

GENOVA - 2013

CLIENT
 CORNIGLIANO 2009 SCARL

PROJECT NAME
 GENOVA CORNIGLIANO ITINERA

YEAR
 2013

LOCATION
 GENOVA, ITALY

DESCRIPTION:
 Construction of two railway underpasses on the urban road running from the Canepa seafront to Piazza Savio in Genoa.

LAUNCH TYPE
 Open pit
 Partial diversion
 Tunnel
 Temporary bridges

TRAVEL DISTANCE
 Box Savio 1: 20,00 m - 65' 7"
 Box Savio 2: 20,00 m - 65' 7"

JACKING AVG. PRODUCTION
 1.50 m/day

BOX SIZE
 - Base: 19.24 m - 63' 1"
 - Height: 10.46 m - 34' 3"
 - Length: 23.76 m - 77' 11"

BOX WEIGHT
 Box Savio 1: 2600 ton - 5800 Kips
 Box Savio 2: 2200 ton - 4900 Kips

SHUTDOWN DURATION
 0 hours

EXCAVATION TYPOLOGY
 from the inside
 from the outside

DRAWINGS

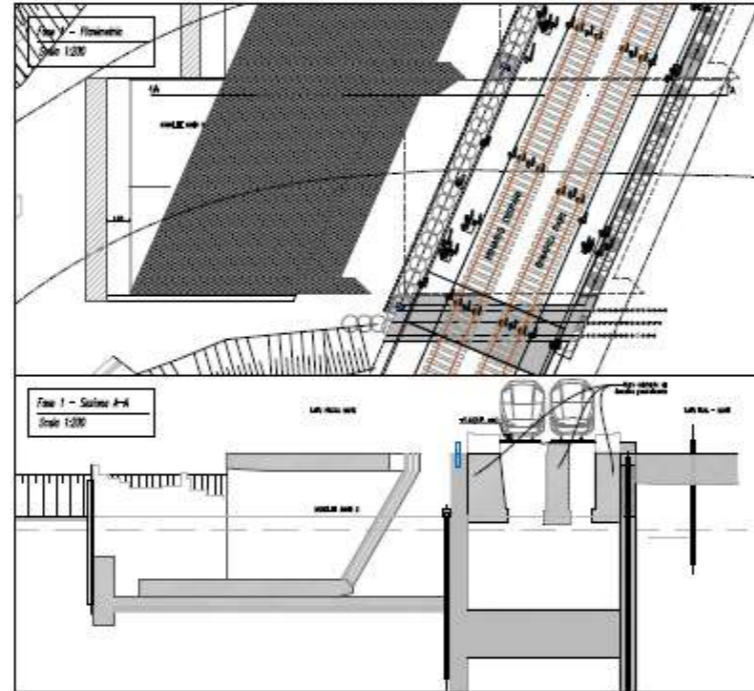


Figure 1 - Project phase

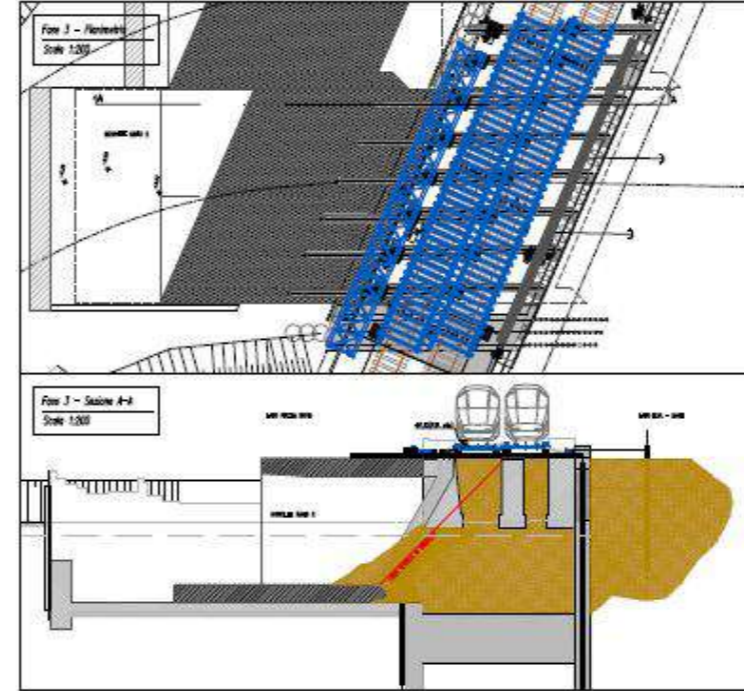


Figure 2 - Project phase of box jacking

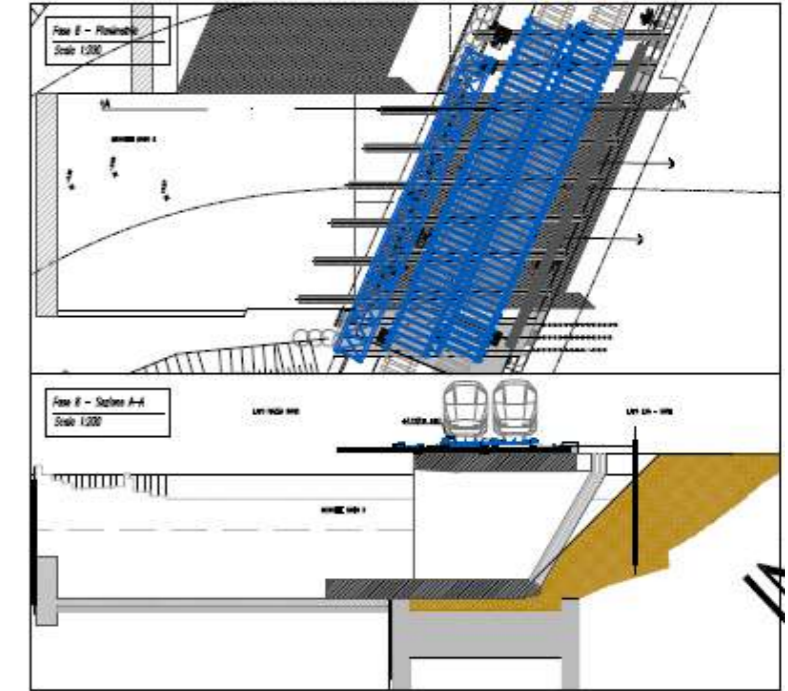


Figure 3 - Final phase of box jacking

PICTURES



Figure 4 - Verona System



Figure 5 - Transverse beams and the Verona System

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PICTURES



Figure 6 - Box jacking with hydraulic jacks



Figure 7 - View of the two boxes during jacking



Figure 8 - Final phases of box jacking



Figure 9 - Excavation from the inside