ÖBB INFRA

# Brücke Kramsach

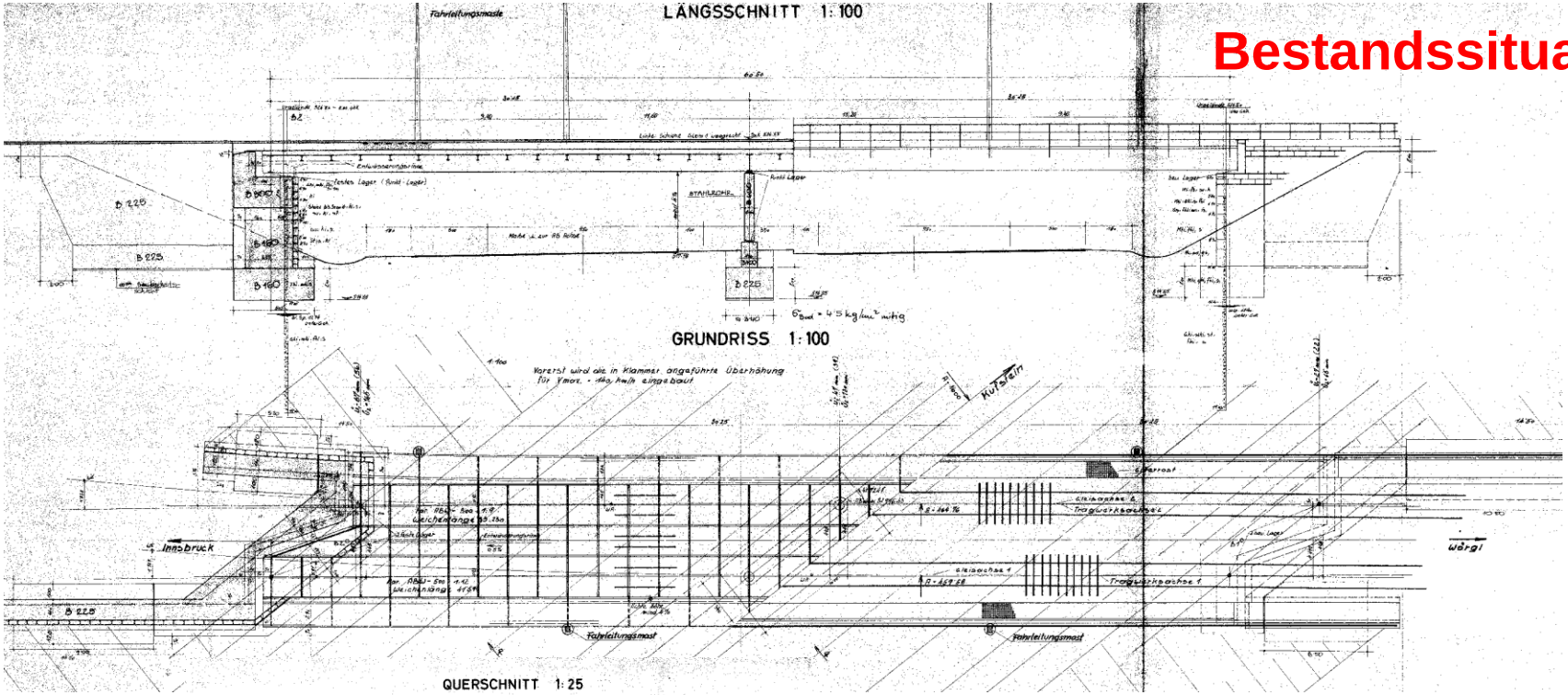


# Brücke Kramsach - 2014

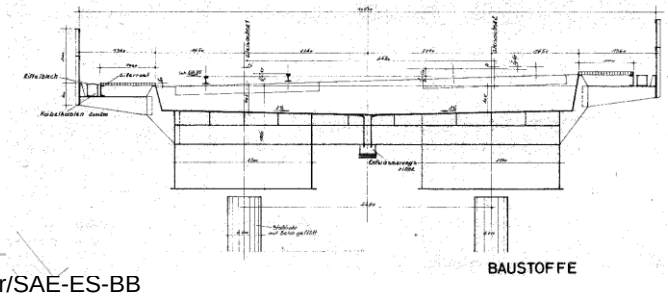


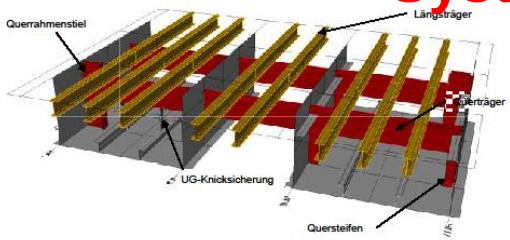
# Brücke Kramsach - 2014

## Bestandssituation

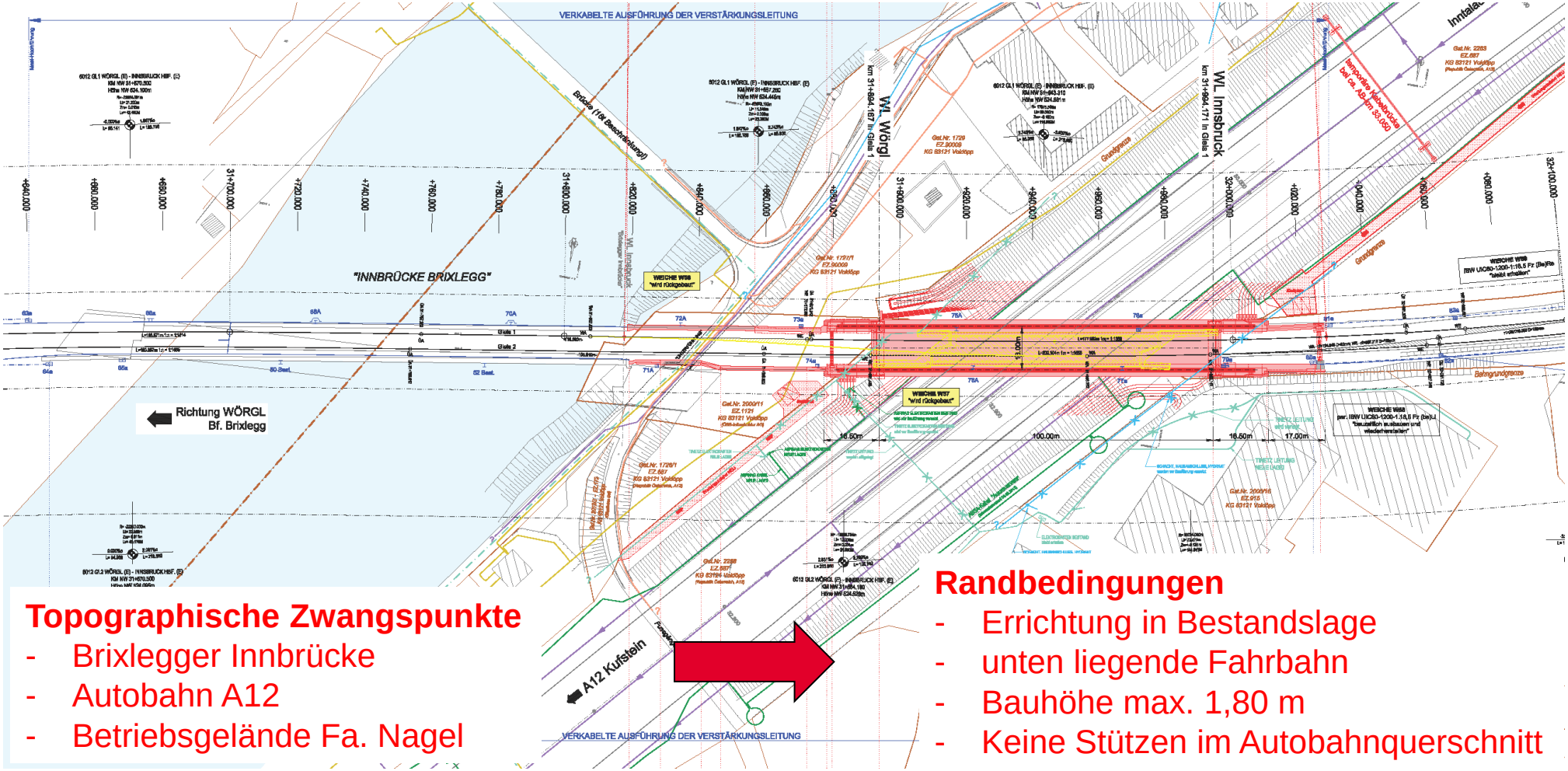



## System - Schema



# Brücke Kramsach - 2014



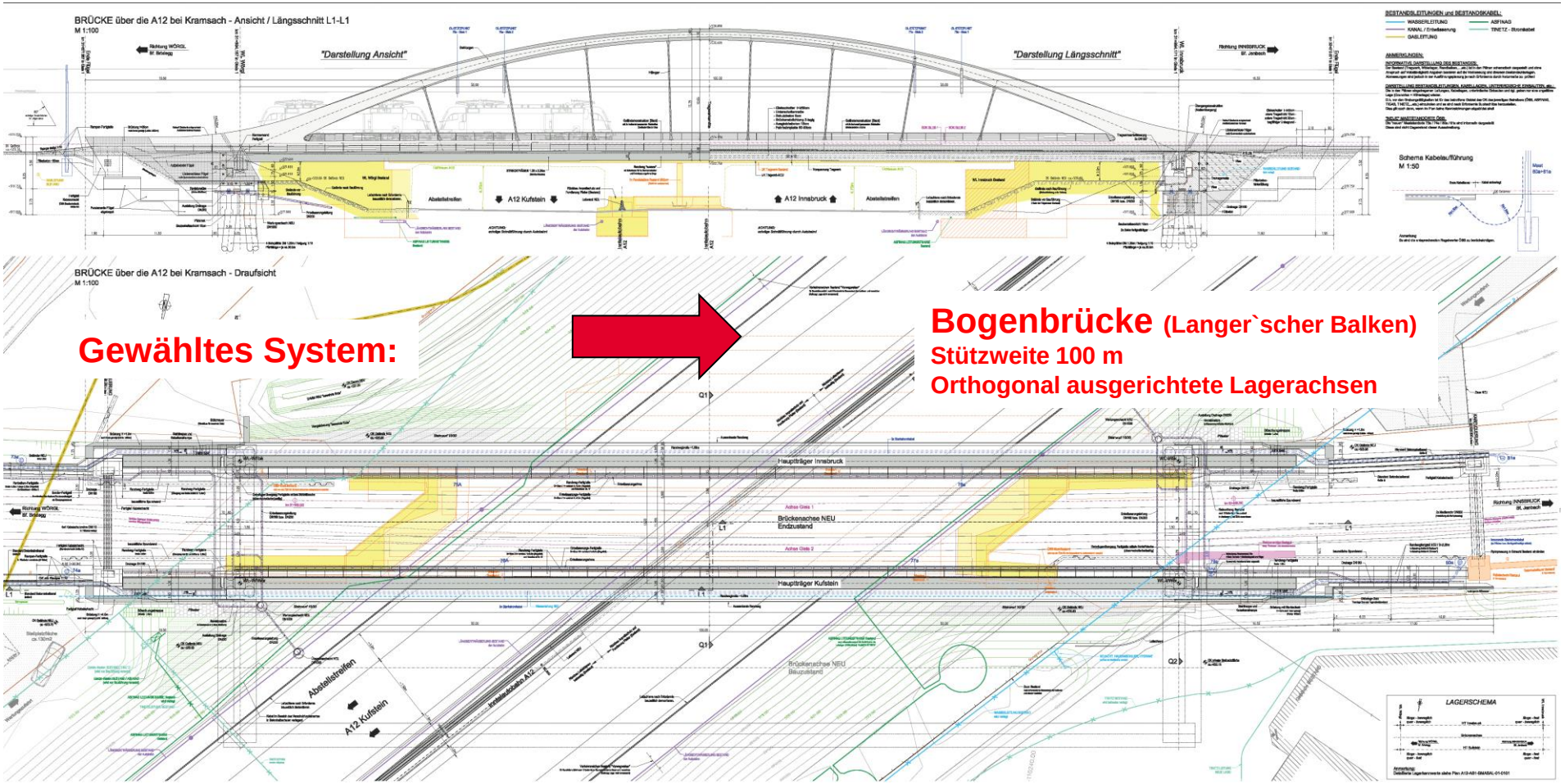

**Topographische Zwangspunkte**

- Brixlegger Innbrücke
- Autobahn A12
- Betriebsgelände Fa. Nagel

**Randbedingungen**

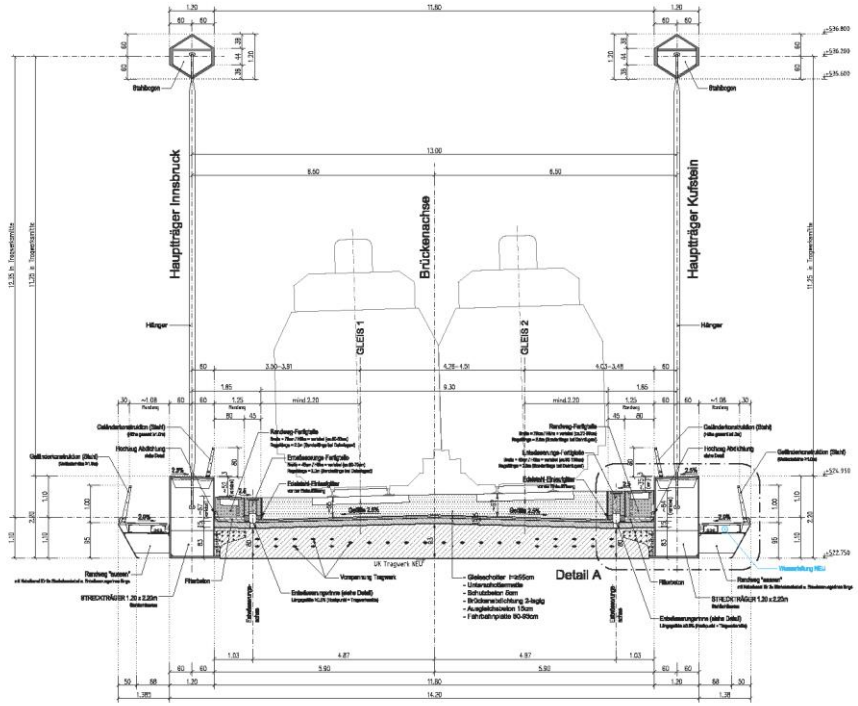
- Errichtung in Bestandslage
- unten liegende Fahrbahn
- Bauhöhe max. 1,80 m
- Keine Stützen im Autobahnquerschnitt

# Brücke Kramsach - 2014

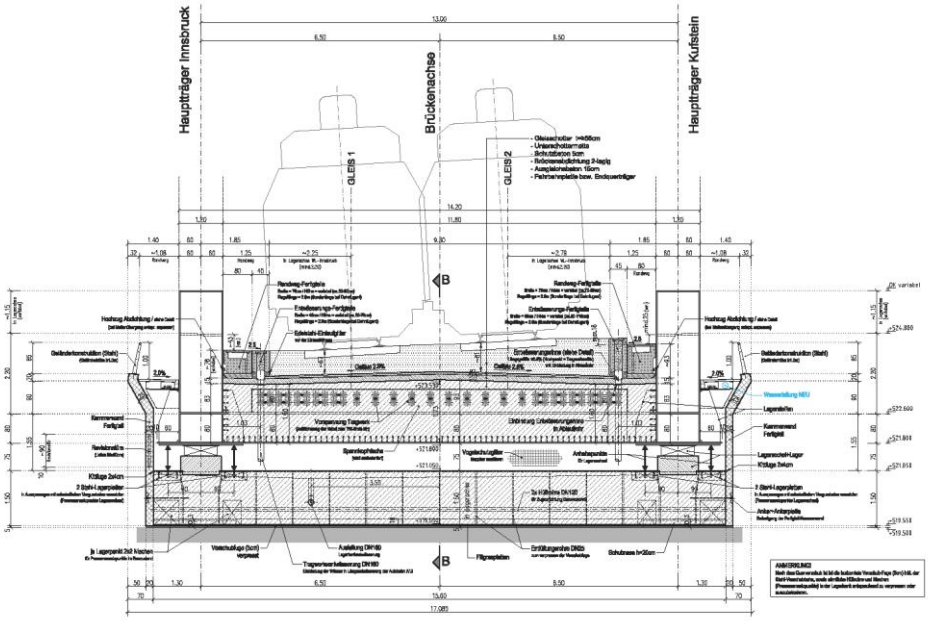


# Brücke Kramsach - 2014

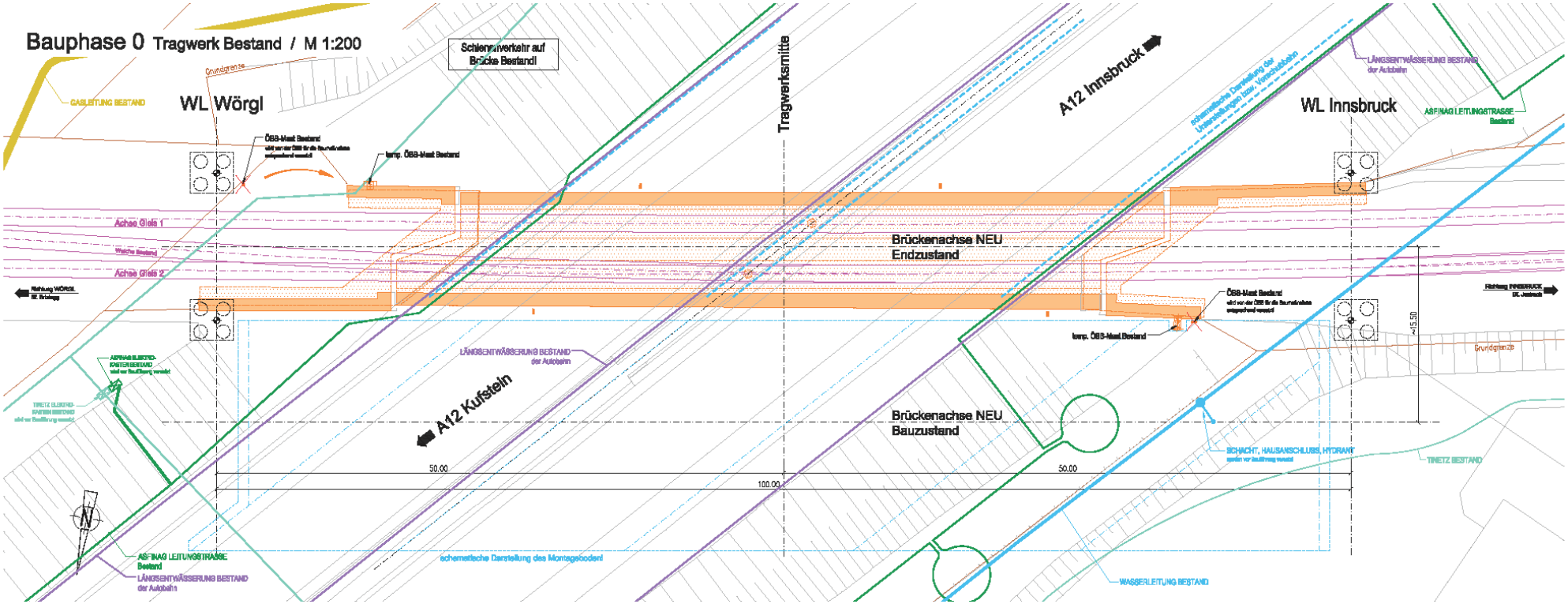
**Querschnitt Q1-Q1** Schnittführung in Tragwerksmitte
M 1:50



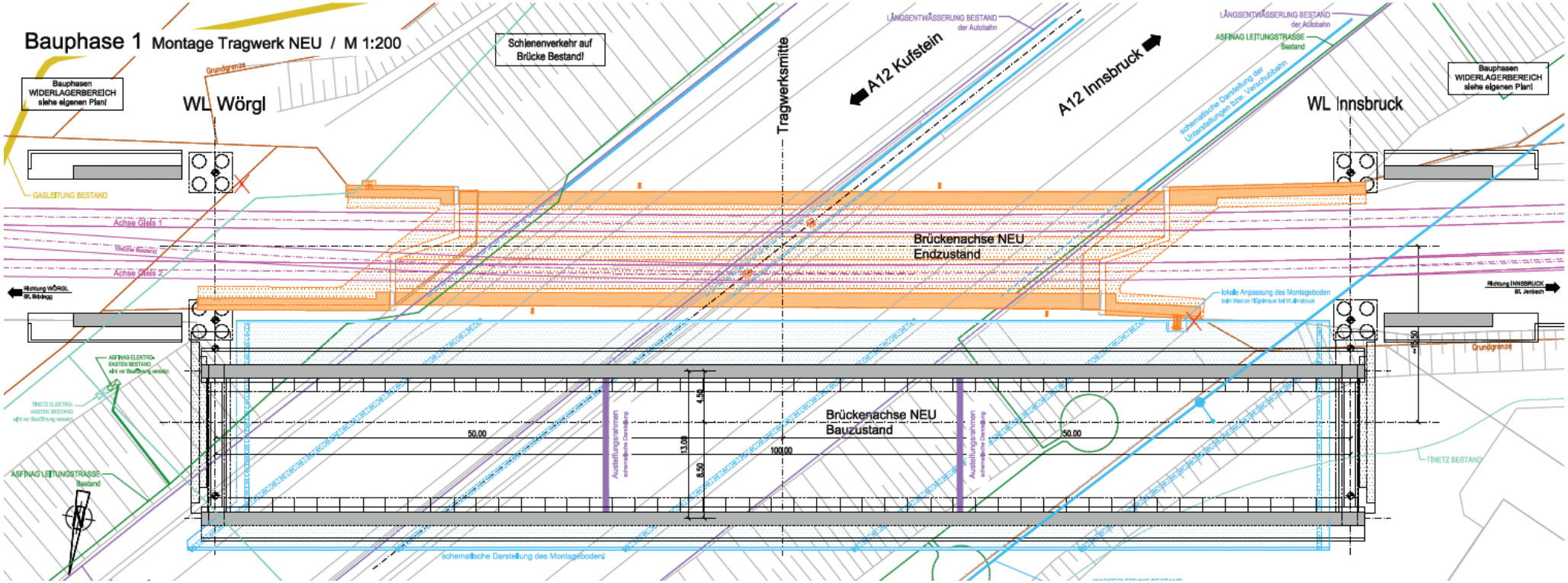

**Querschnitt Q2-Q2** in Lagerachse (WL-Innsbruck)
M 1:50



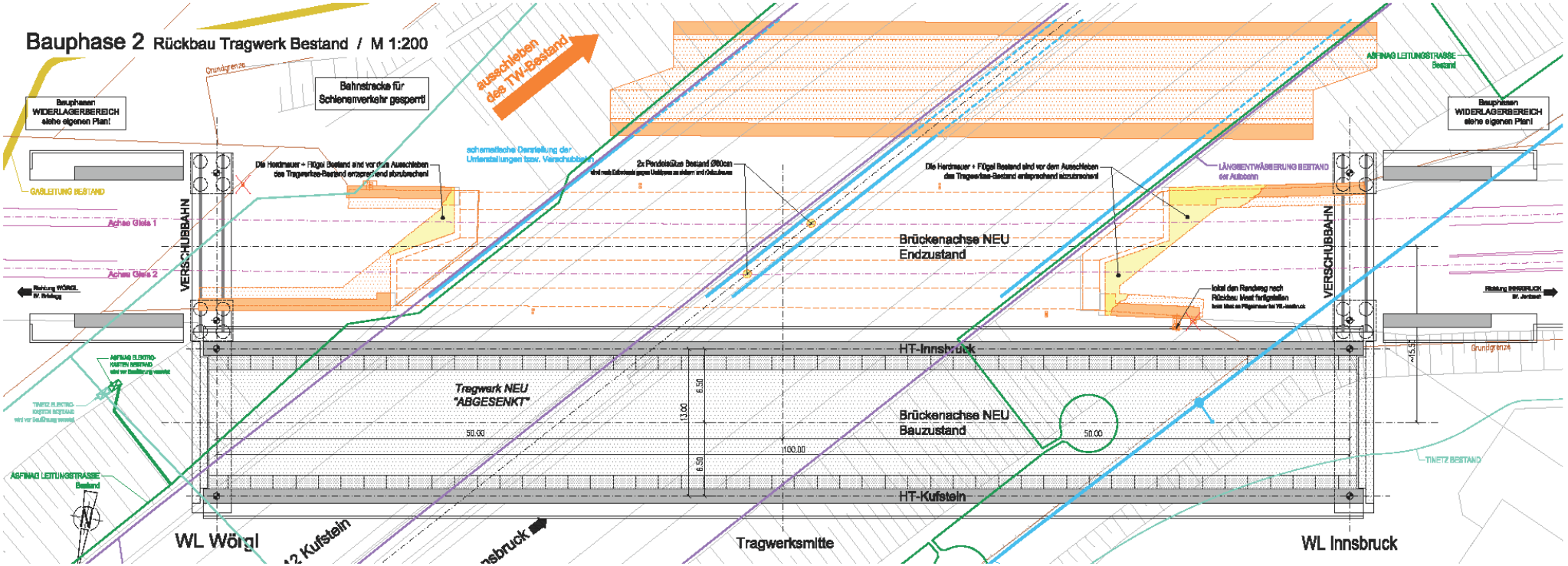
# Brücke Kramsach - 2014



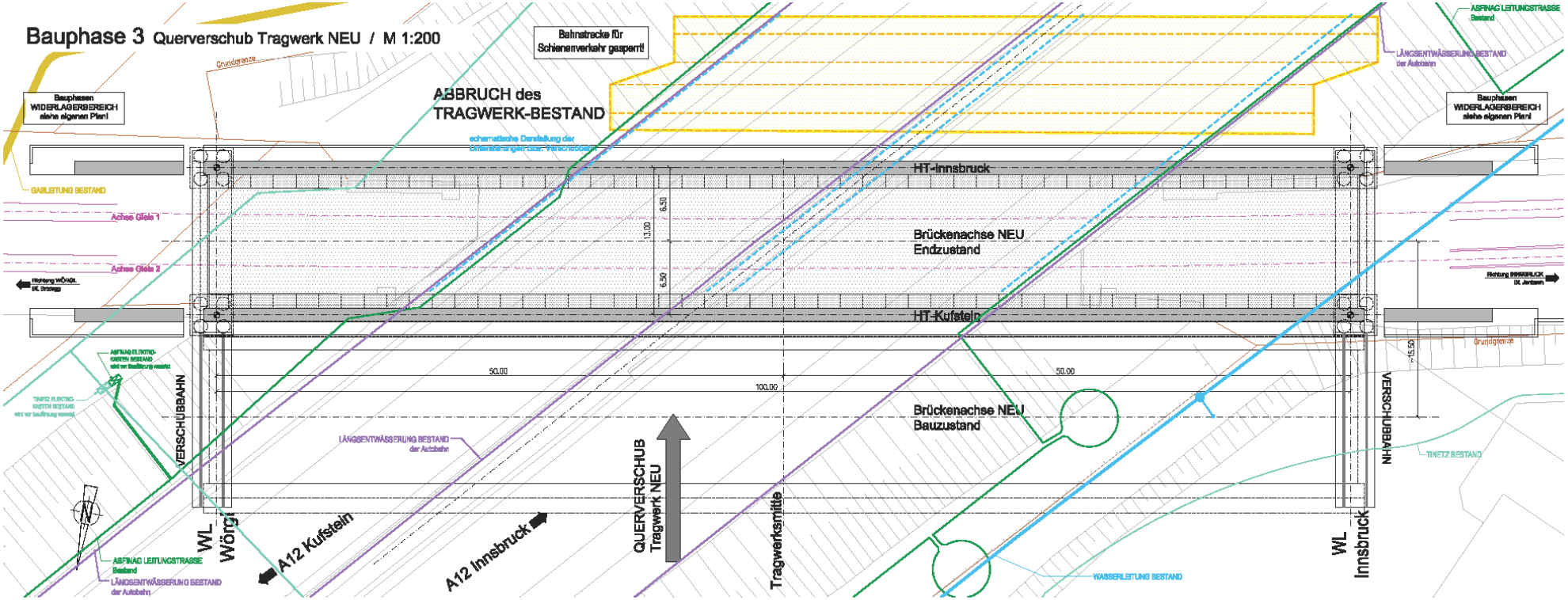
# Brücke Kramsach - 2014



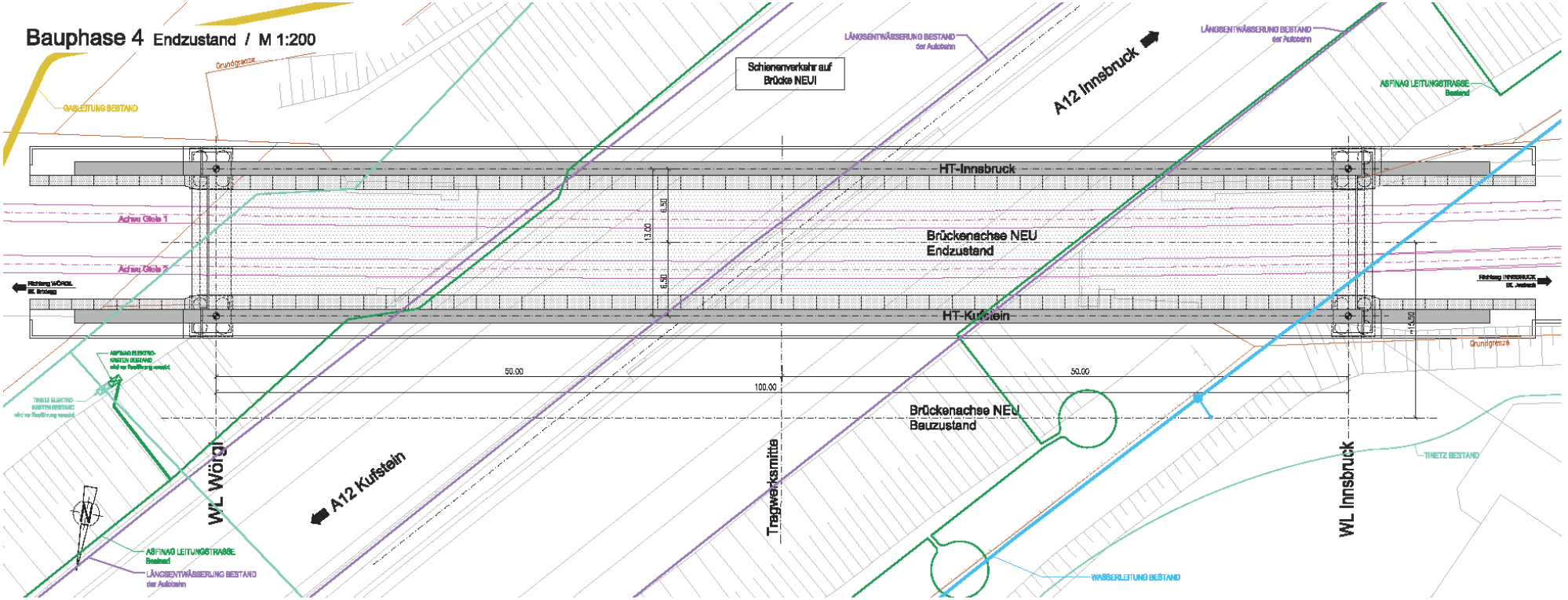
# Brücke Kramsach - 2014



# Brücke Kramsach - 2014



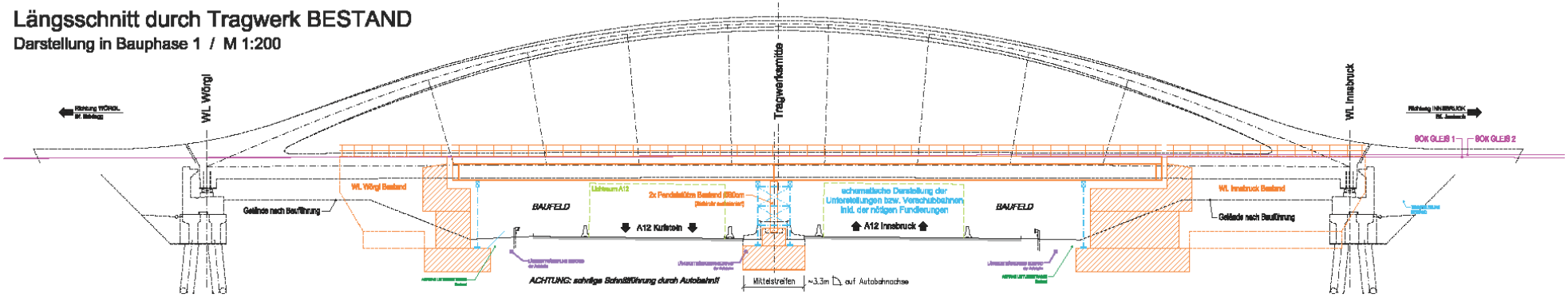
# Brücke Kramsach - 2014



# Brücke Kramsach - 2014

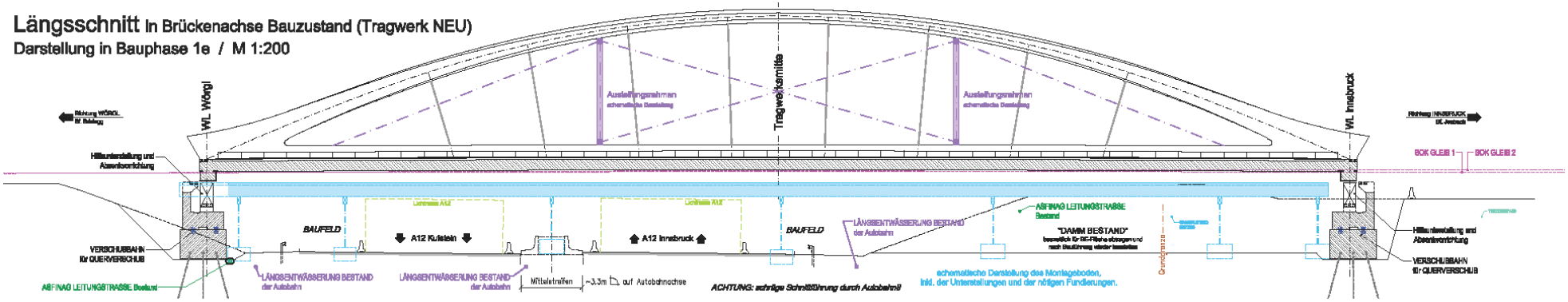
## Längsschnitt durch Tragwerk BESTAND

Darstellung in Bauphase 1 / M 1:200



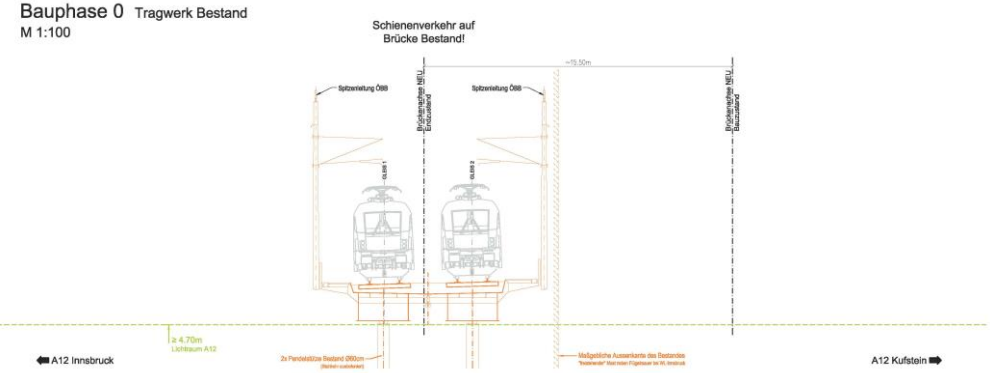

## Längsschnitt in Brückenachse Bauzustand (Tragwerk NEU)

Darstellung in Bauphase 1e / M 1:200



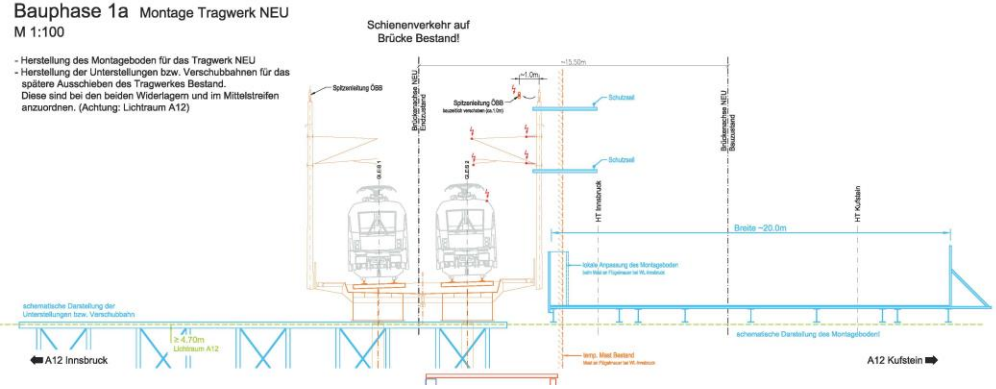
# Brücke Kramsach - 2014

**Bauphase 0** Tragwerk Bestand
M 1:100



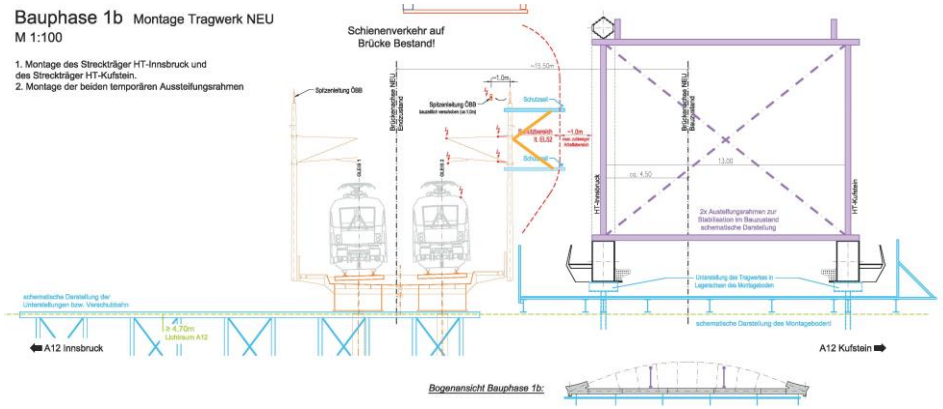

**Bauphase 1a** Montage Tragwerk NEU
M 1:100

- Herstellung des Montageboden für das Tragwerk NEU
- Herstellung der Unterstellungen bzw. Verschubbahnen für das spätere Ausschieben des Tragwerkes Bestand. Diese sind bei den beiden Widerlagern und im Mittelstreifen anzuordnen. (Achtung: Lichtraum A12)




**Bauphase 1b** Montage Tragwerk NEU
M 1:100

1. Montage des Streckträger HT-Innsbruck und des Streckträger HT-Kufstein.
2. Montage der beiden temporären Aussteifungsrahmen

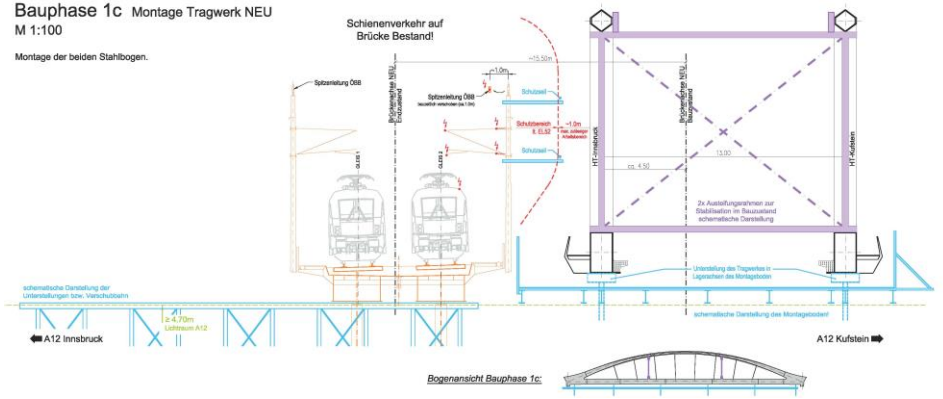



*Bogenansicht Bauphase 1b:*



**Bauphase 1c** Montage Tragwerk NEU
M 1:100

Montage der beiden Stahlbogen.

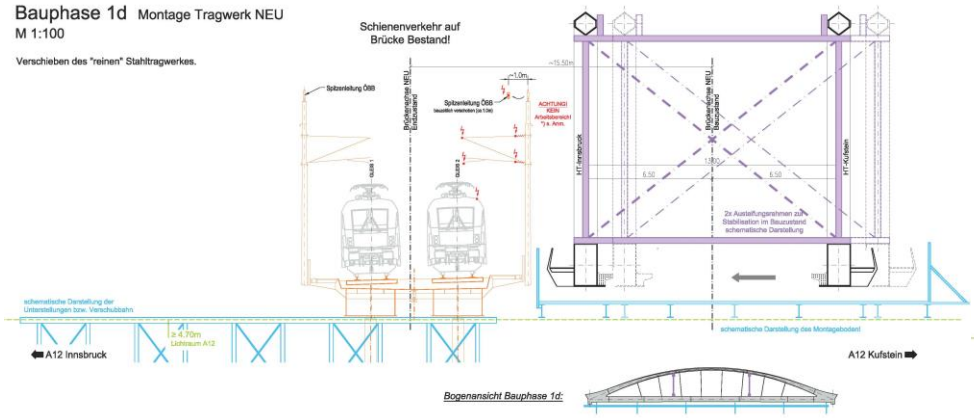



*Bogenansicht Bauphase 1c:*

# Brücke Kramsach - 2014

**Bauphase 1d** Montage Tragwerk NEU
M 1:100

Verschieben des "reinen" Stahltragwerkes.

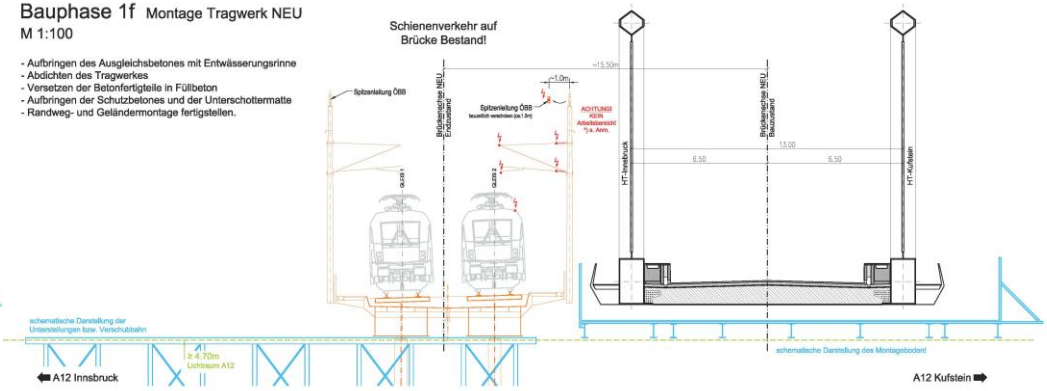



*Bogenansicht Bauphase 1d:*



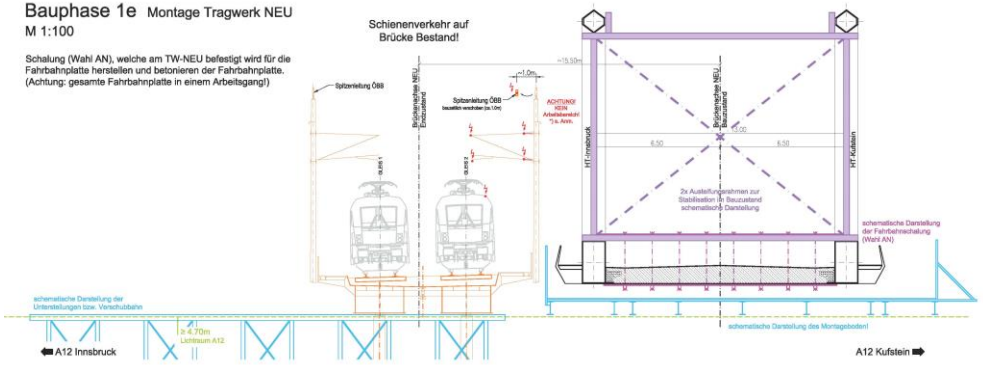
**Bauphase 1f** Montage Tragwerk NEU
M 1:100

- Aufbringen des Ausgleichsbetones mit Entwässerungsrinne
- Abdichten des Tragwerkes
- Versetzen der Betonfertigteile in Füllbeton
- Aufbringen der Schutzbetones und der Unterschottermatte
- Randweg- und Geländermontage fertigstellen.



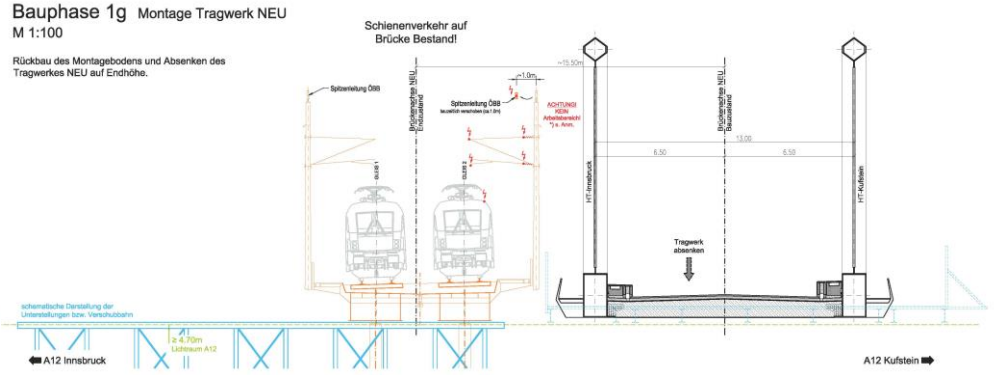

**Bauphase 1e** Montage Tragwerk NEU
M 1:100

Schalung (Wahl AN), welche am TW-NEU befestigt wird für die Fahrbahnplatte herstellen und betonieren der Fahrbahnplatte. (Achtung: gesamte Fahrbahnplatte in einem Arbeitsgang!)




**Bauphase 1g** Montage Tragwerk NEU
M 1:100

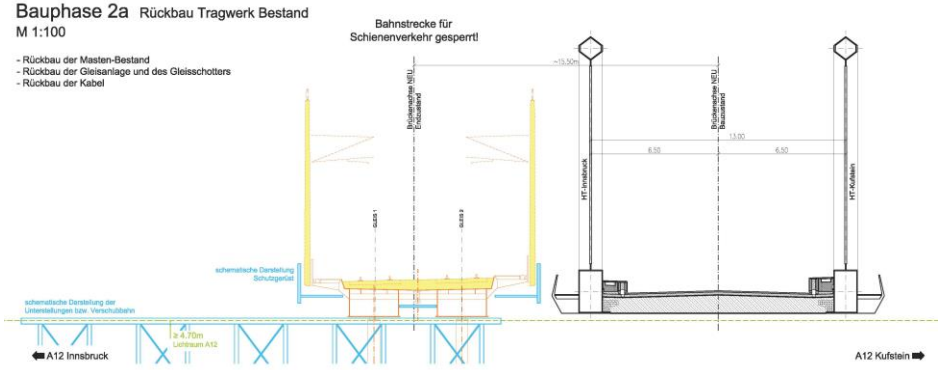
Rückbau des Montagebodens und Absenken des Tragwerkes NEU auf Endhöhe.



# Brücke Kramsach - 2014

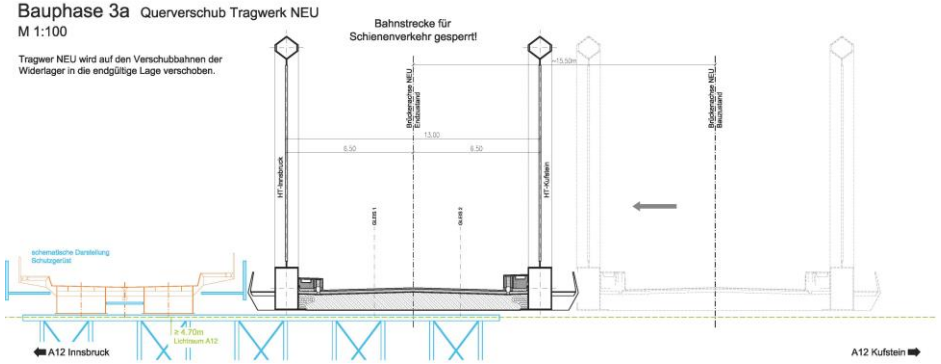
**Bauphase 2a** Rückbau Tragwerk Bestand
M 1:100

- Rückbau der Masten-Bestand
- Rückbau der Gleisanlage und des Gleisschotters
- Rückbau der Kabel



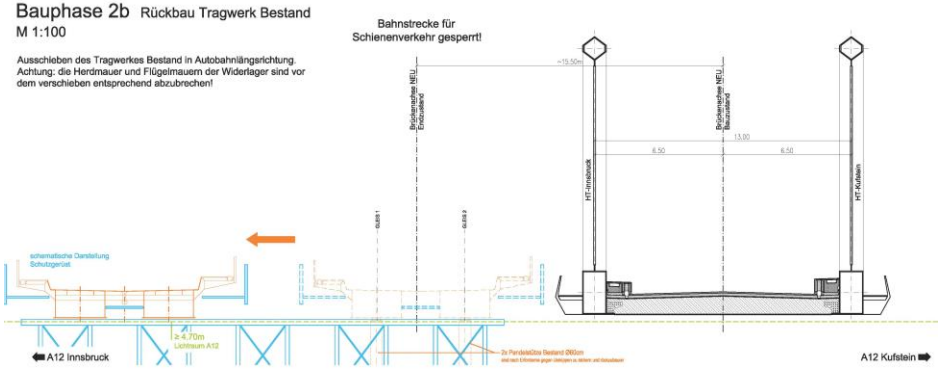

**Bauphase 3a** Querverschub Tragwerk NEU
M 1:100

Tragwer NEU wird auf den Verschubbahnen der Widerlager in die endgültige Lage verschoben.



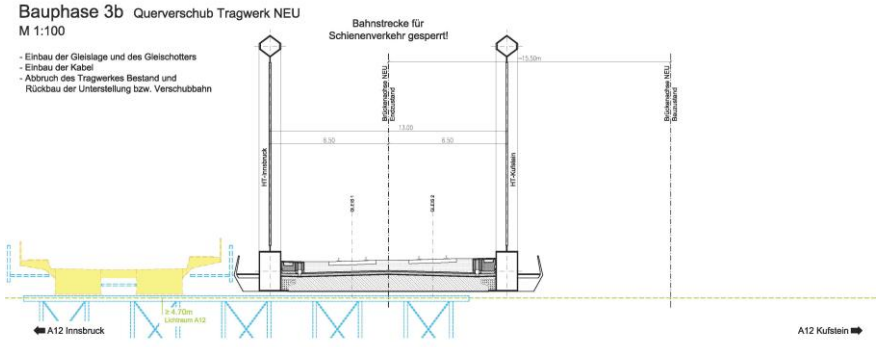

**Bauphase 2b** Rückbau Tragwerk Bestand
M 1:100

Ausschieben des Tragwerkes Bestand in Autobahnlängsrichtung.
Achtung: die Herdmauer und Flügelmauern der Widerlager sind vor dem verschieben entsprechend abzubrechen!

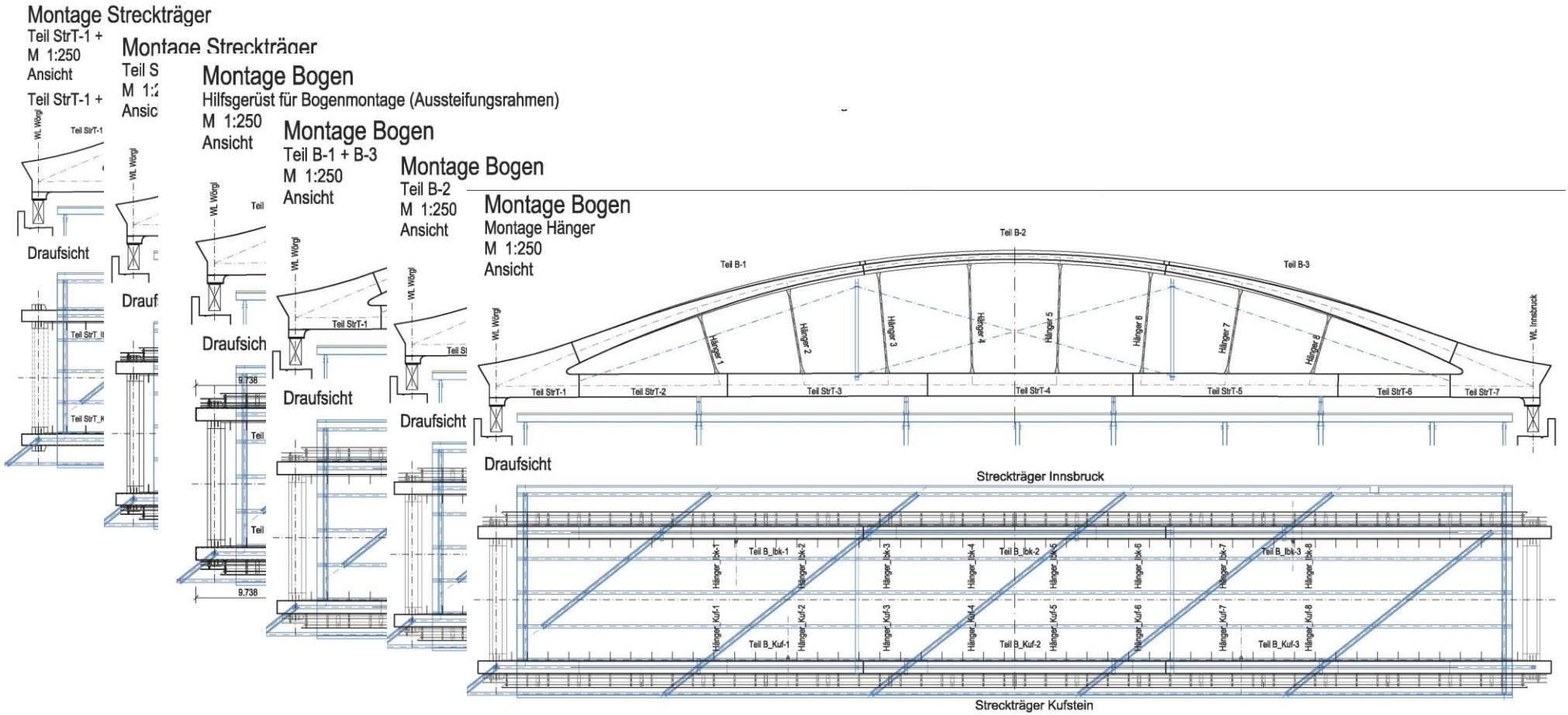



**Bauphase 3b** Querverschub Tragwerk NEU
M 1:100

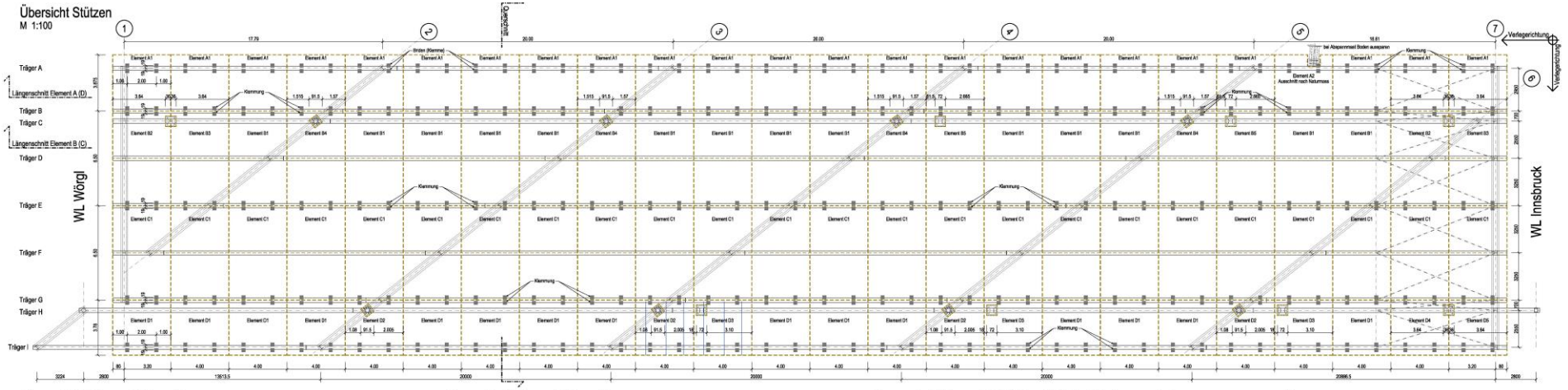
- Einbau der Gleislage und des Gleischotters
- Einbau der Kabel
- Abbruch des Tragwerkes Bestand und Rückbau der Unterstellung bzw. Verschubbahn

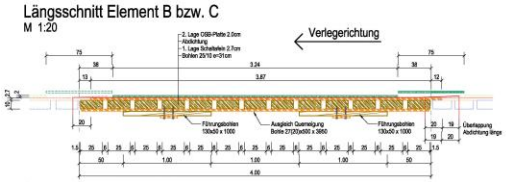


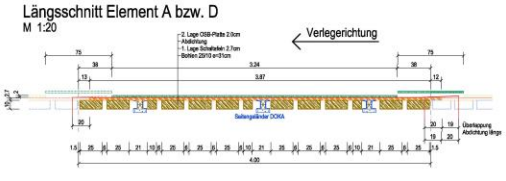
# Brücke Kramsach - 2014

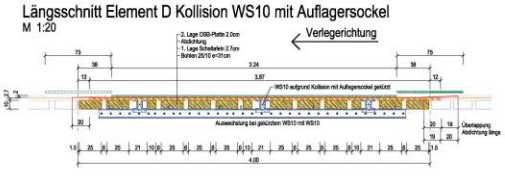


# Brücke Kramsach - 2014



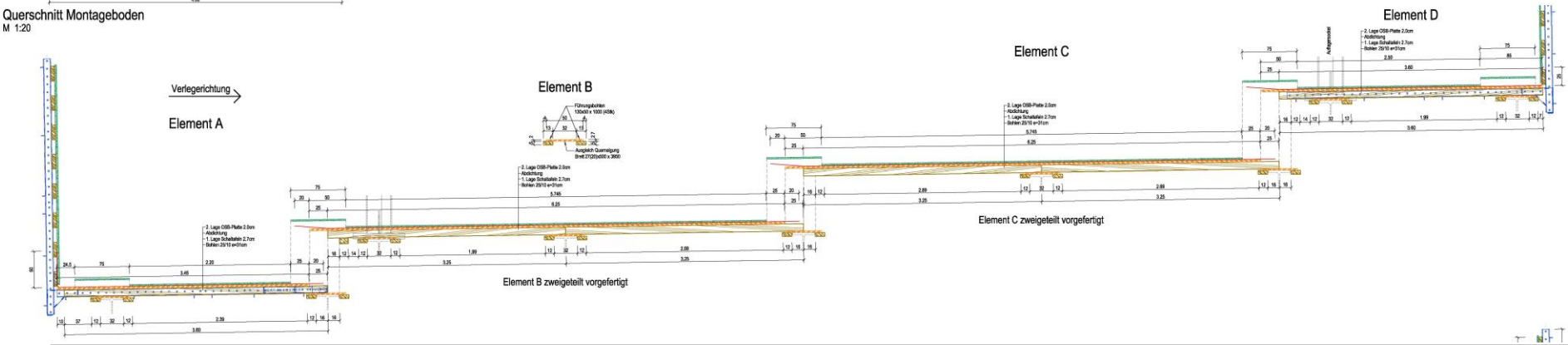



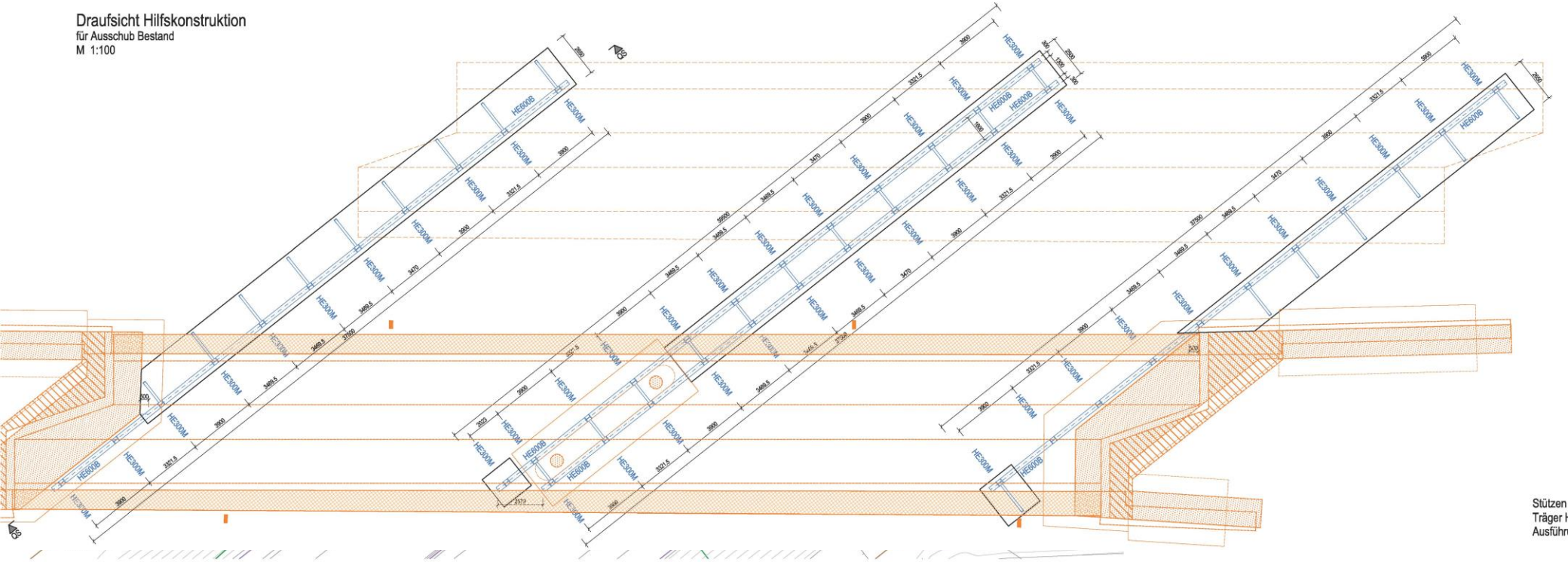







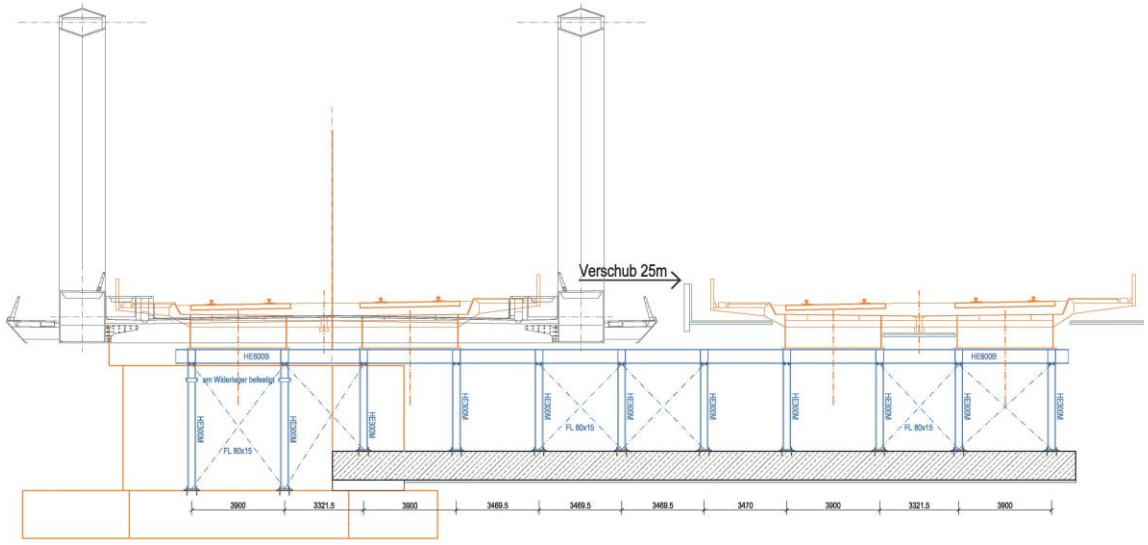


# Brücke Kramsach - 2014

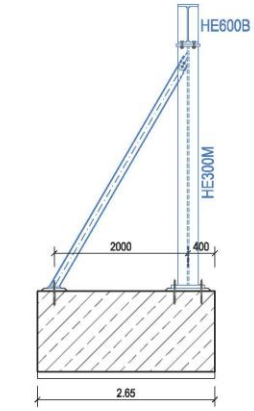


# Brücke Kramsach - 2014

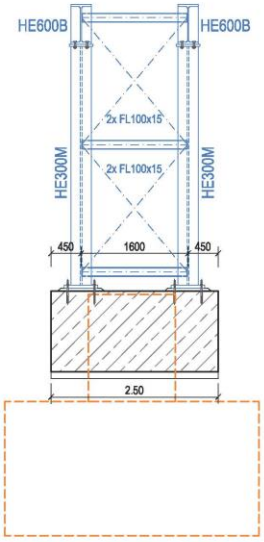
Schnitt QS
M 1:100



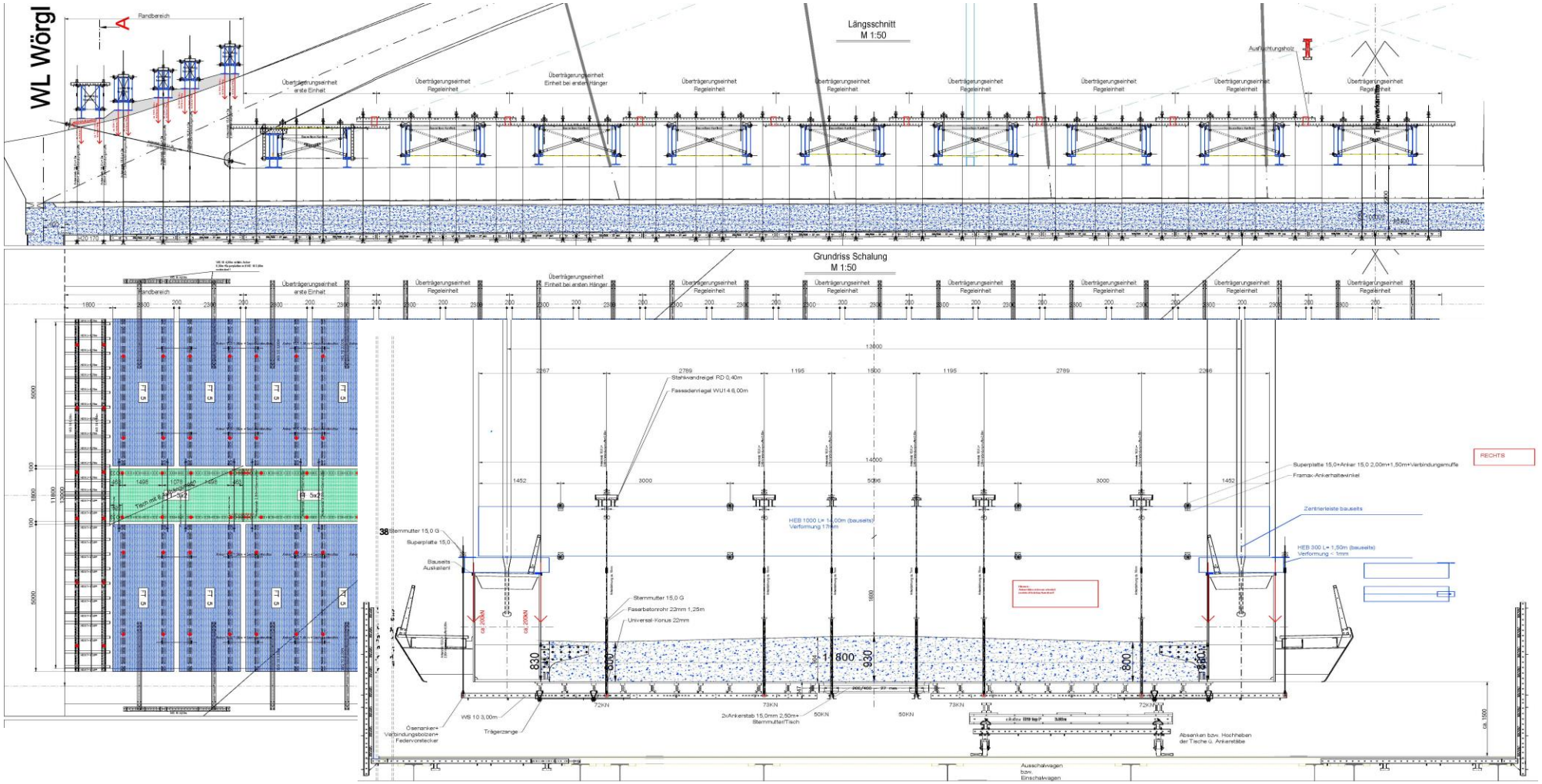

Randstütze mit Abstrebung
M 1:50



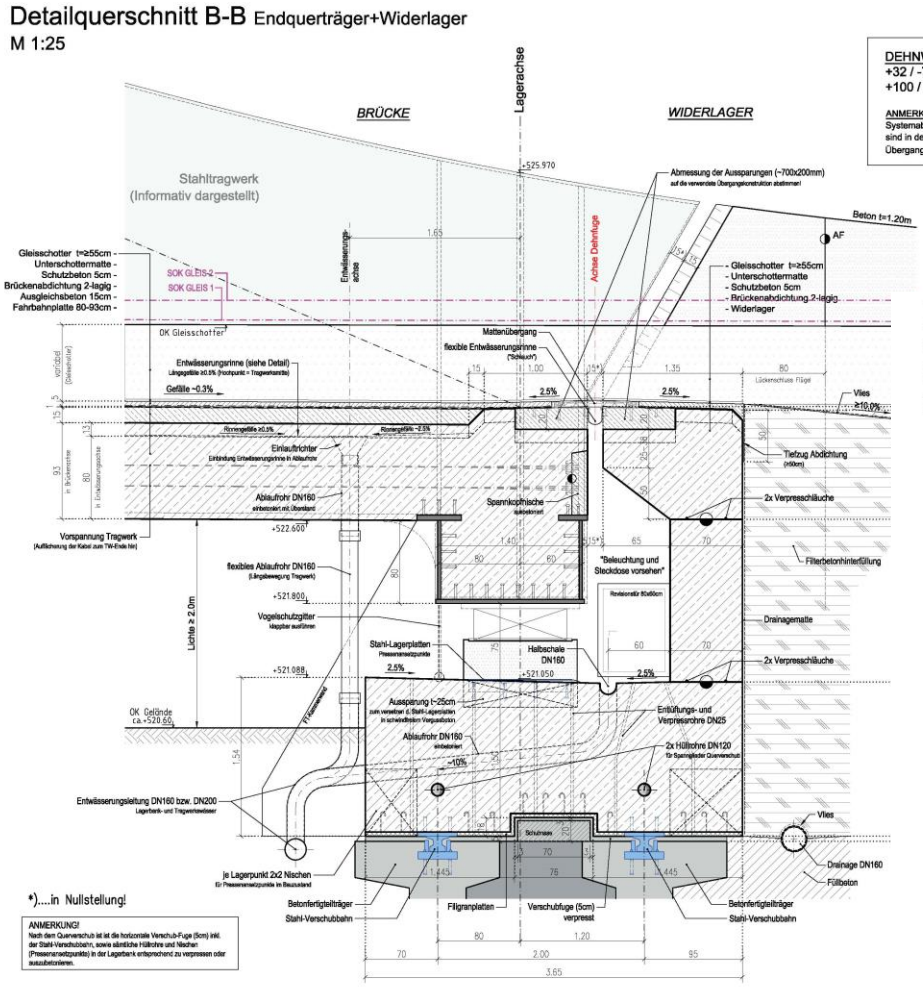

Stütze Mittellager
M 1:50

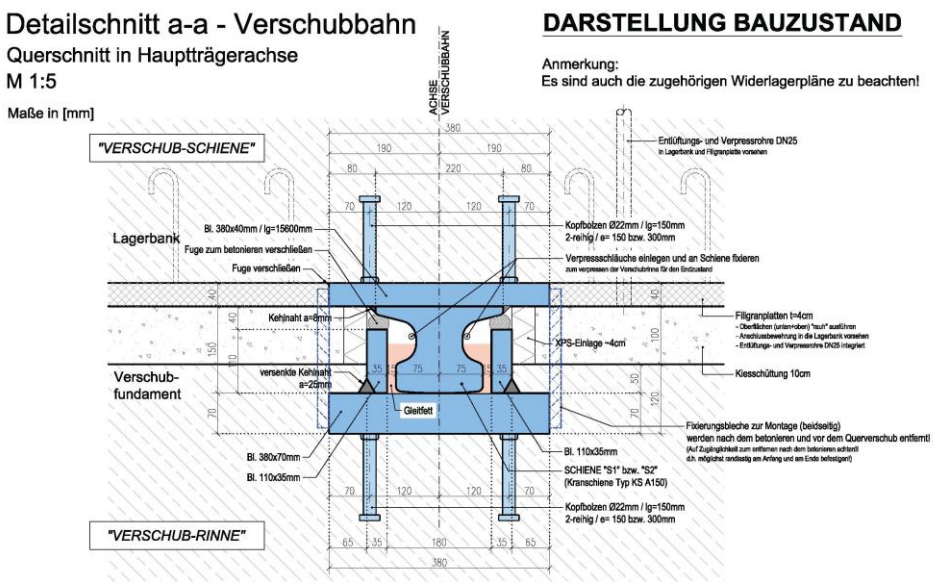


# Brücke Kramsach - 2014



# Brücke Kramsach - 2014

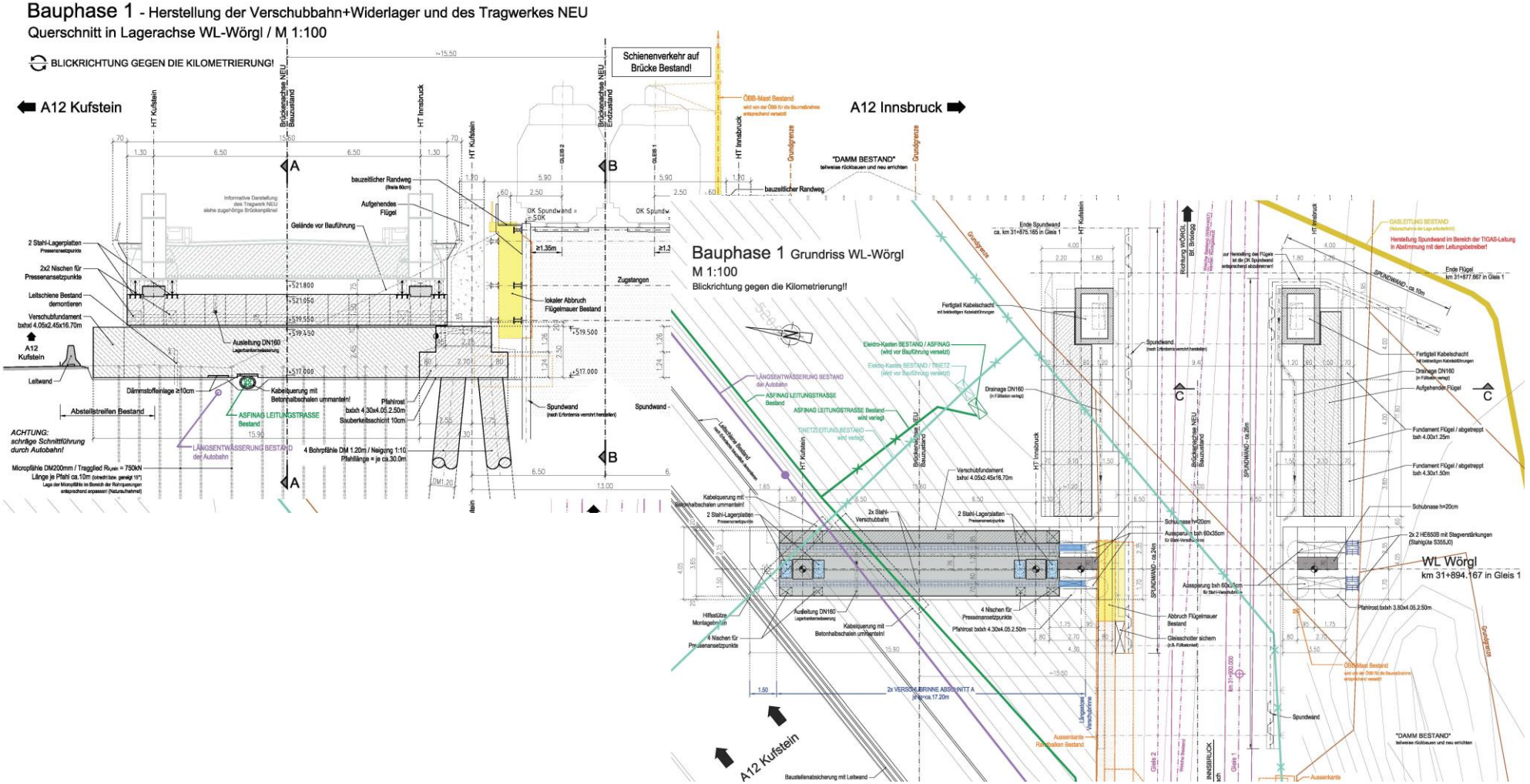


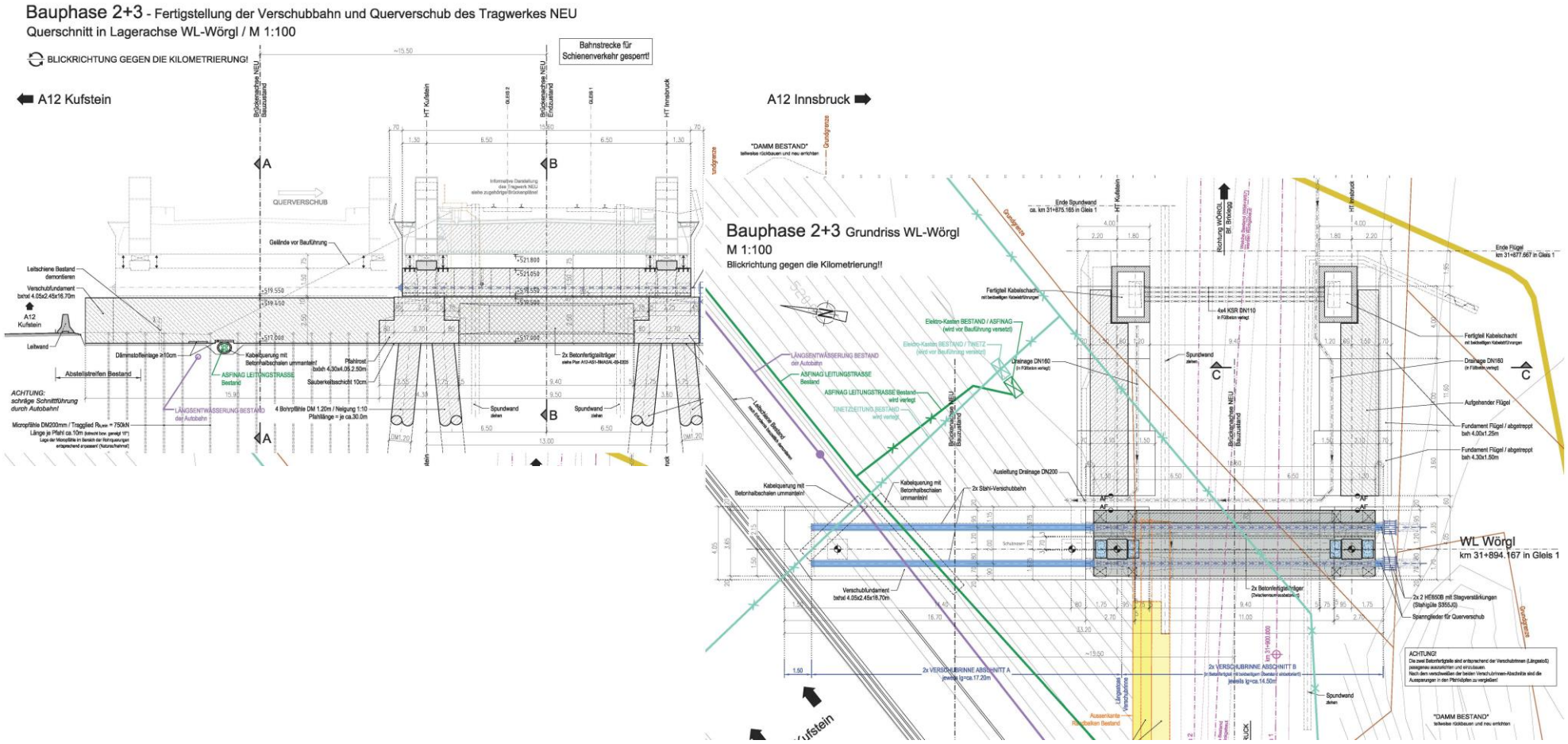

## DARSTELLUNG BAUZUSTAND

Anmerkung:
Es sind auch die zugehörigen Widerlagerpläne zu beachten!

# Brücke Kramsach - 2014



# Brücke Kramsach - 2014



# Brücke Kramsach - 2014

## BETONFERTIGTEILTRÄGER

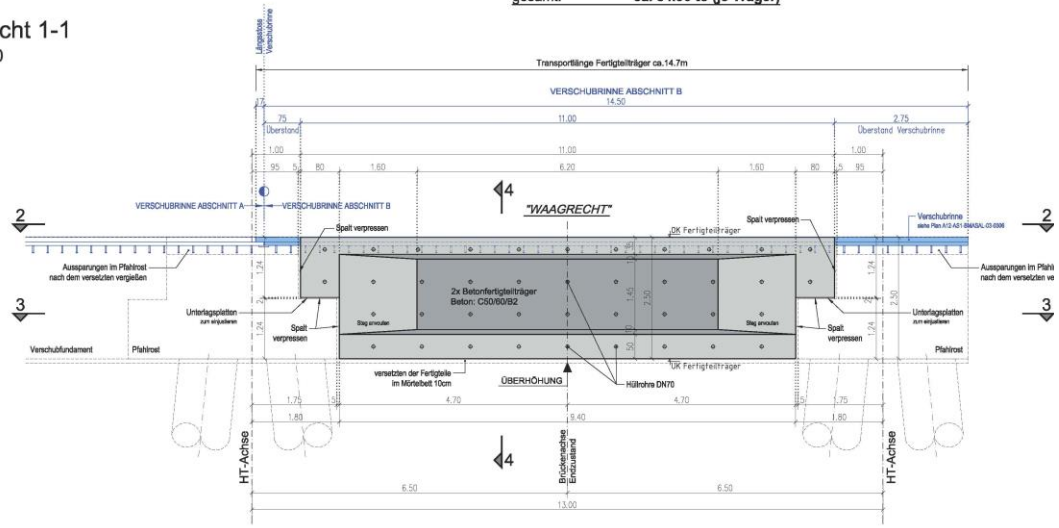
Darstellung bei WL-Wörgl / WL-Innsbruck analog

Fertigteilgewicht:

| | |
|---|---|
| Beton | ca. 50.60 to |
| Stahl (Verschubrinne) | ca. 4.30 to |
| gesamt: | **ca. 54.90 to (je Träger)** |

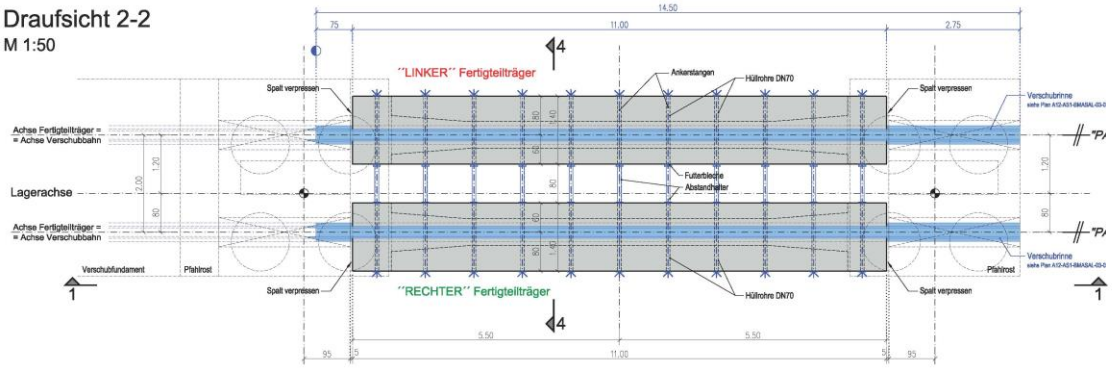
### Ansicht 1-1

M 1:50



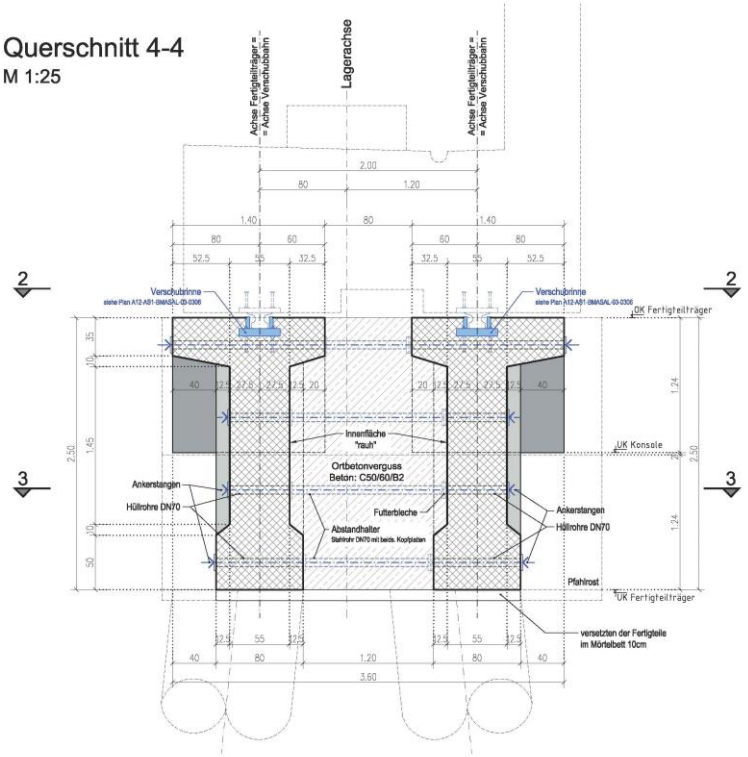

### Draufsicht 2-2

M 1:50



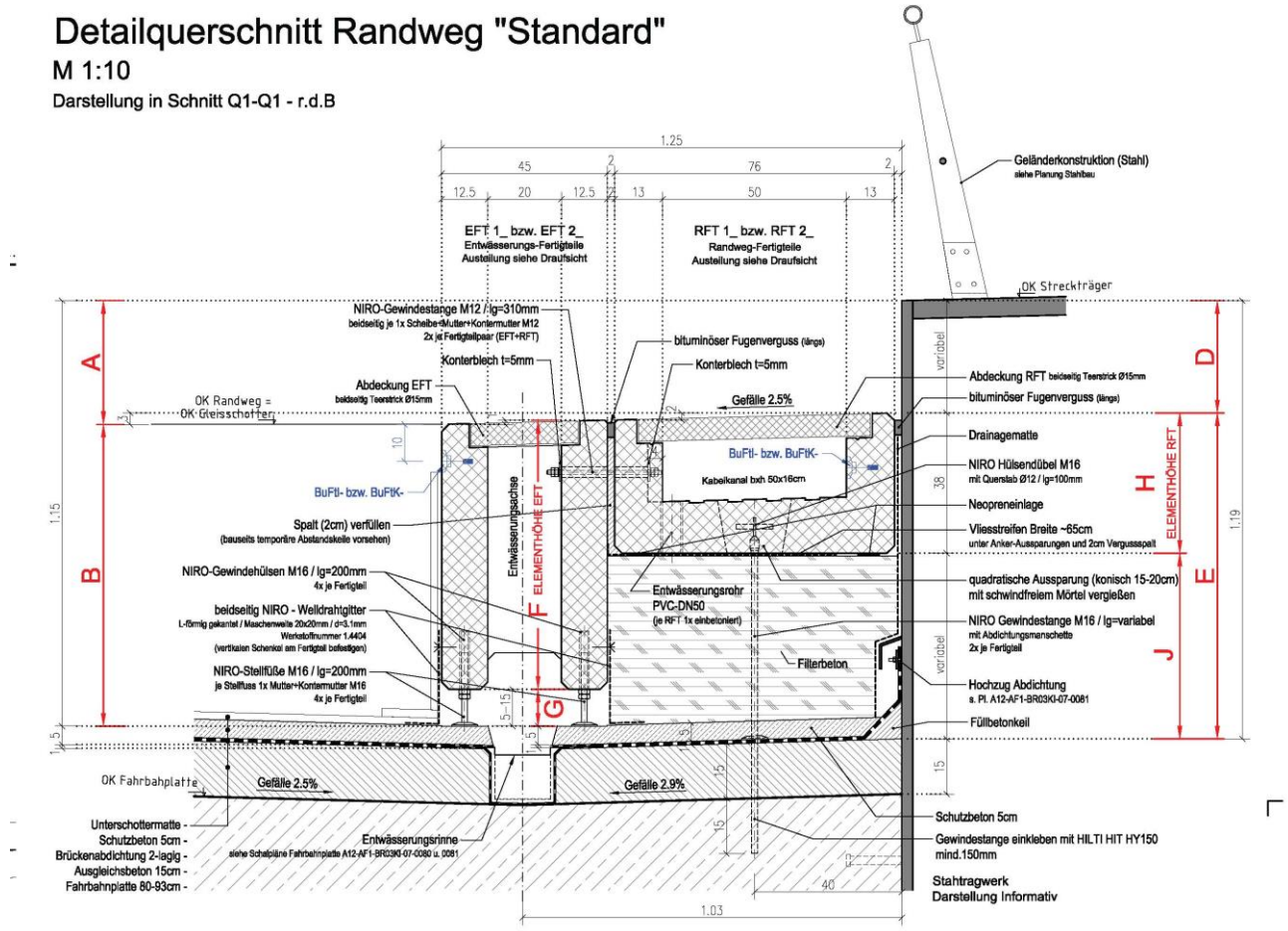

### Querschnitt 4-4

M 1:25

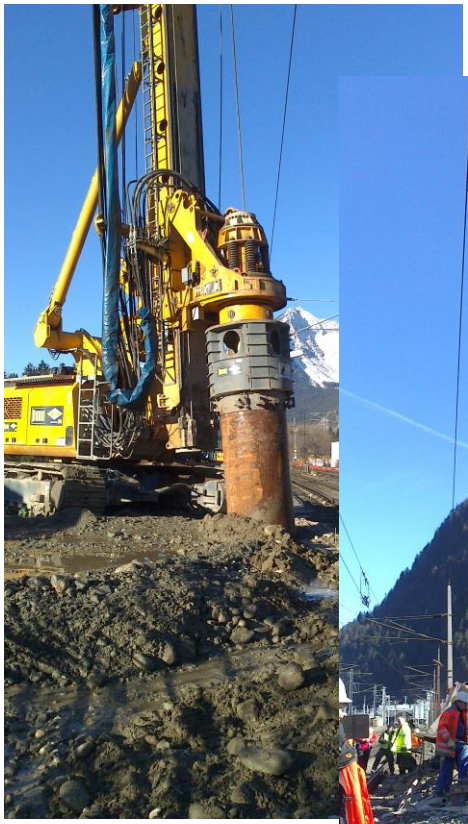



### Grundriss 3-3

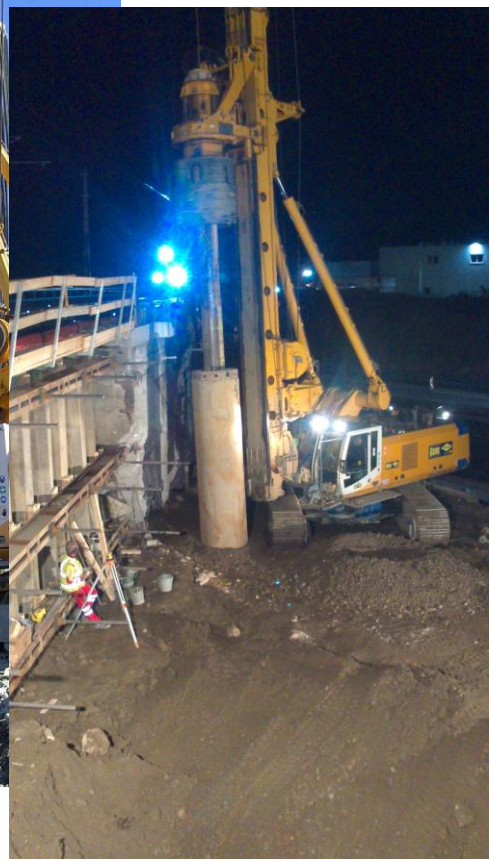
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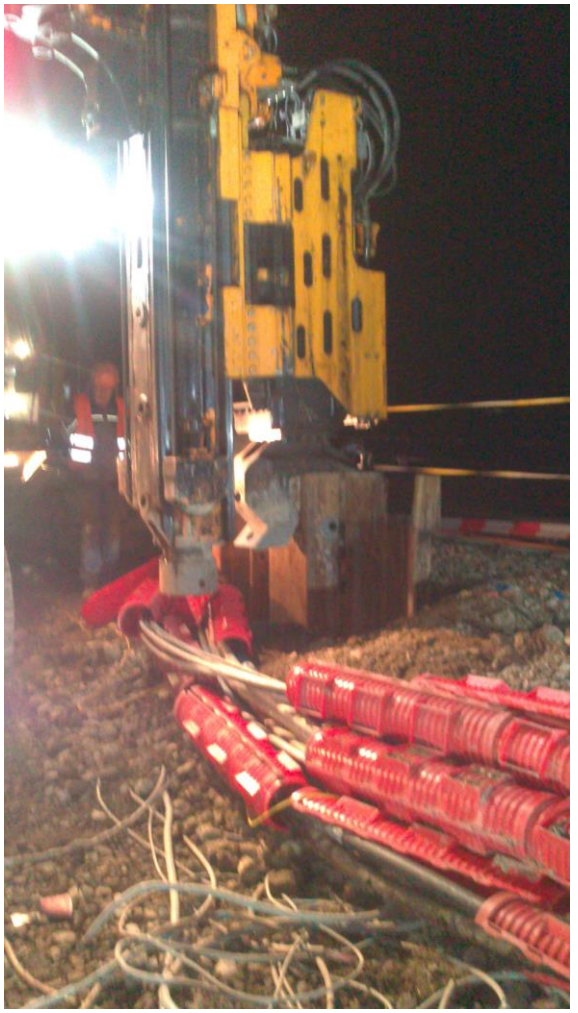


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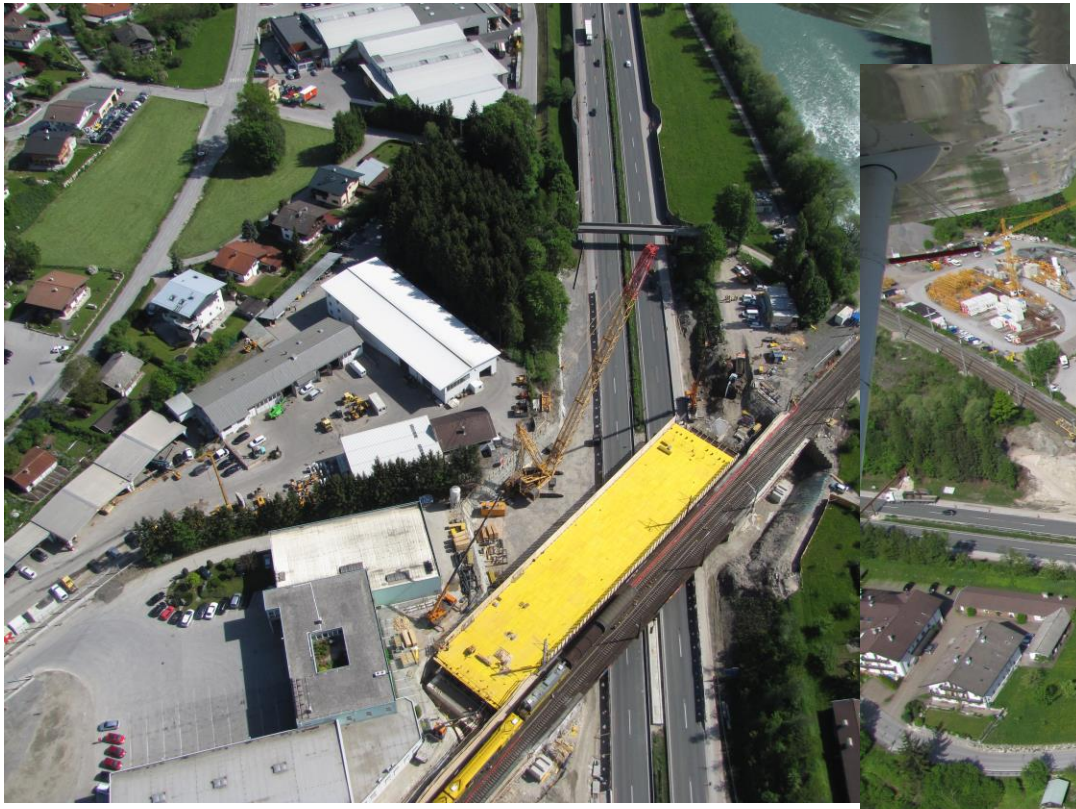


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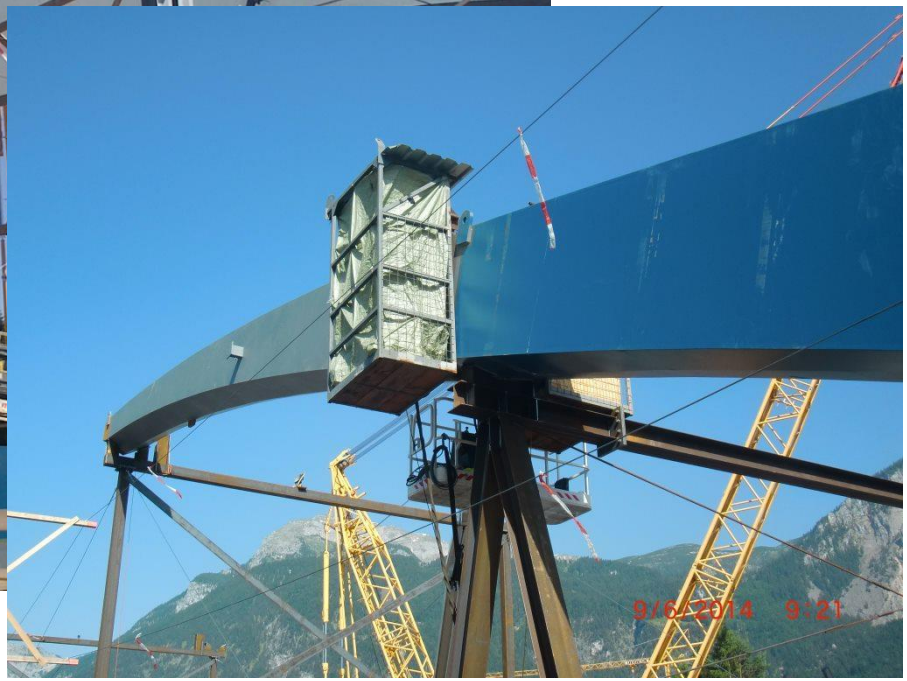



# Brücke Kramsach - 2014



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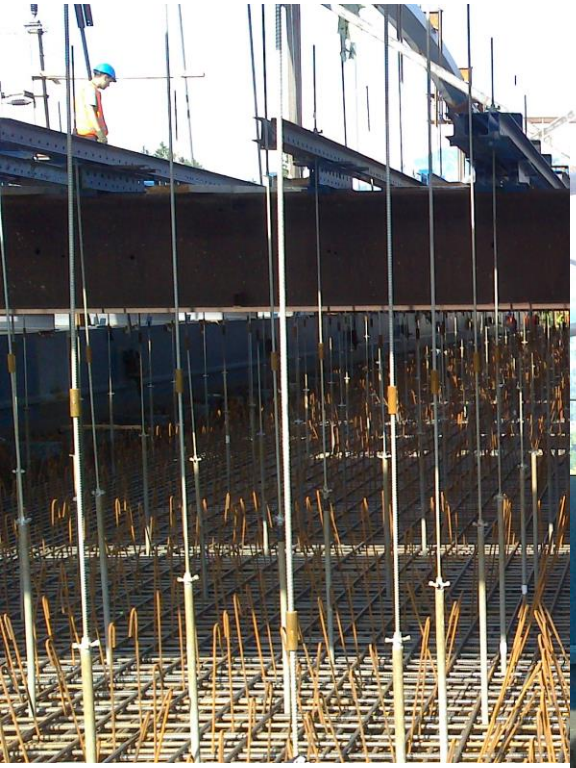
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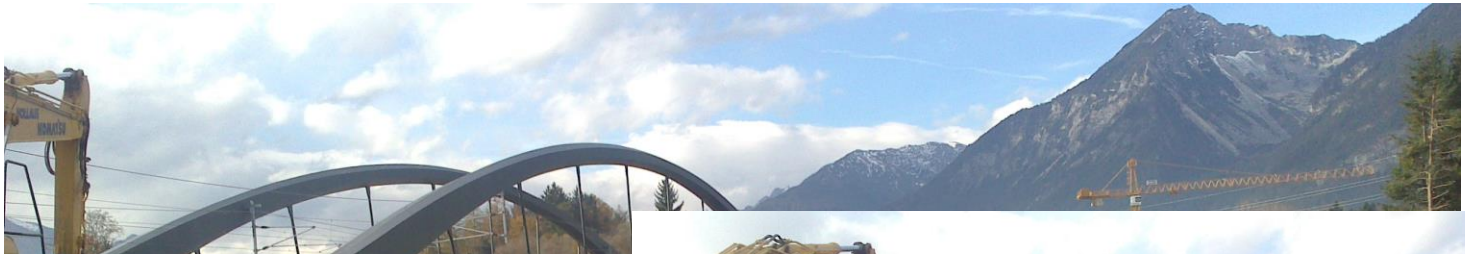
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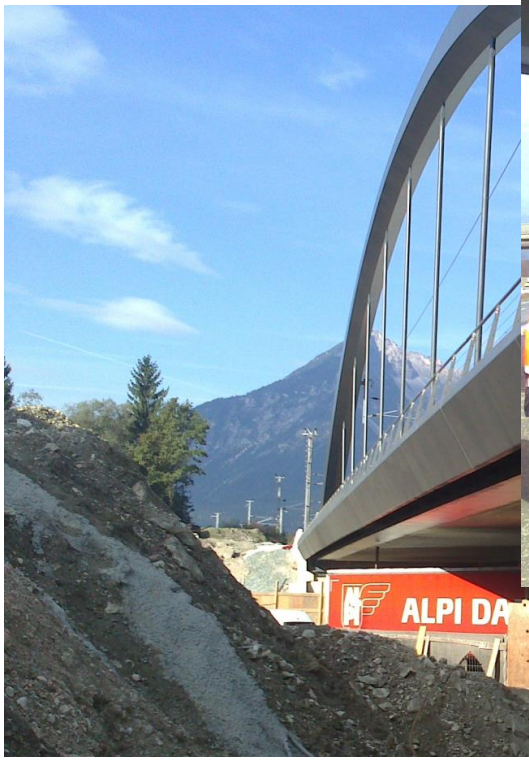


# Brücke Kramsach - 2014





# Brücke Kramsach - 2014









Danke für Ihre Aufmerksamkeit