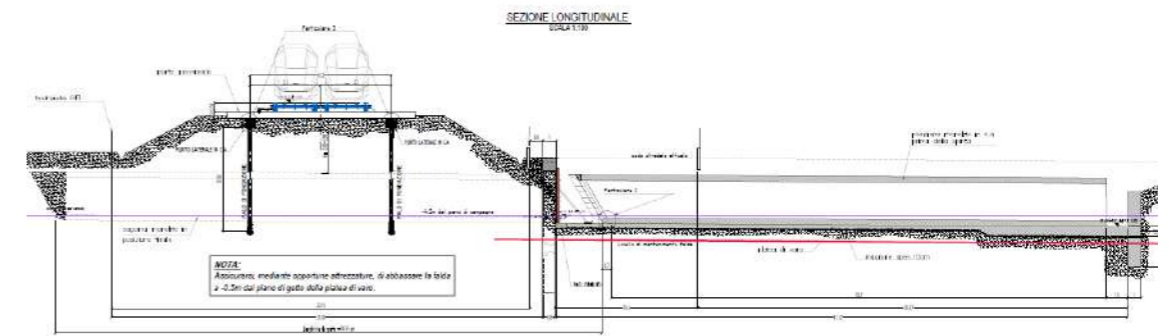


Figure 2 - Project plan

PICTURES



Figure 3 - Verona System installed on tracks with active train traffic circulation



Figure 4 - Box before jacking

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PICTURES



Figure 5 - Box jacking with hydraulic jacks, spacers and power packs



Figure 6 - Jacking wall and jacking column



Figure 7 - Box Jacking



Figure 8 - End of Box Jacking