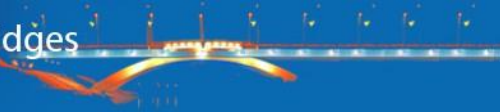


The selected bridges of southeast Poland

Tomasz Siwowski

Rzeszow University of Technology
&
Promost Consulting, Rzeszow





The selected bridges

Father Bernatek footbridge
Cracow

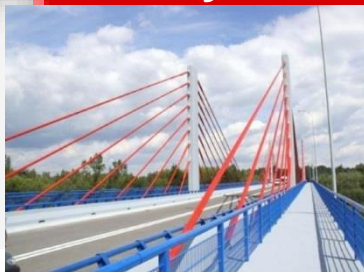
Raba River bridge
Dobczyce

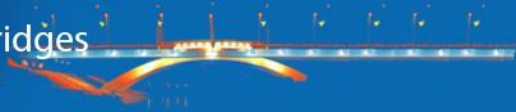
Vistula River bridge
Sandomierz

Castel Bridge
Rzeszow

Circular footbridge
Rzeszow

San River bridge
Przemysl





Vistula River bridge, Sandomierz



Client: GDDKiA

Contractor: Mota Engil CE

Designer: Transprojekt Warszawa

Unit cost: 3,100 €/m²

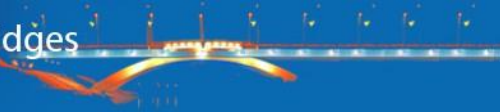
Construction year: 2011



Vistula River bridge, Sandomierz

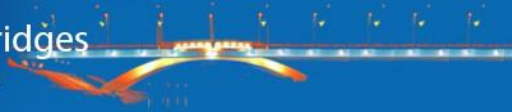


**The bridge is five-span continuous beam structure
with the spans of $84,8 + 3 \times 95,4 + 84,8$ m.
The total length of the bridge is 458,0 m.**



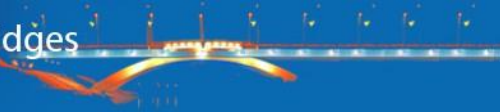
Vistula River bridge, Sandomierz



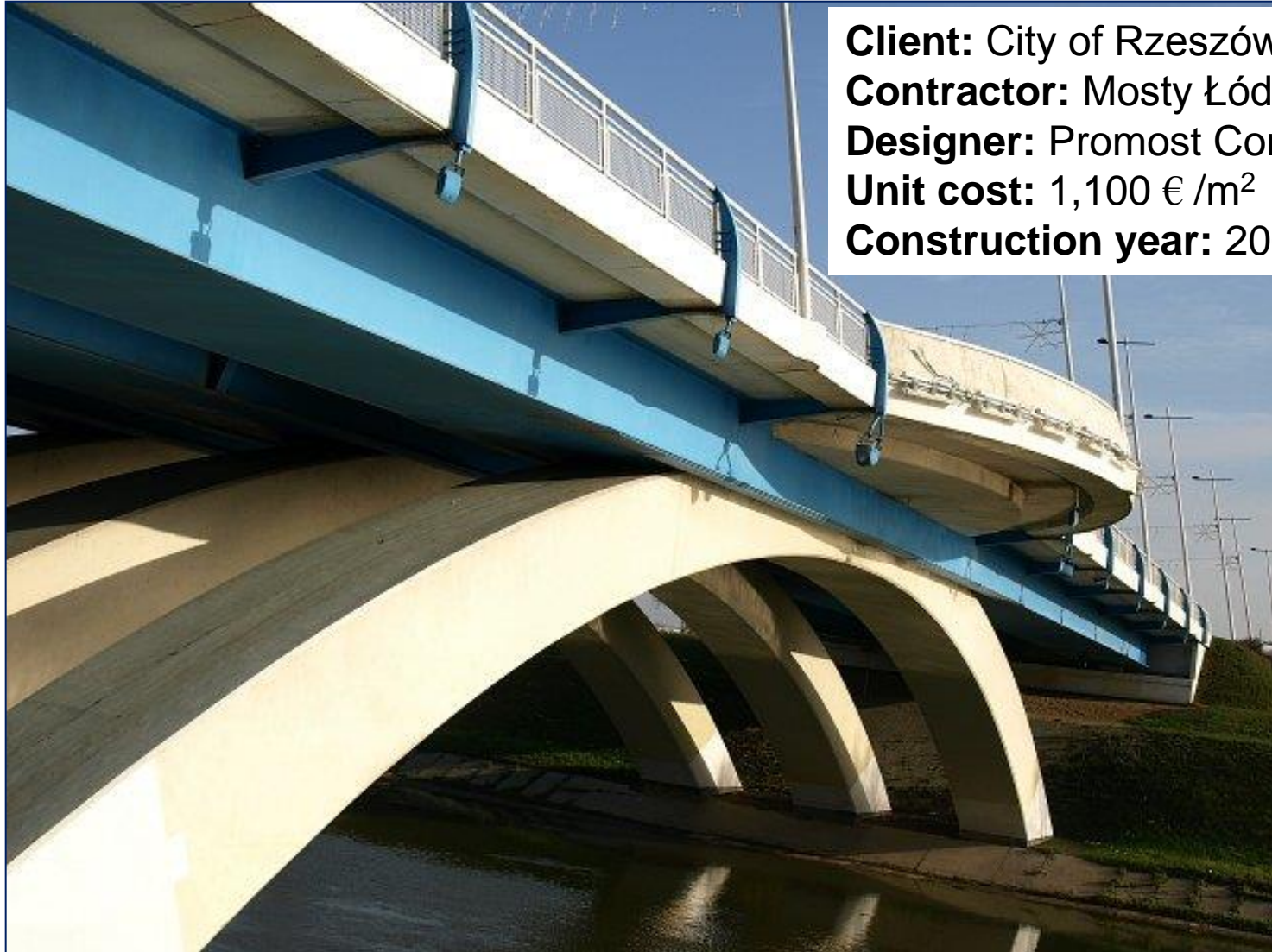


Vistula River bridge, Sandomierz

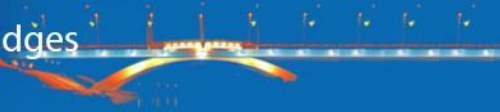




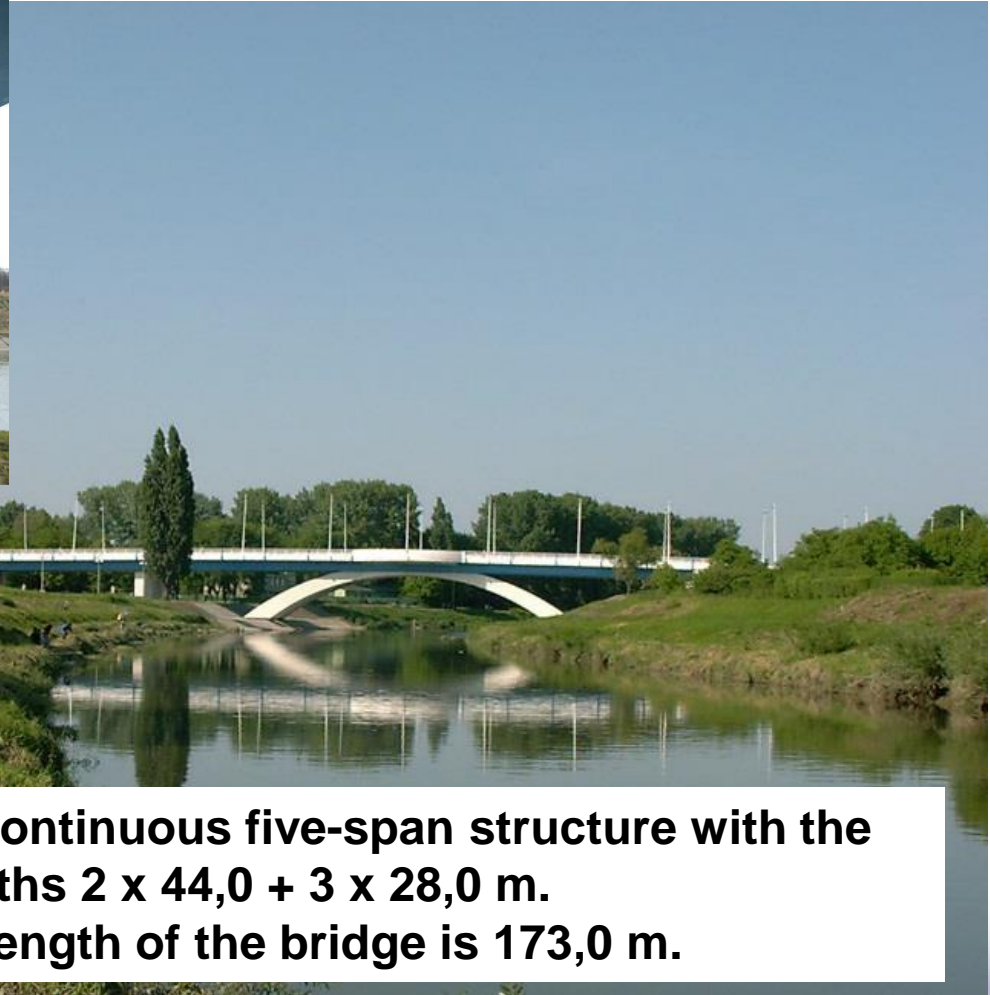
Castel Bridge, Rzeszow



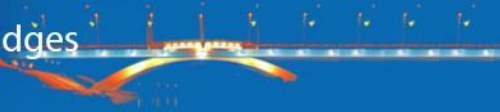
Client: City of Rzeszów
Contractor: Mosty Łódź SA
Designer: Promost Consulting
Unit cost: 1,100 € /m²
Construction year: 2002



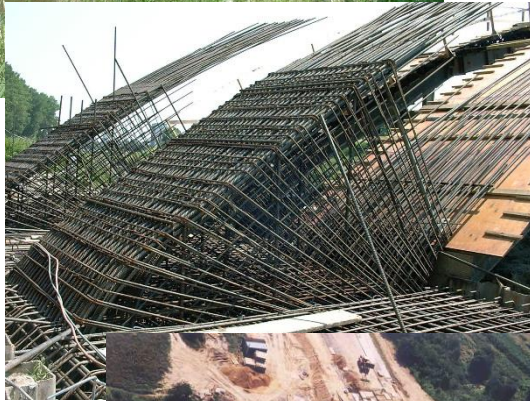
Castel Bridge, Rzeszow

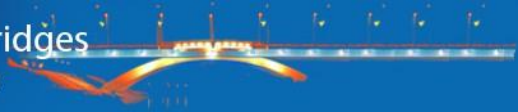


**The bridge is the continuous five-span structure with the lengths $2 \times 44,0 + 3 \times 28,0$ m.
The total length of the bridge is 173,0 m.**



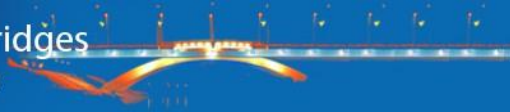
Castel Bridge, Rzeszow





Castel Bridge, Rzeszow

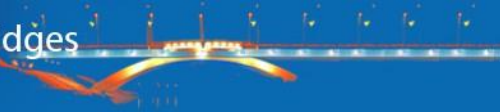




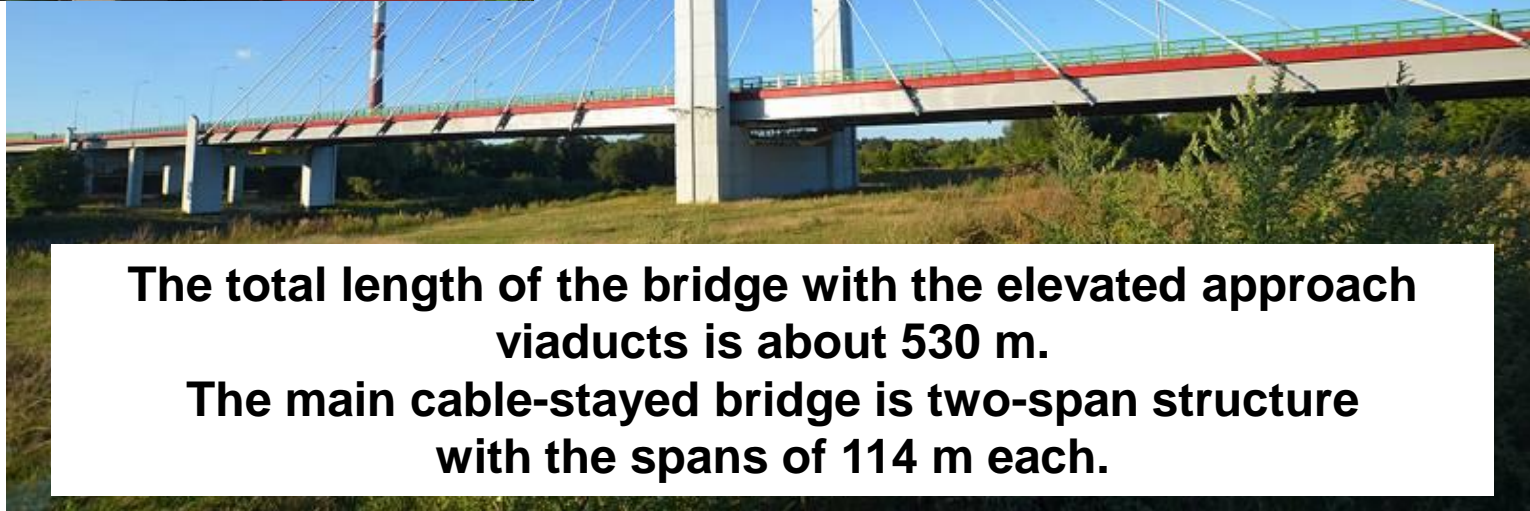
San River bridge, Przemyśl



Client: City of Przemyśl
Contractor: Mota Engil CE
Designer: Promost Consulting
Unit cost: 1,650 €/m²
Construction year: 2012

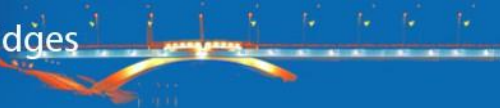


San River bridge, Przemyśl

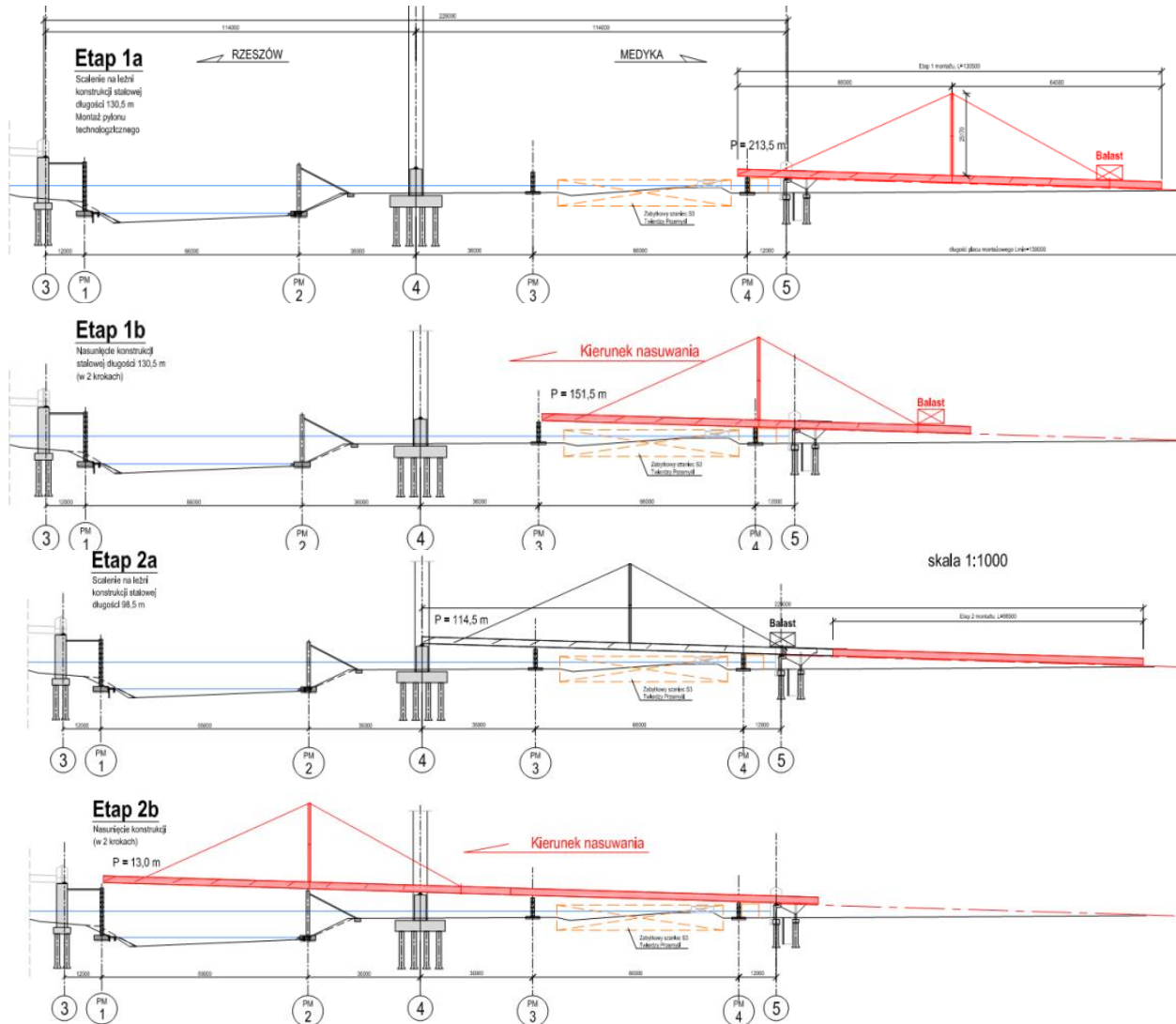


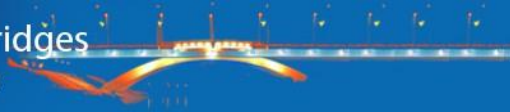
The total length of the bridge with the elevated approach viaducts is about 530 m.

The main cable-stayed bridge is two-span structure with the spans of 114 m each.



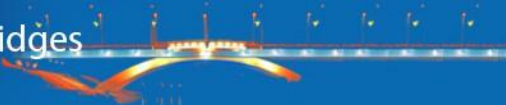
San River bridge, Przemyśl





San River bridge, Przemyśl

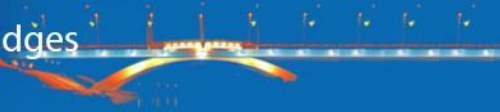




Raba River bridge, Dobczyce



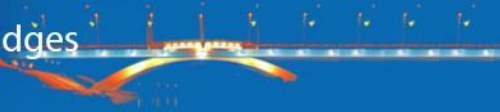
Client: Małopolskie Voivodeship
Contractor: Mota Engil CE
Designer: Promost Consulting
Unit cost: 1,400 € /m²
Construction year: 2012



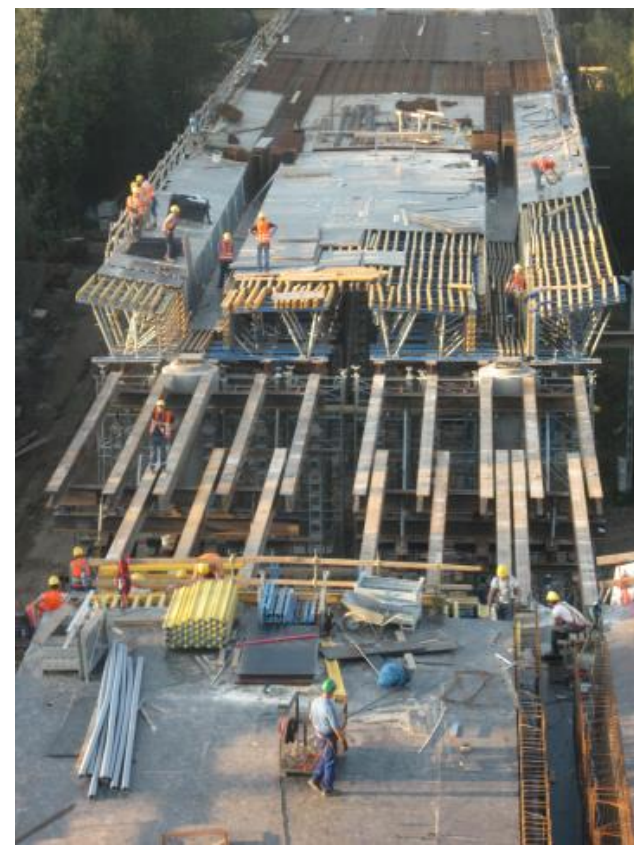
Raba River bridge, Dobczyce

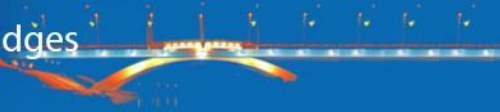


**The total length of the bridge with the elevated approach viaducts is about 645 m.
The extradosed bridge is three-span structure with the spans of 51+ 76+51 m.**



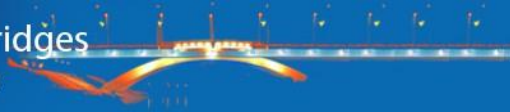
Raba River bridge, Dobczyce





Raba River bridge, Dobczyce





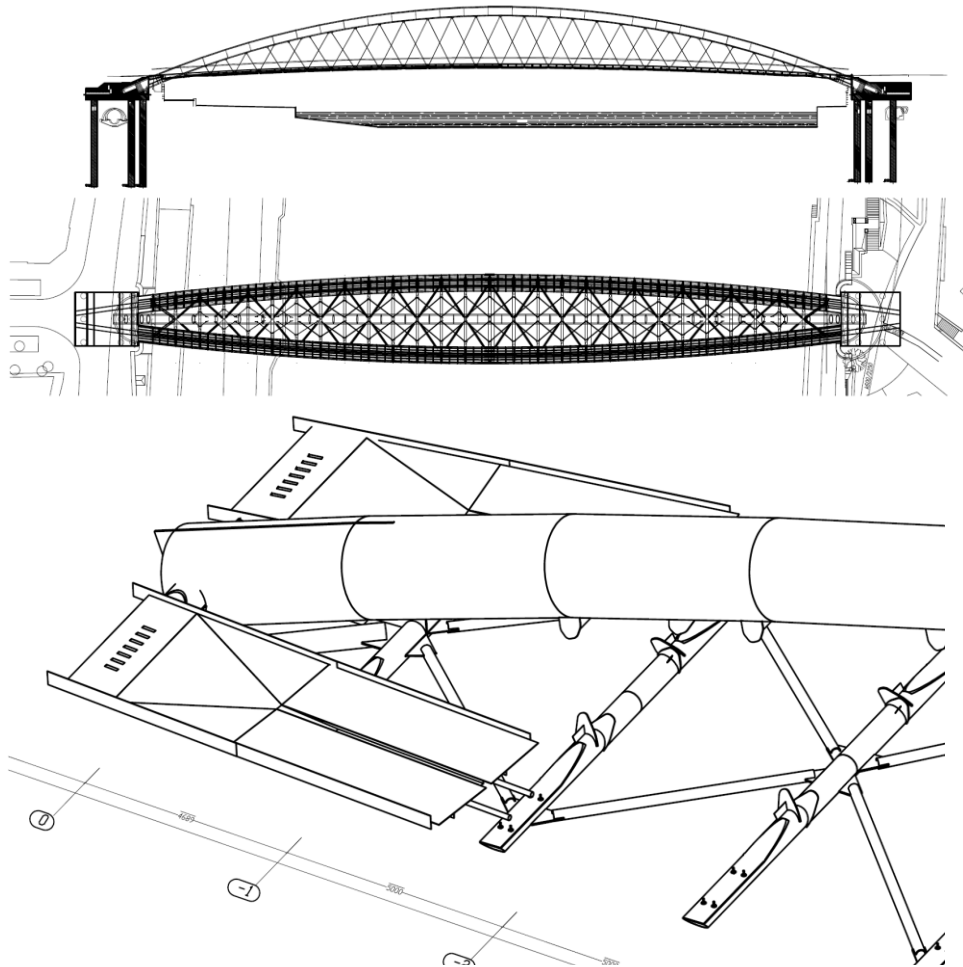
Father Bernatek footbridge, Cracow



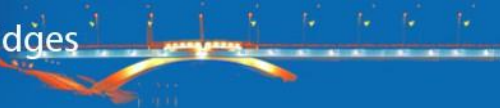
Client: City of Cracow
Contractor: Intecor / Intop Tbg
Designer: Promost Consulting (L)
Unit cost: 10,500 € /m²
Construction year: 2010



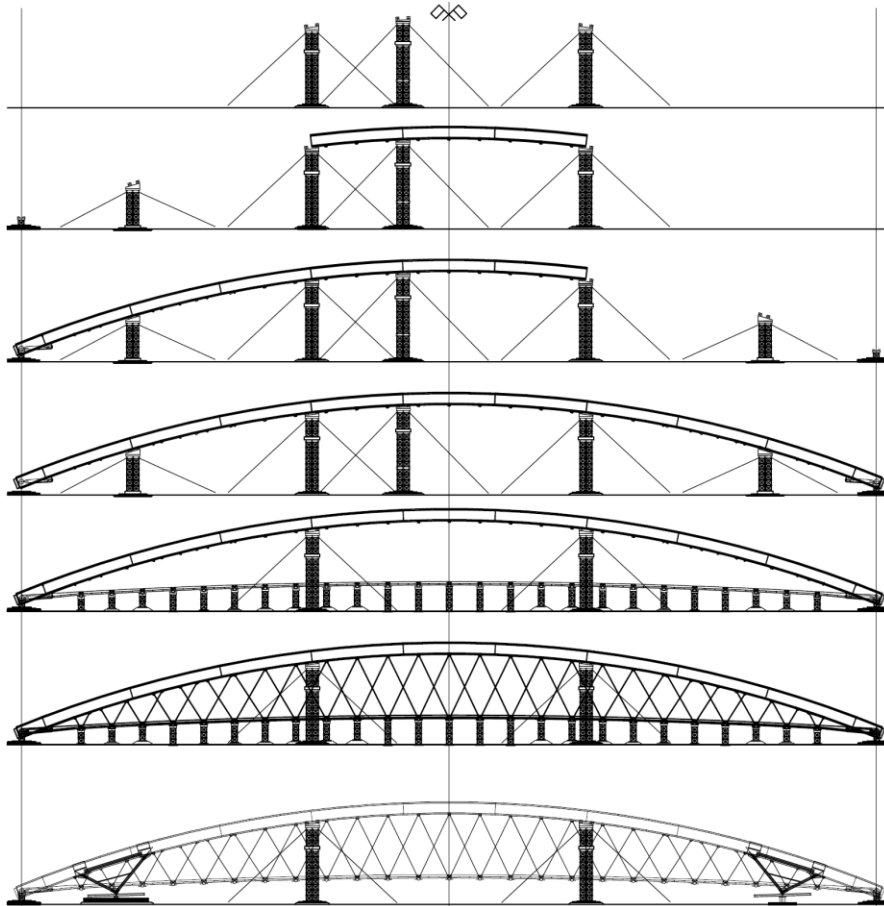
Father Bernatek footbridge, Cracow

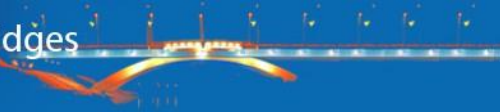


The footbridge is 148 m long tied arch steel structure with main arch girder of circular cross section and twin suspended orthotropic steel deck

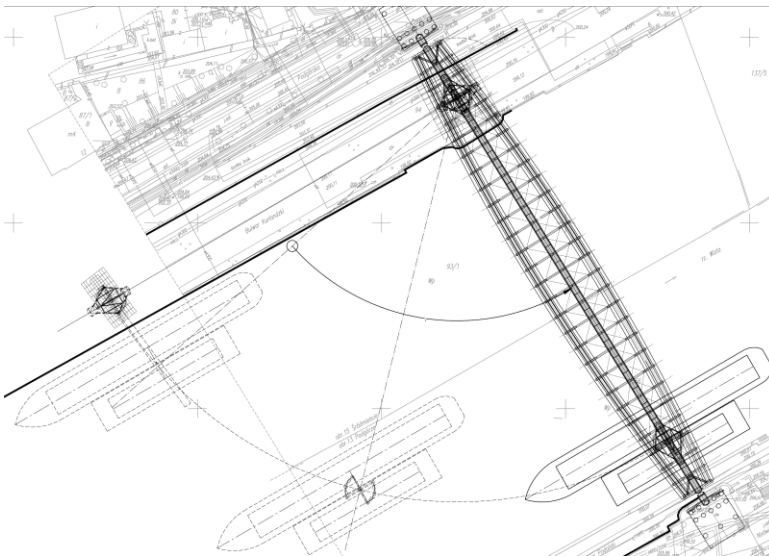


Father Bernatek footbridge, Cracow





Father Bernatek footbridge, Cracow





Father Bernatek footbridge, Cracow





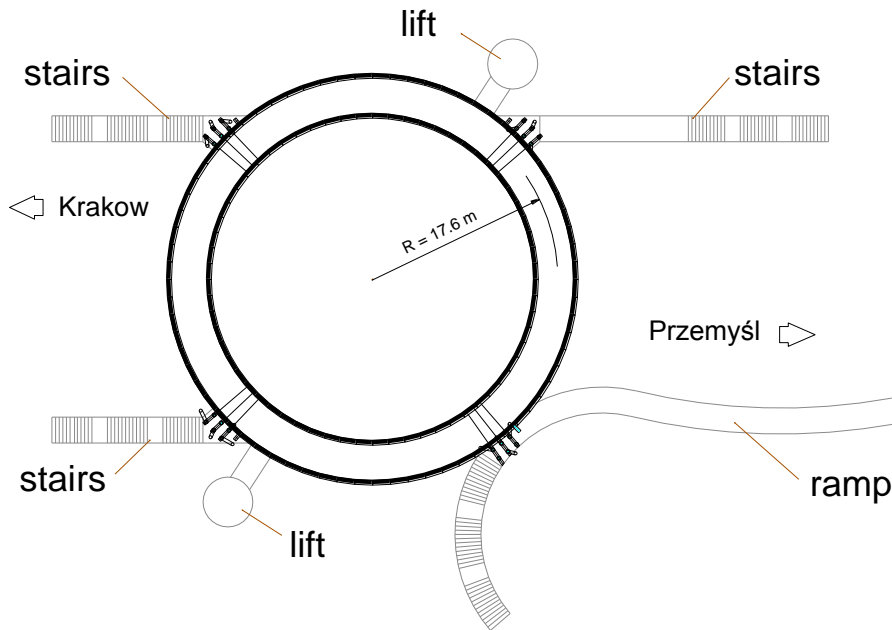
Circular footbridge, Rzeszow

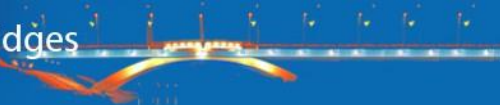


Client: City of Rzeszów
Contractor: Skanska SA
Designer: Promost Consulting
Unit cost: 8,950 €/m²
Construction year: 2012

Circular footbridge, Rzeszow

- The steel box ring with outer diameter of 40 m
- The service width of 4 m
- CFST pillars in all supports
- Ramp and staircases: precast RC structures, service width 2.5 m
- Two high volume lifts: carrying capacity of 1000kg/13 people





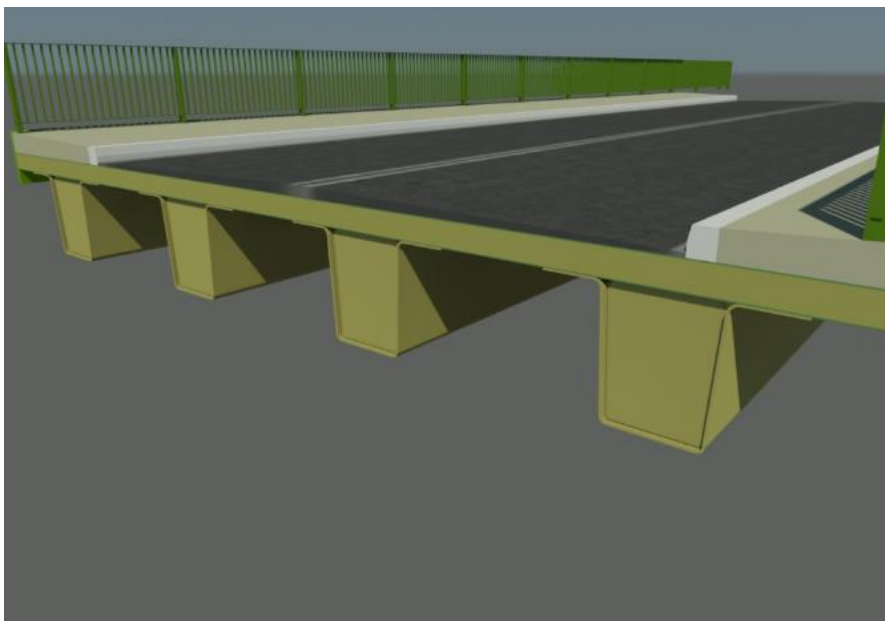
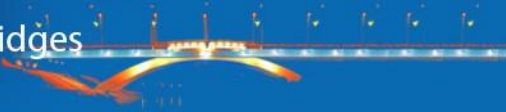
Circular footbridge, Rzeszow





Circular footbridge, Rzeszow





Thank you

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www.prz.edu.pl,

www.promost.pl