

N.T.B. Engineers

Company profile

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N.T.B. specializes in the design of road and railway bridges, tunnels, different types of road structures and underground structures.

N.T.B. was founded by Benny Mairantz, Nachum Skolnick and Tomer Giberman by merging the activities of two leading civil engineering firms.

The company employs a large talented team of experienced civil engineers, along with engineering support staff, specializing in bridges, infrastructure structures and buildings design.

N.T.B.'s engineers vast experience, allows the company to offer solutions that create the optimal balance between constraints of time, ease of construction, minimal disruption to traffic, aesthetics and environmental protection, while meeting budget and time schedules.

Areas of expertise:

- Precast bridges.
- Cast in-situ bridges.
- Tunnels and underground structures
- Balanced cantilever bridges.
- Incremental launching bridges.
- Spliced girder bridges.
- Steel and composite bridges.
- All types of road structures such as water culverts, retaining walls, acoustic walls etc.
- Steel and precast structures.

Among our current and past clients:

- Netivey Israel-National Transport Infrastructure Company Ltd
- Israel Railways
- Cross Israel Highway Ltd
- Ayalon Highway
- Ministry Of Defense
- Ministry Of Construction & Housing
- NTA-Metropolitan Mass Transit System Ltd
- Yefe Nof
- Moriah – Development company of Jerusalem
- Oron Group Investment & Holdings Ltd
- Danya Cebus
- Solel Boneh and Shikun & Binui Real Estate
- Shapir Engineering & Manufactory
- Linom Group
- Rolider Ltd
- Ackerstein
- Ashtrom Group
- Elyakim Ben-Ari Group
- Electra Infrastructure Group
- Tidhar Group

Highlighted bridges and structures
designed by the company engineers:

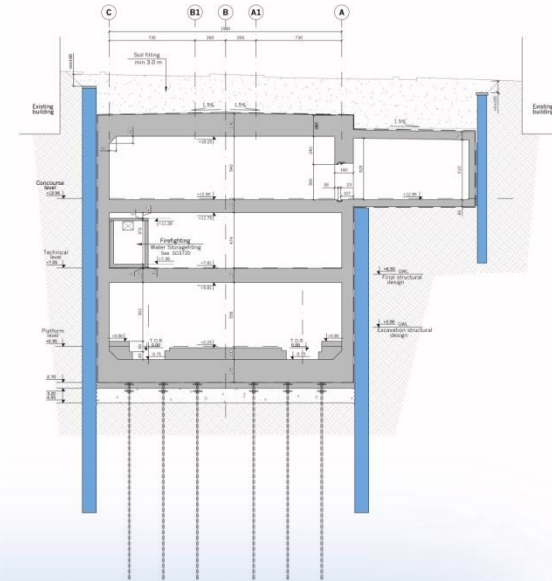
Red Line stations - Yehudit & Allenby

Structure Type: underground stations
at 30 meters depth with 22 meter span

Structure Area: 20,000 m²

Status: in progress

Owners: NTA



Ha'emek Railroad - B2 - Tunnels

Structure Type: tunnels, ditches & escape shafts

Method: Cut & Cover

Structure Area: 22,000 m²

Status: completed in 2015

Owners: Israel Railways



Arazim Bridge-Jerusalem

Structure Type: Railway Bridge for 2 tracks

Method: balanced cantilever CIP bridge, incremental launching

Spans: up to 125 meters

Structure Area: 13,000 m²

Status: 2017

Owners: Israel Railways

The Highest bridge in Israel – 85 meters above ground



- In cooperation with Ponting Consulting Engineers Ltd

Bridge 9

Structure Type: railway bridge

Method: incremental launching bridge

Spans: up to 44 meter

Structure Area: 2,850 m²

Status: completed in 2014

Owners: Israel Railways



Haemek Railroad - B2 - Bridges

Structure Type: Railway Bridges, over road 60

Method: Post-tensioning beams, spliced girders

Spans: up to 50 meters

Structure Area: 6,500 m²

Status: completed in 2015

Owners: Israel Railways



Road 1 – Motza Bridge

Structure Type: road bridge

Method: segmental precast balanced cantilever bridge

Spans: up to 68 meters

Structure Area: 24,000 m²

Status: completed in 2016

Owners: Netivey Israel



- In cooperation with Finley Engineers group Ltd

Road 1 – Hemed Bridge

Structure Type: road bridge

Method: precast beams

Spans: up to 39 meters

Structure Area: 1,285 m²

Status: completed in 2016

Owners: Netivey Israel



Haemek Bridge – A1

Structure Type: railway bridge

Spans: up to 52 meters

Structure Area: 16,000 m²

Status: completed in 2014

Owners: Israel Railways

The longest bridge in Israel (2,100 m)



Giborim Bridge - Haifa

Structure Type: road bridge

Method: balanced cantilever CIP bridge

Spans: up to 90 meter

Structure Area: 5,000 m²

Status: completed in 2012

Owners: Yefe Nof Haifa



- In cooperation with Ponting Consulting Engineers Ltd

Shikma Bridge

Structure Type: railway bridge for 2 tracks

Method: incremental launching bridge

Spans: up to 46 meter

Structure Area: 5,000 m²

Status: completed in 2012

Owners: Israel Railways



Ra'anana South Interchange

Structure Type: multi level road bridge

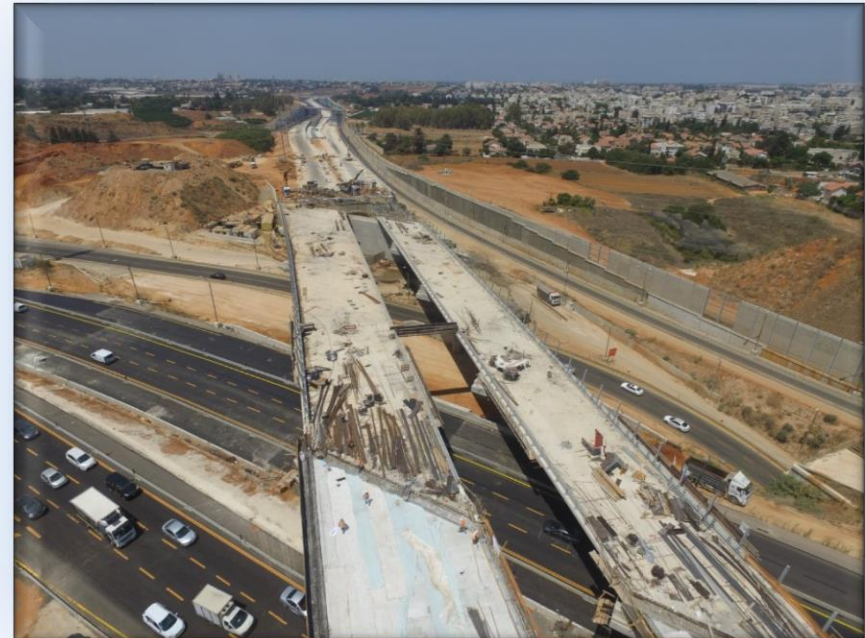
Method: beam & spliced girder

Spans: up to 42 meter

Structure Area: 15,000 m²

Status: completed in 2017

Owners: Netivey Israel



Navot Bridge

Structure Type: road bridge

Method: spliced girders

Spans: up to 52 meter

Structure Area: 4,200 m²

Status: completed in 2015

Owners: Netivey Israel



Histadrut Bridge

Structure Type: road bridge

Method: spliced girders

Spans: up to 72 meter

Structure Area: 14,000 m²

Status: completed in 2012

Owners: Netivey Israel



Bridge Over Road 4 – Hilazon Stream

Structure Type: road bridge

Method: precast beams

Spans: up to 39 meter

Structure Area: 4,000 m²

Status: completed in 2015

Owners: Netivey Israel



Fliman Bride - Haifa

Structure Type: road bridge

Method: cast on site, span by span, Post-tensioned bridge

Spans: up to 26 meter

Structure Area: 1,100 m²

Status: completed in 2003

Owners: Yefe Nof, Haifa



183 Over pass - Sgula

Structure Type: road bridge

Method: precast beams

Spans: up to 27.5 meter

Structure Area: 3,000 m²

Status: completed in 2011

Owners: Israel Railways



Park Givataim Bridge

Structure Type: pedestrian bridge

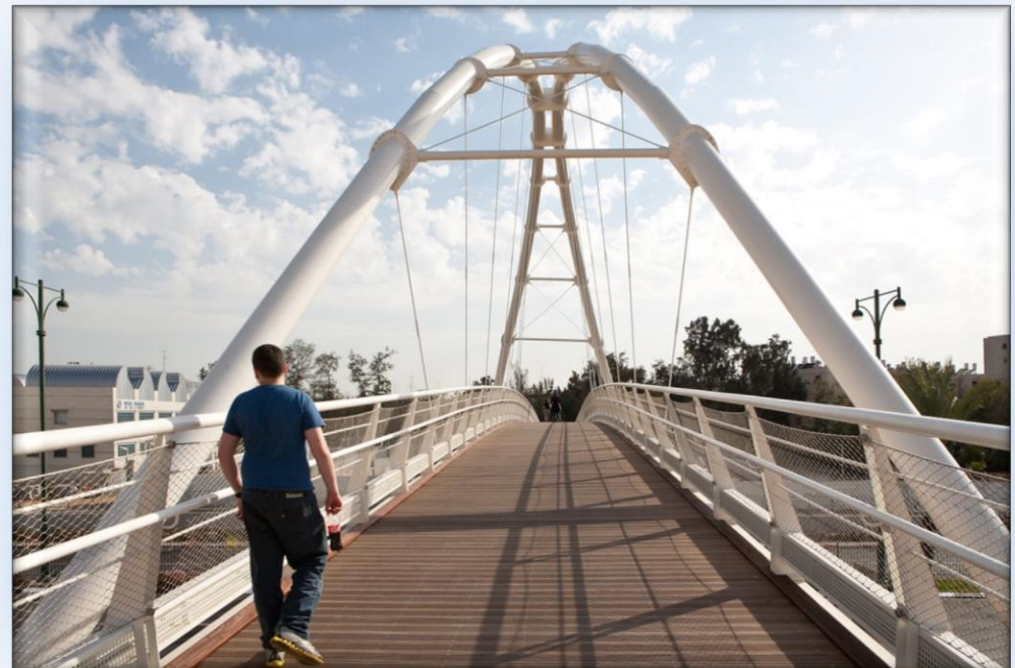
Method: suspended steel arc bridge

Spans: up to 100 meter

Structure Area: 800 m²

Status: completed in 2011

Owners: Givataim municipality



Kaplan Pedestrian Bridge – Nahariya

Structure Type: pedestrian bridge

Method: steel arc bridge

Spans: up to 46 meter

Structure Area: 900 m²

Status: completed in 2008

Owners: Israel Railways



Retrofitting Of Sorek Bridges

Bridge # 2:

Structure Type: railway ridge

Method: composite steel & concrete pavement bridge

Structure Area: 317 m²

Bridge # 5:

Structure Type: railway bridge

Method: composite steel & concrete pavement bridge

Structure Area: 337 m²

Status: completed in 2004

Owners: Israel Railways

