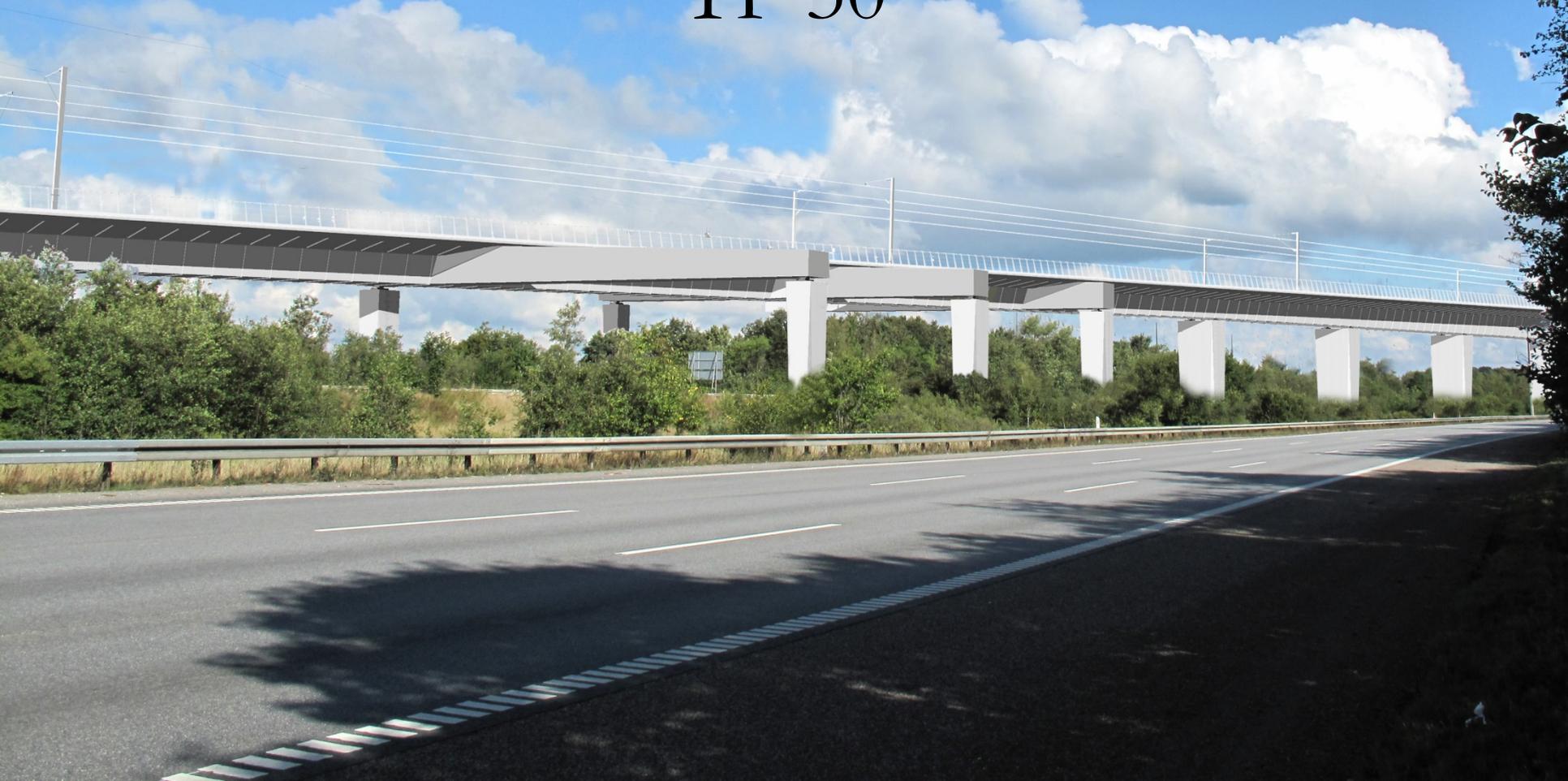
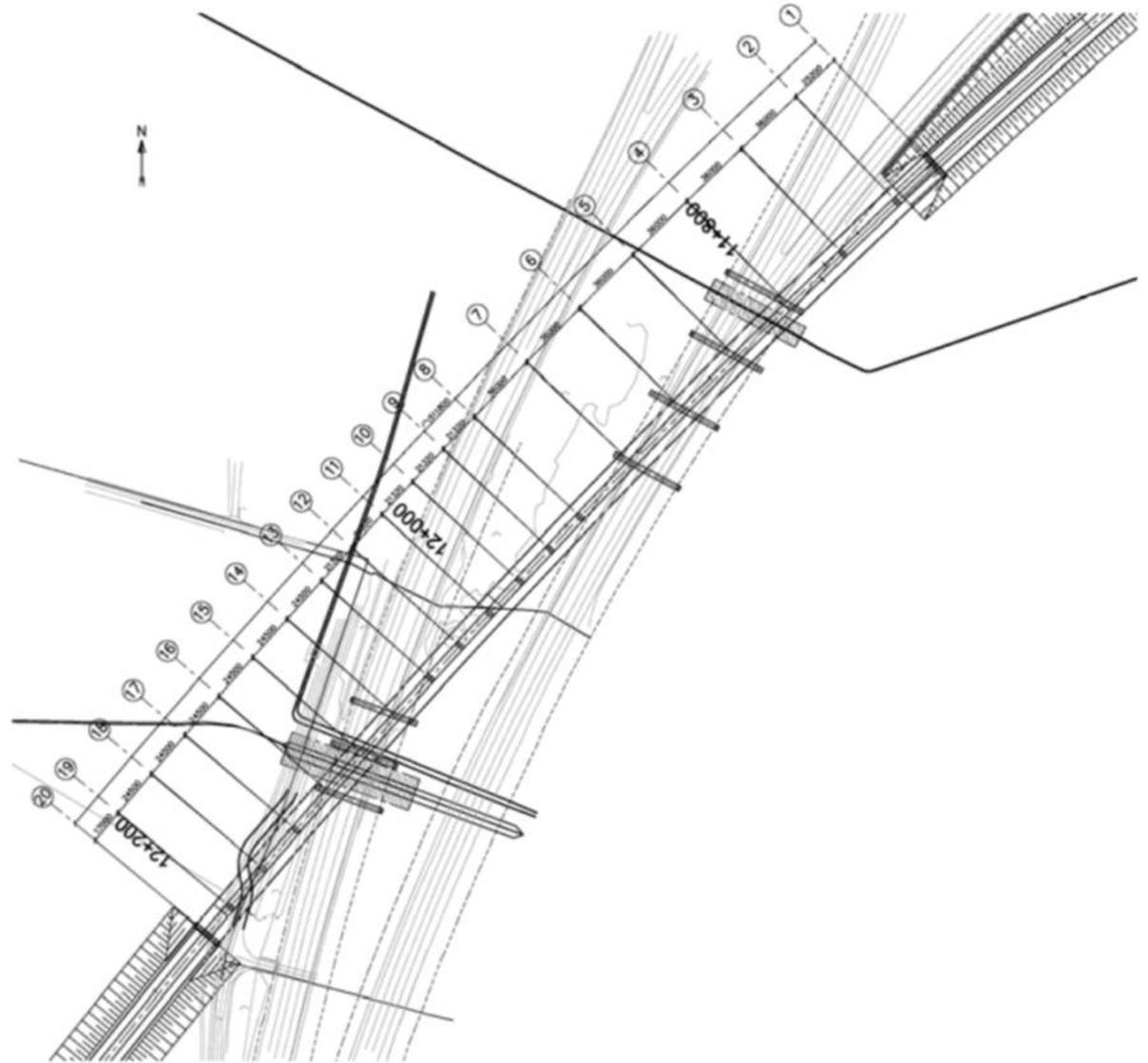


Railway Bridge
Copenhagen – Ringsted
TP 30



Plan of bridge which shows the bridge crossing the motor road in the required sharp angle.



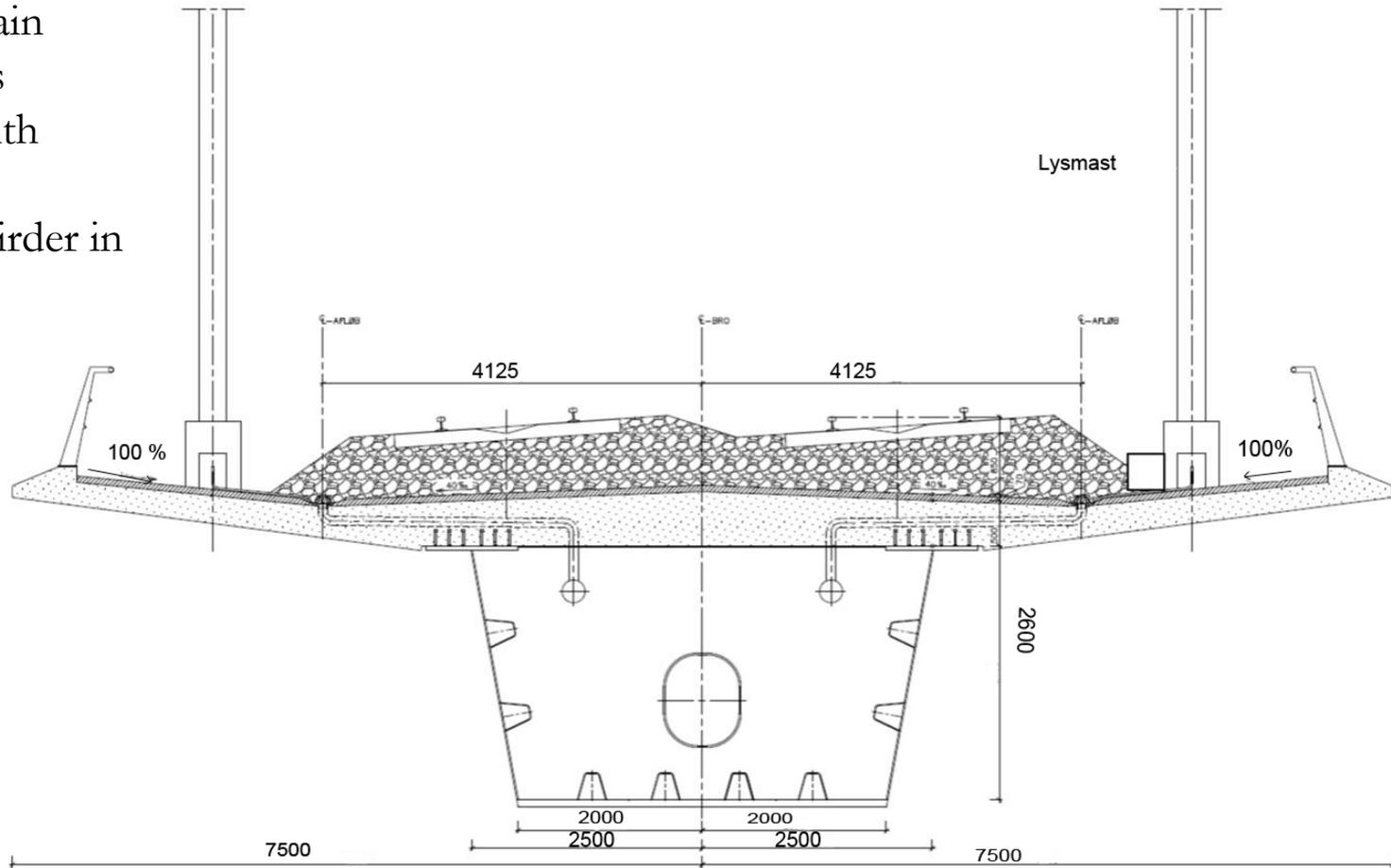


TP 30 crossing two motor roads in a skew angle.

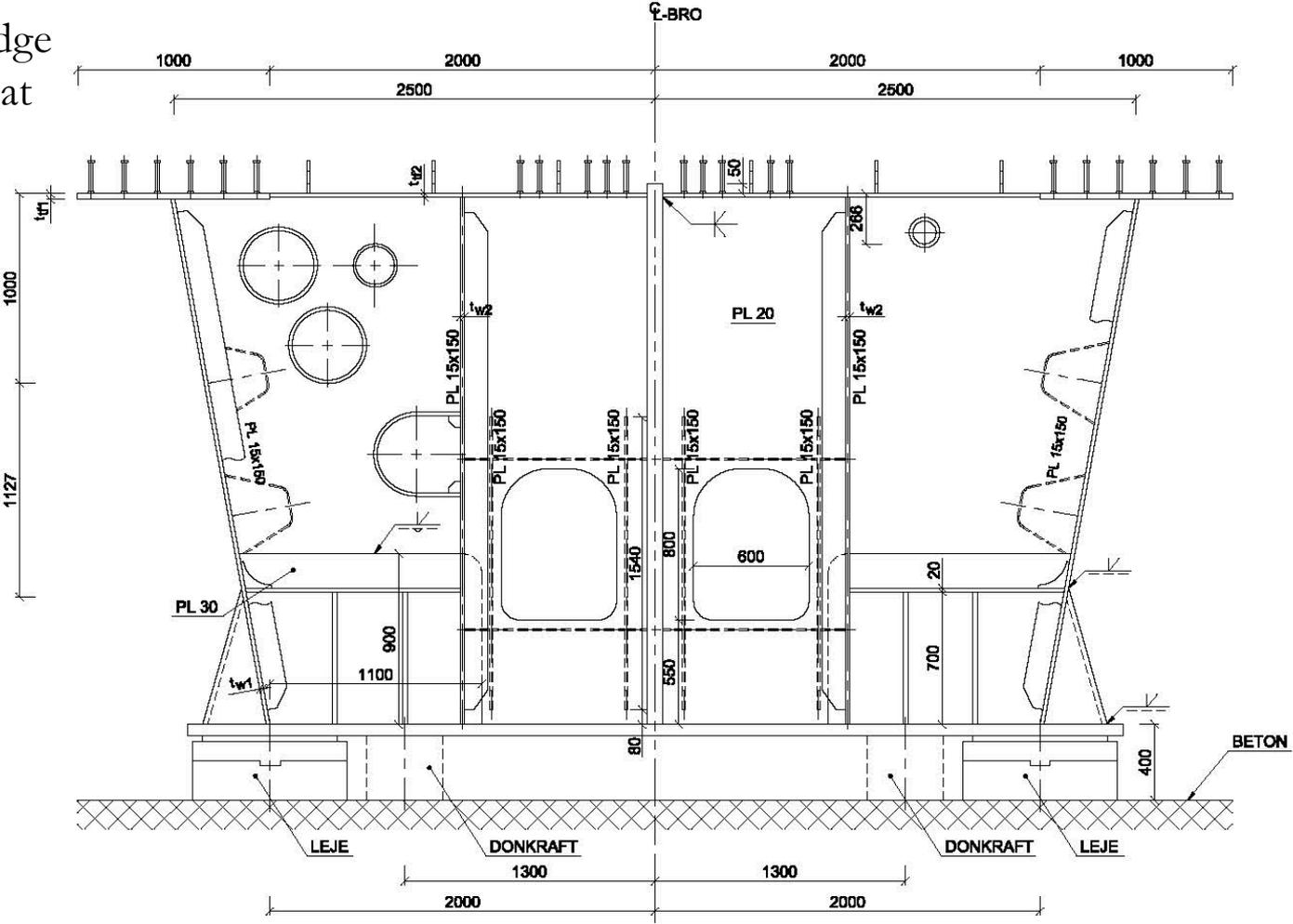


TP 30 – railway bridge line

Cross section of main girder carried out as composite girder with concrete deck and torsional rigid boxgirder in steel.



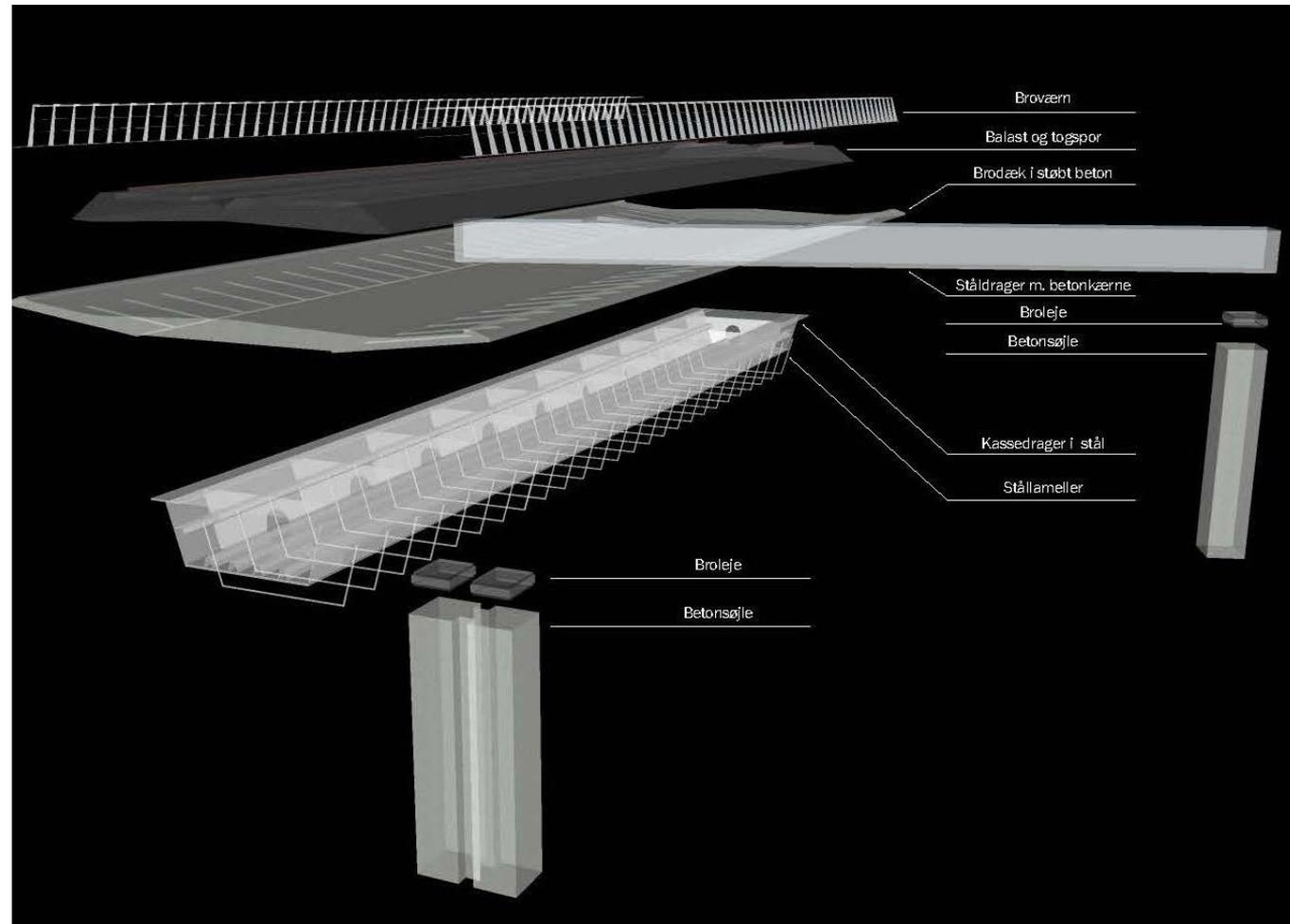
Cross section of bridge girder steel member at the support.



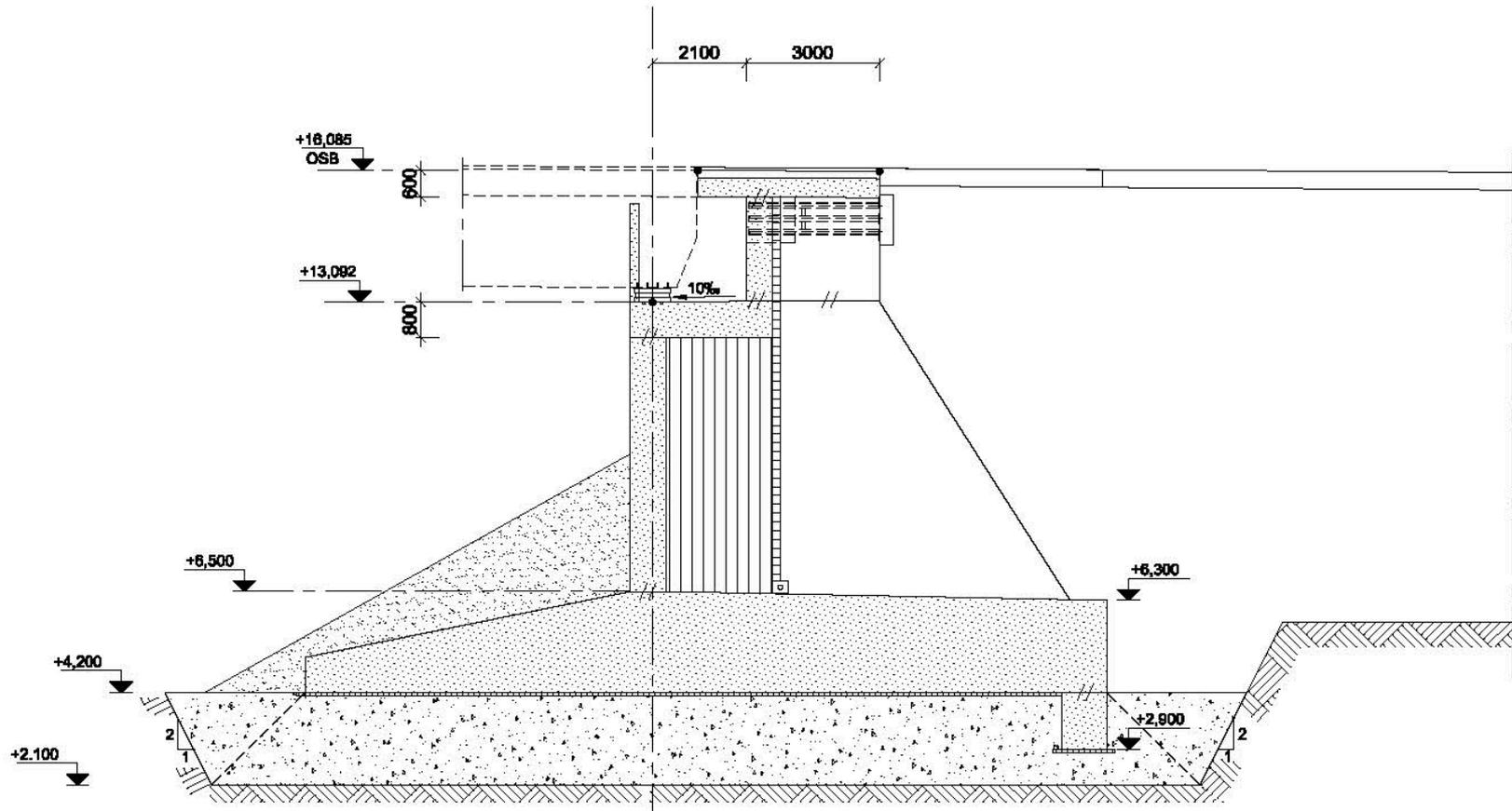
Visualization of bridge girder cross section and column.



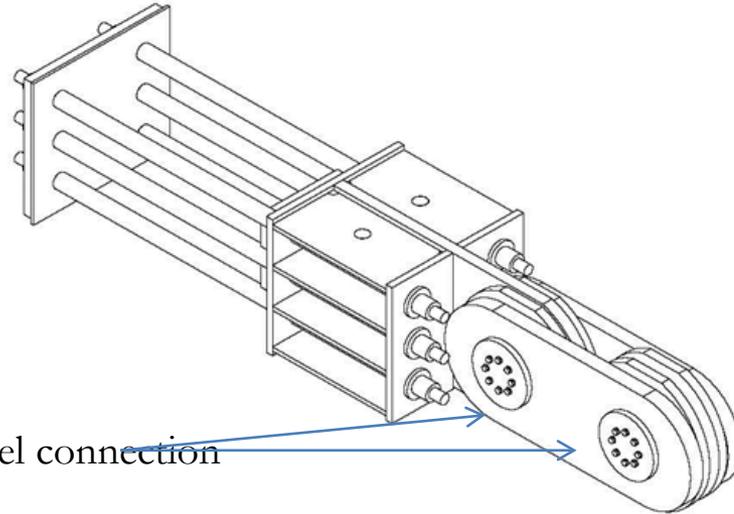
The built up concept.



Abutment for the bridge girder.

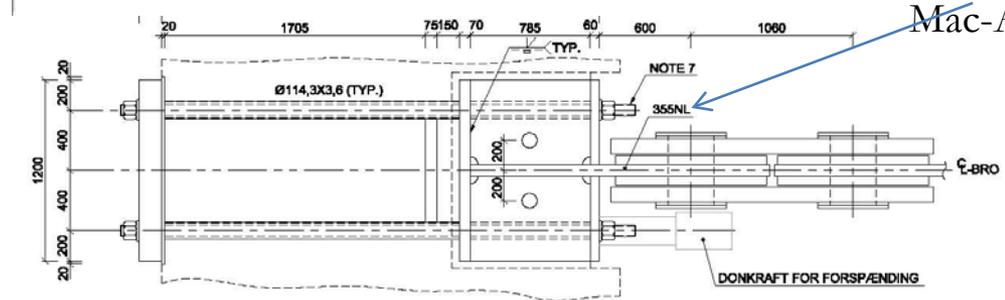


Details of anchorage joint for bridge girder to the abutment.

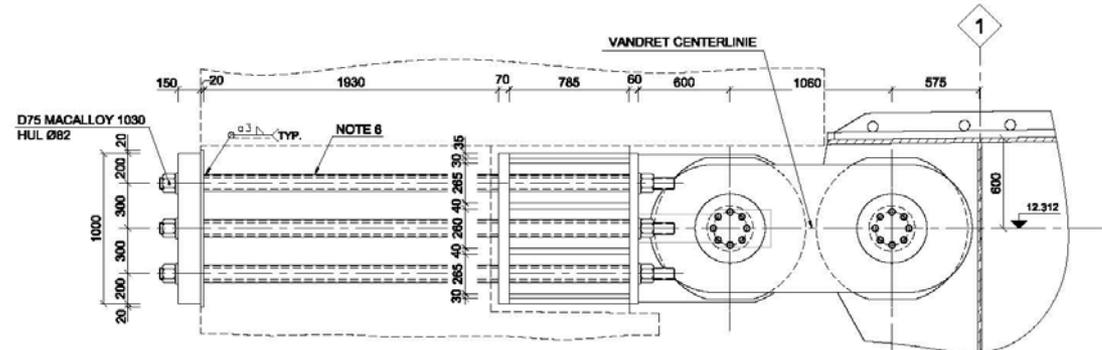


Mandrel connection

Mac-Alloy anchor bolts

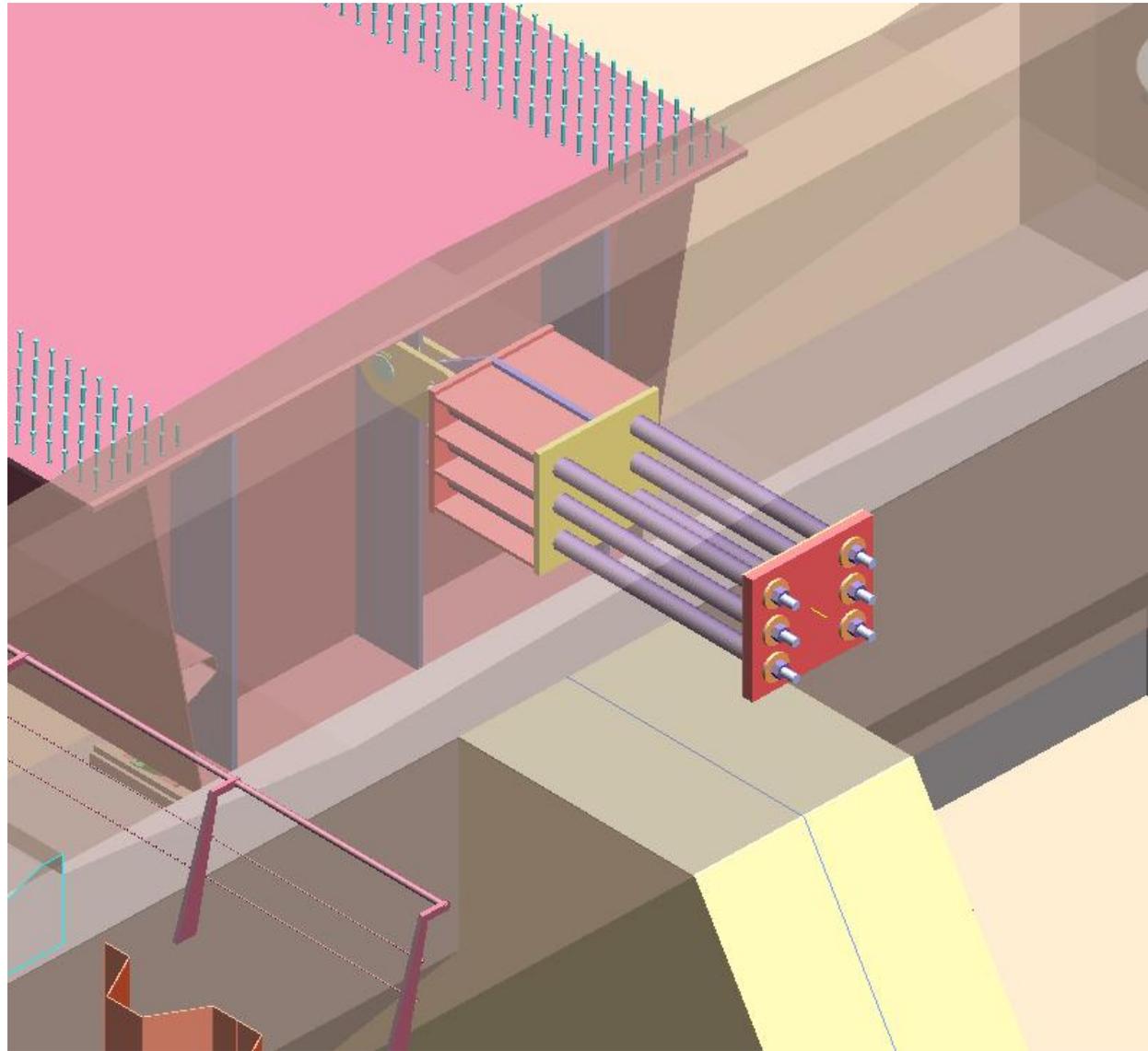


PLAN

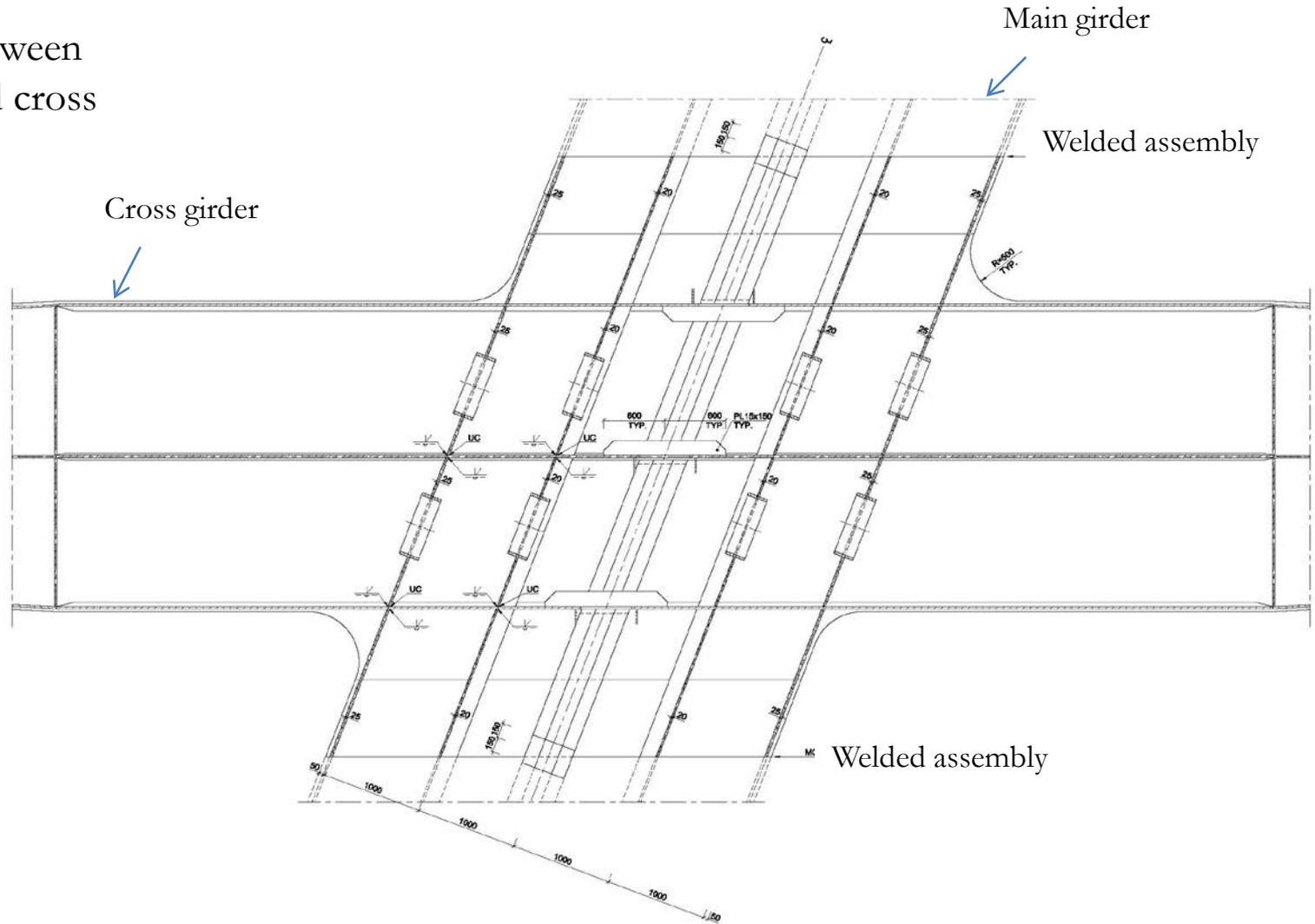


OPSTALT

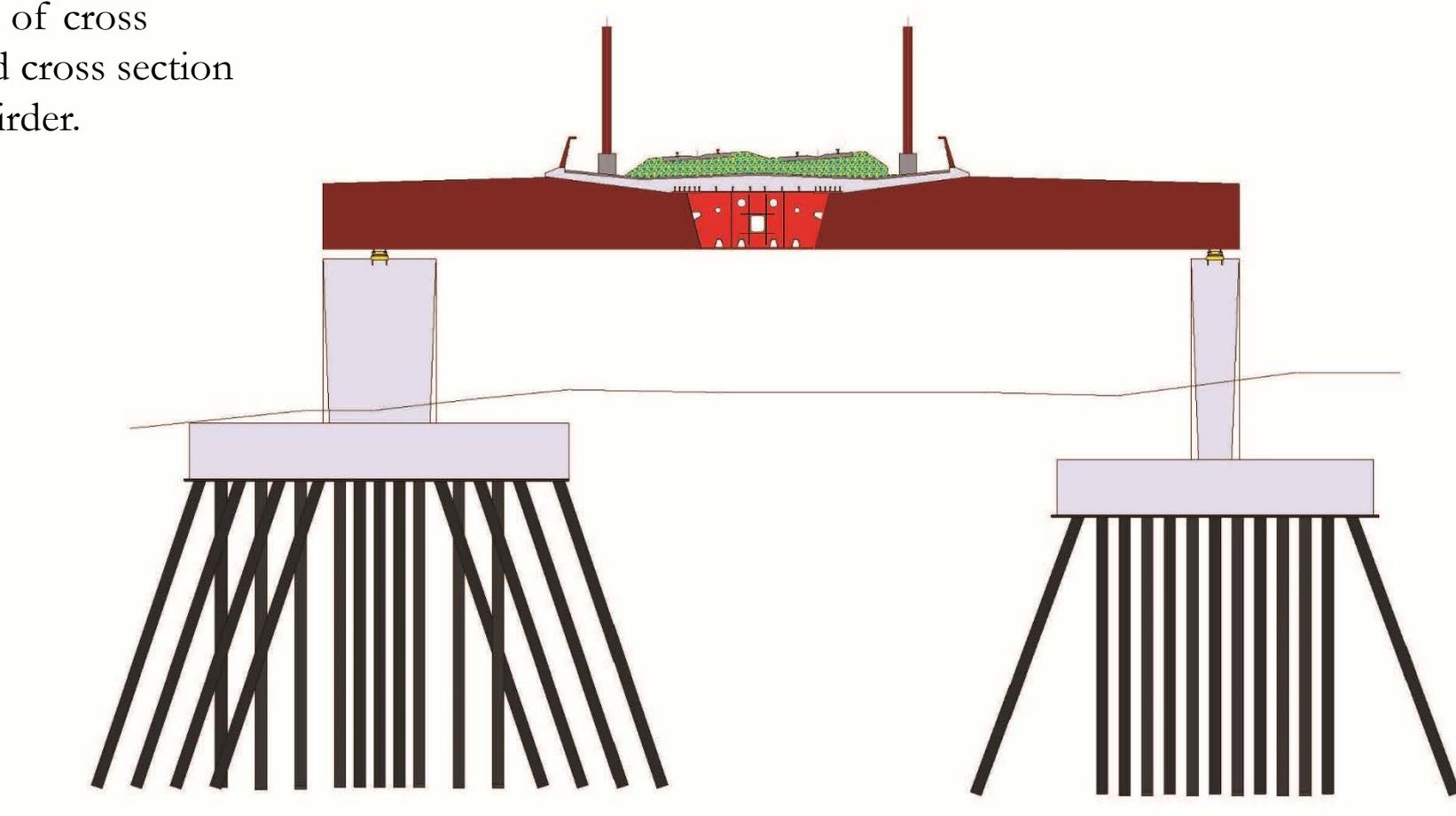
Isometrics of anchor
detail at end abutment



Connection between
main girder and cross
girder.



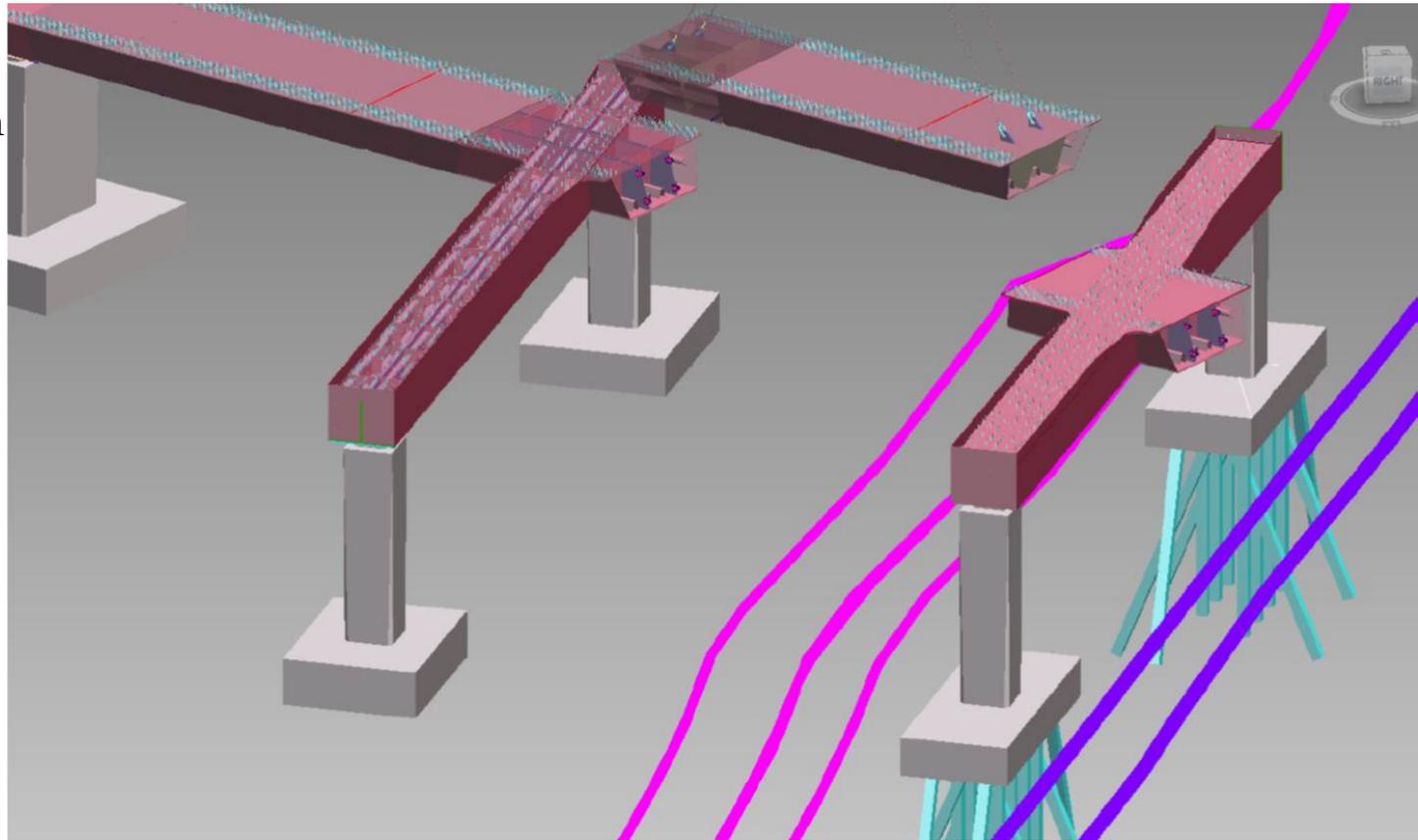
Elevation of cross
girder and cross section
in main girder.



Transportation of bridge section from Korsør to building site.



Lifting and placement of main girder section between cross girders.



Assembly of the 200 ton girder section between cross girders.



Provisional bolted joint between main girder and cross girder.



Cross girder with main girder stub.



The motor road in service during welding assembly of the bridge sections behind a tent.



2015/08/06

Movable formwork wagon mounted for casting of concrete deck.



Close-up of the
formwork wagon.



The bridge deck during
the casting.



The bridge deck has now been casted and is ready for the rails, ballast electric lines etc.



Visualization of the finished railway bridge – built with only two weekends of disturbance of the traffic.

