ENGINEERING STRUCTURES MADE OF PRECAST ELEMENTS

CON/SPAN

INNOVATION IN BRIDGES

ViaCon
Engineering structures made of precast elements of CON/SPAN are used for roads, railways and industrial applications:

- bridges
- overpasses
- tunnels
- culverts
- underpasses
- pedestrian tunnels
- ecological crossings
- shelters
- underground storages

Benefits of CON/SPAN system:

- designed for all road and railway live load classes according to norm PN-85/S-10030 and PN-EN 1991-2. All system conform to AASHTO LRFD Bridge Specification
- provides ease and speed of installation
- minimal reinforcement to be placed on site
- no need to use formwork
- no connection in cross section – installation without the use of scaffolding
- possibility to make bend in plan view
- complete system, unification of design and production
- wide scope of applications
- a wide range of cross sections
- possibility of installing the CON/SPAN system after the Express Foundations are done – reduction of installation time
- possibility of using only certain elements of the system

CON/SPAN construction process:

- excavate and prepare foundation subgrade
- unload and place precast foundation sections
- place minimal reinforcing at joints to provide foundation continuity
- set precast bridge units, headwalls and wingwalls
- fill cells with cast-in-place concrete
- seal joints, grout wingwalls and backfill

Fig. 1 Elements consist of precast buried bridge system CON/SPAN.
Profiles of precast buried bridge systems – spans from 3.96 m to 19.80 m:
Express Foundations system
A precast foundation system that blends the speed of precast with the economy of cast-in-place.

Technical support from ViaCon Sp. z o.o.
Cross section of engineering structure is selected according to clearance box and required load capacity. Each time characteristic parameters for individual project are defined such us: span, height, cross section area, thickness element, precast element, width, reinforcement.

ViaCon offers full support for designing of CON/SPAN precast bridge system and well qualified assembly teams will take a comprehensive system installation on site.
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