

CERES

Mars 2024

” Ouvrages de franchissement à Verviers et Eupen,
à la suite des inondations de 2021 ”

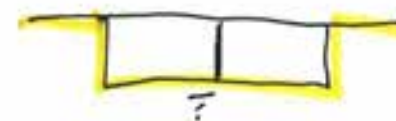
SEA +partners
servais.partners



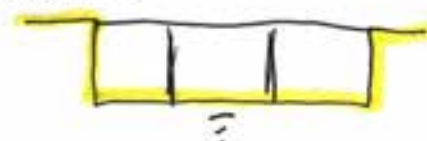


Fil conducteur

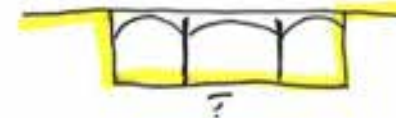
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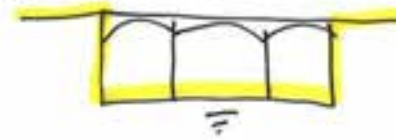
2. RENOUVÉ



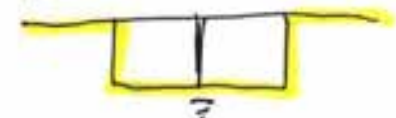
3. ÉPARGNE



4. MARIE-HENRIETTE



5. DARDANELLE



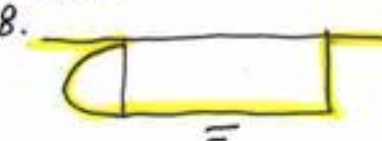
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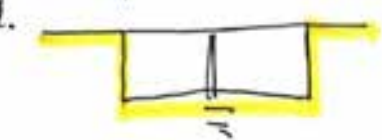
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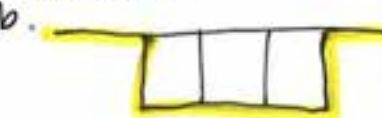
8. CHÊNE



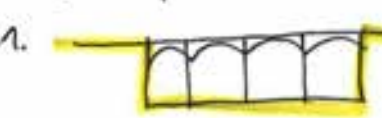
9. SAUVAGE



10. FRANÇAIS

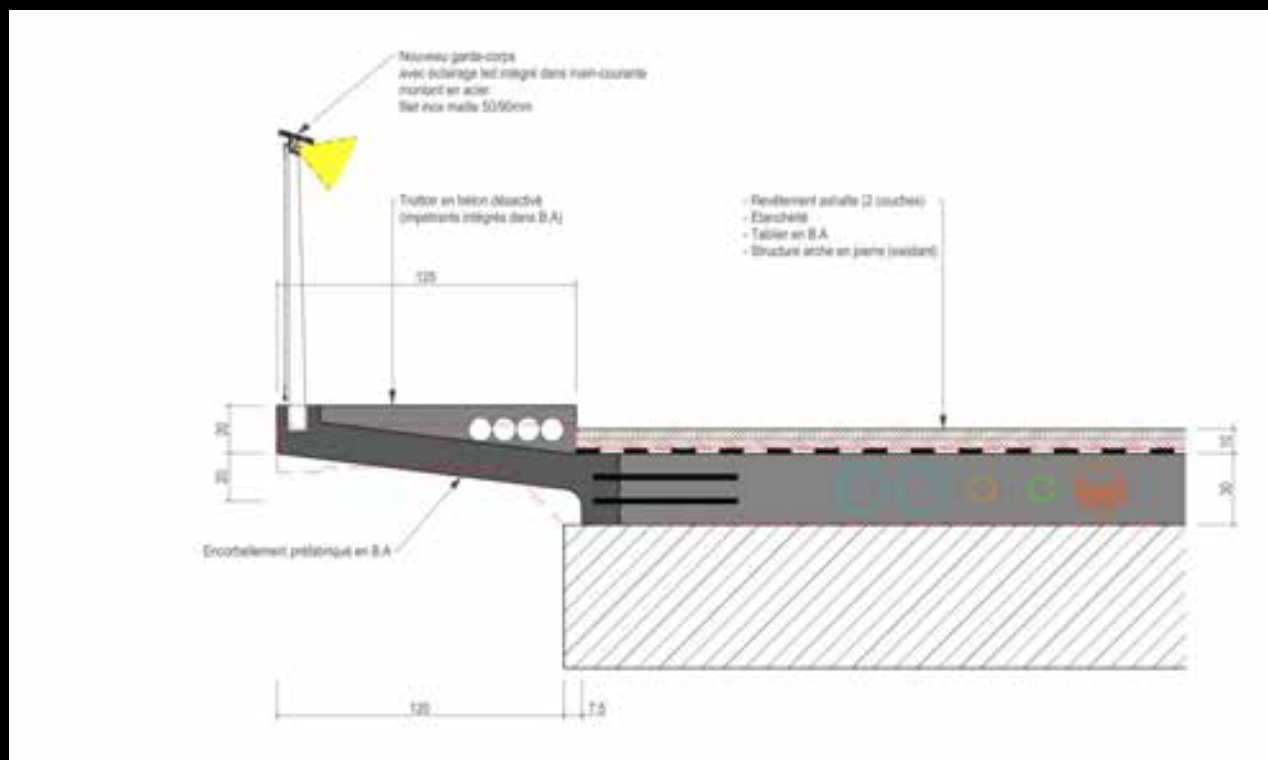


11. LA RAYE

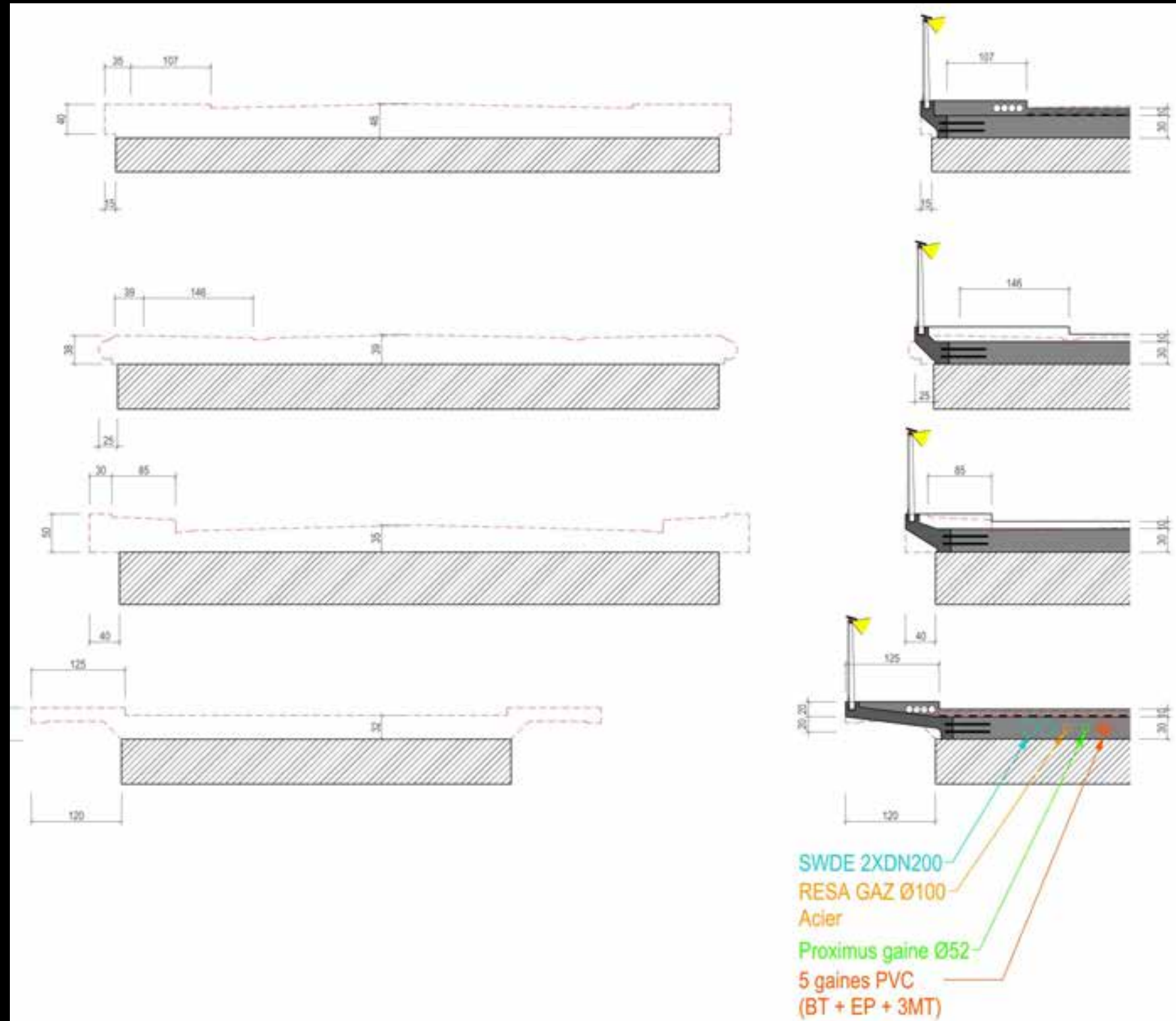


12. FIL DE FER.

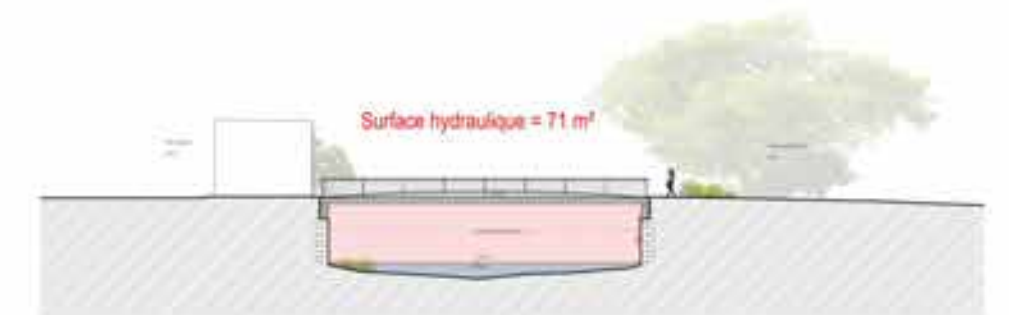
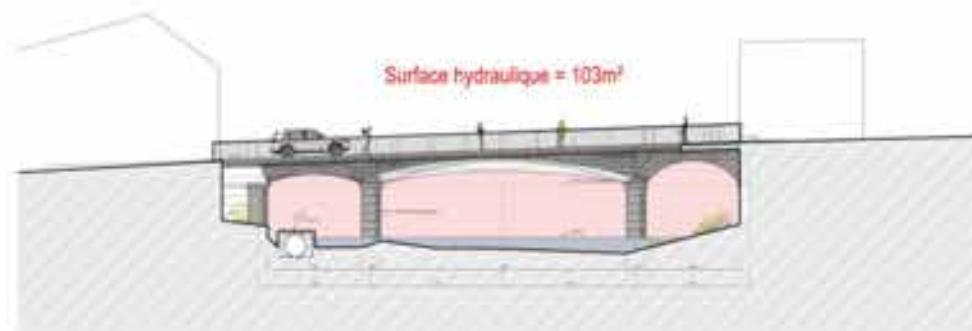
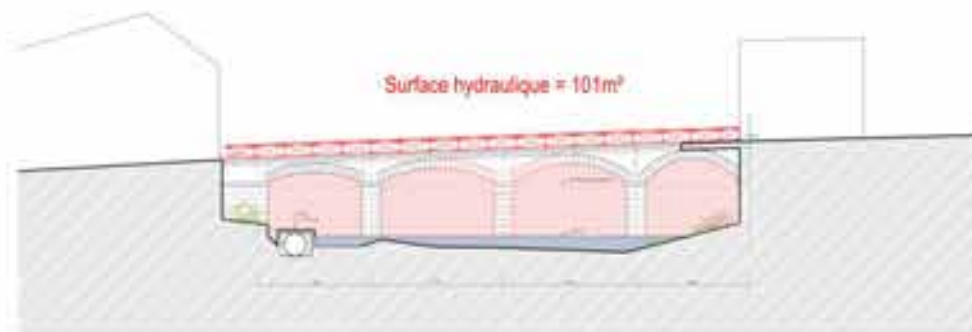
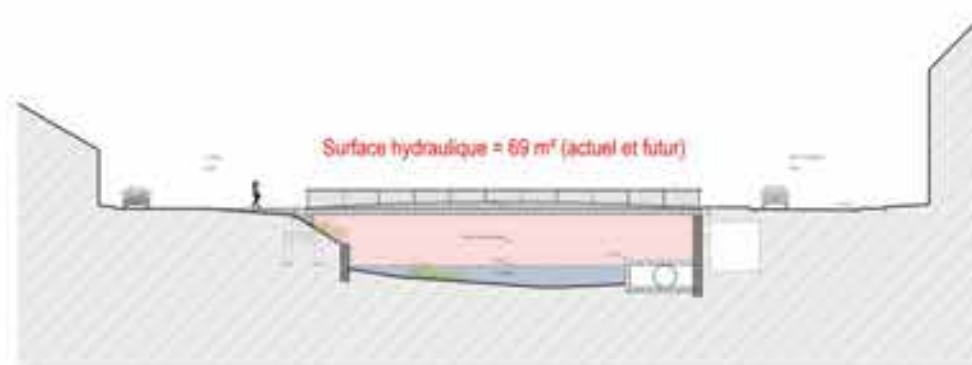




Intégration des Impétrants



Hydraulique, interactions





VERVIERS

Lot 1

- Pont de Renoupré
- Pont Marie-Henriette
- Pont de l'Épargne



Lot 2

- Passerelle Jean Roggeman
- Pont des Récollets
- Pont du Chêne
- Passerelle Sauvage
- Pont Léopold
- Pont des Demi-lunes



Lot 3

- Pont Francval



Lot 4

- Pont des Dardanelles



Lot 5

- Pont de Nasproué
- Pont de la Raye



EUPEN

Eupen

- Pont de Malmedy Strasse
- Passerelles



Ouvrages

Pont de la Raye et Nasproué

Pont Francval

Pont des Dardanelles

Marie Henriette et pont « Alte »

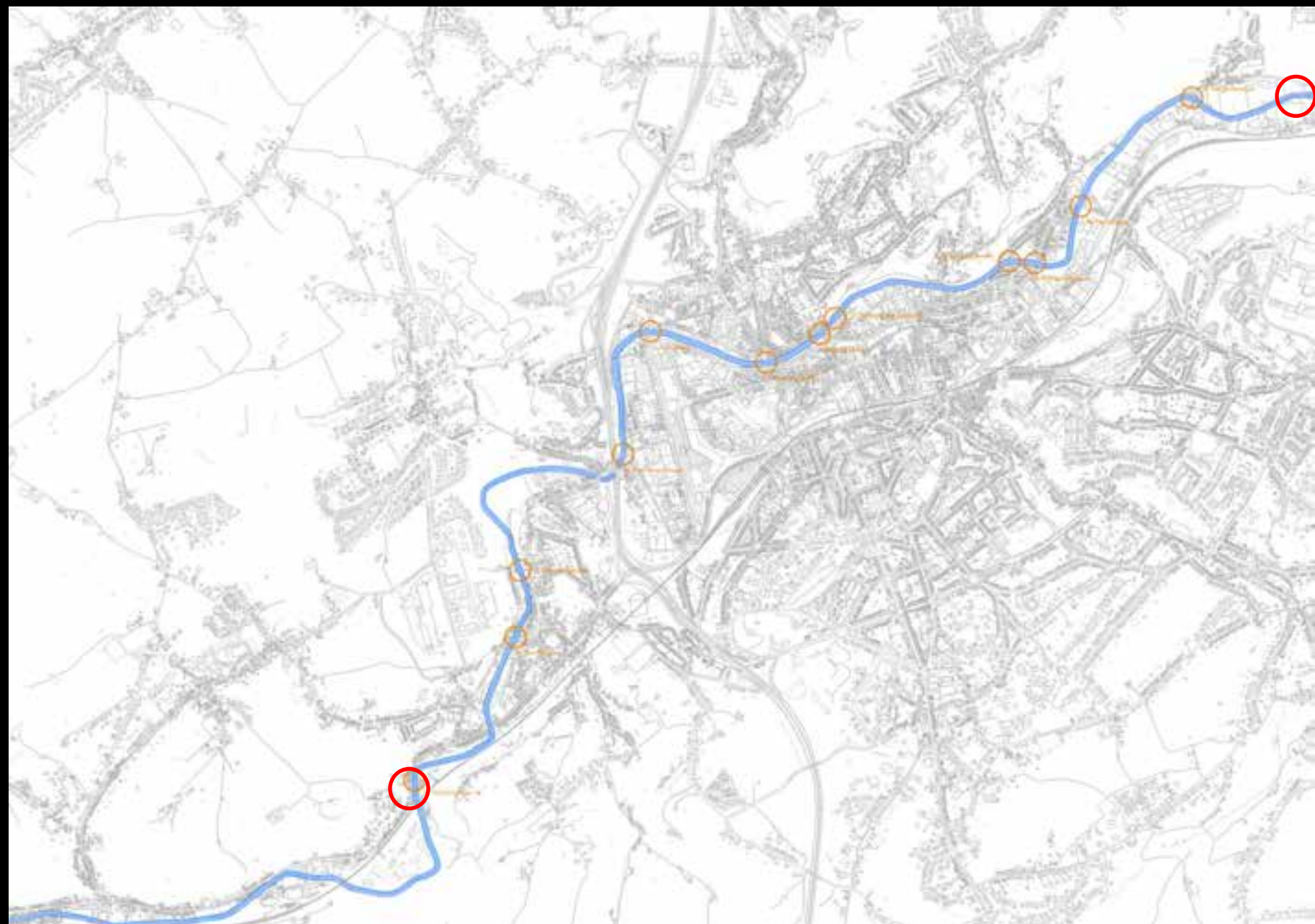
Pont de l'Épargne

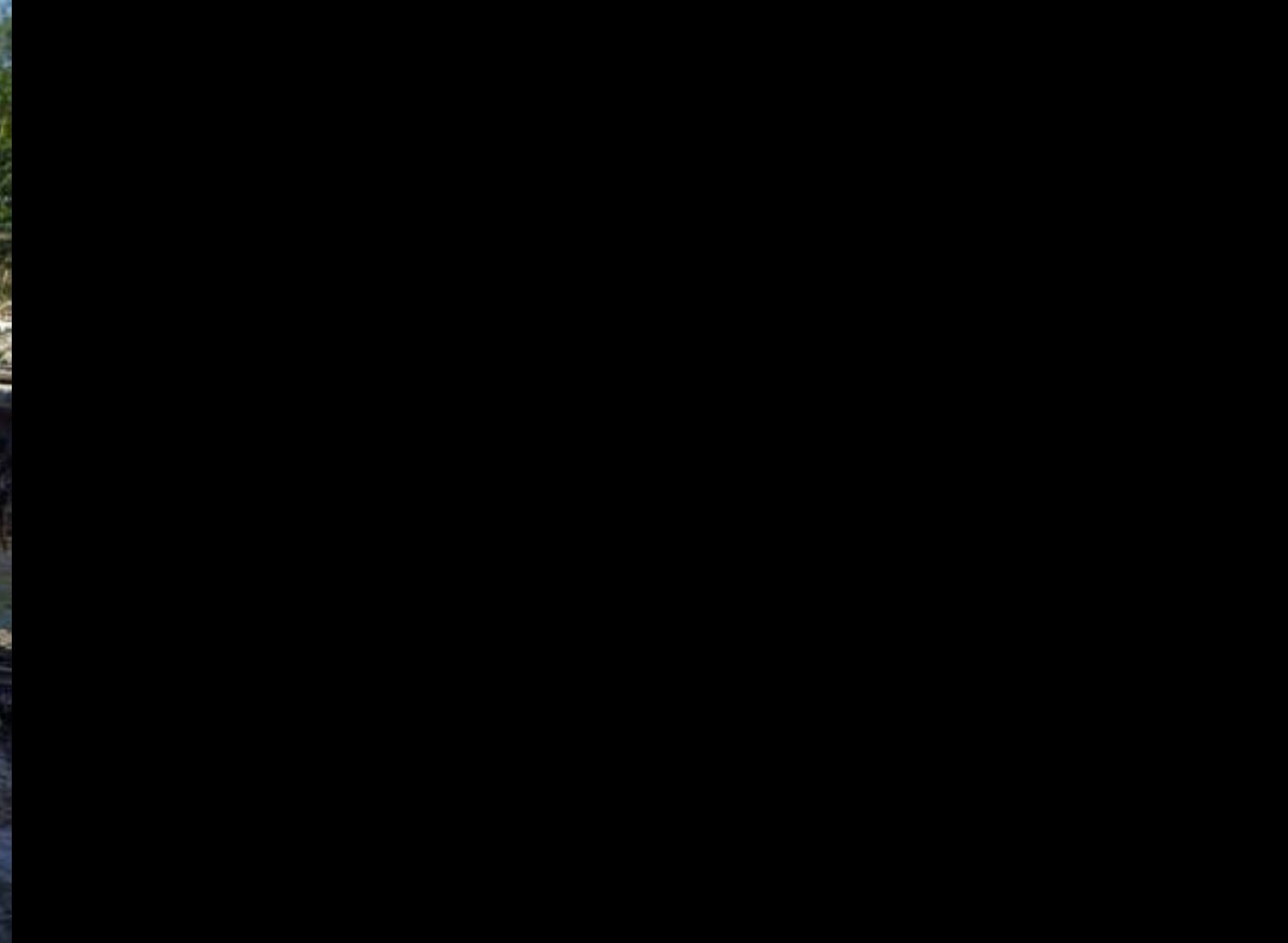
Fil de Fer

Passerelles à Eupen

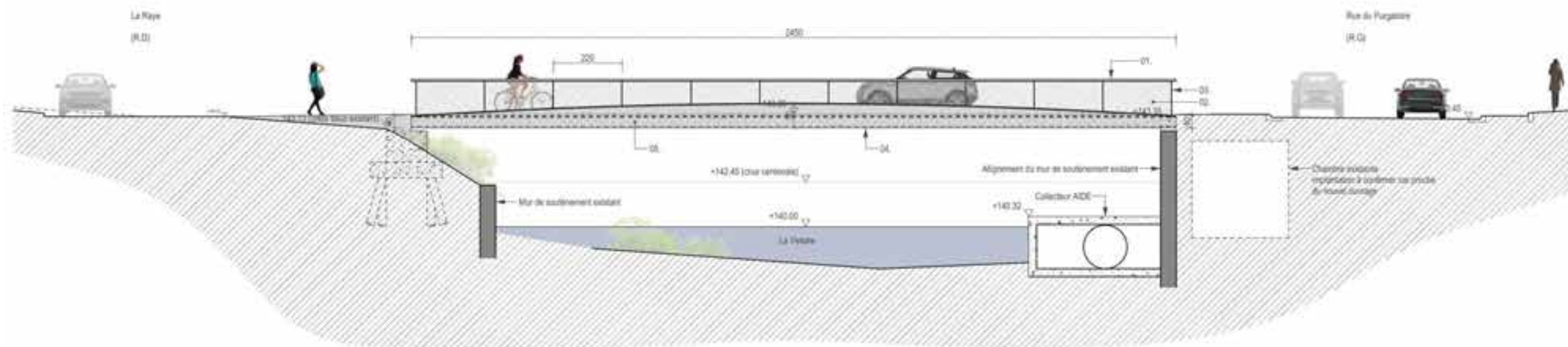
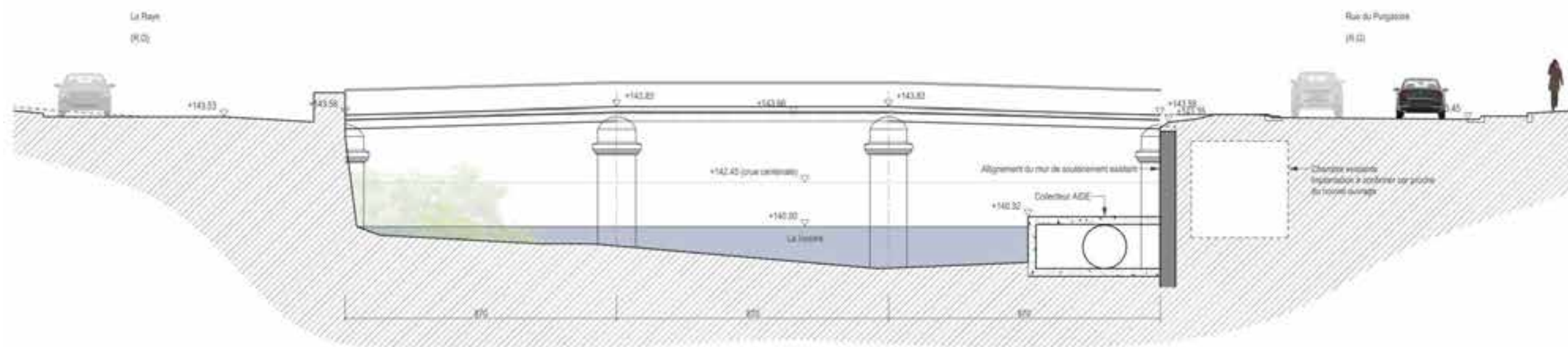
Pont de la Raye

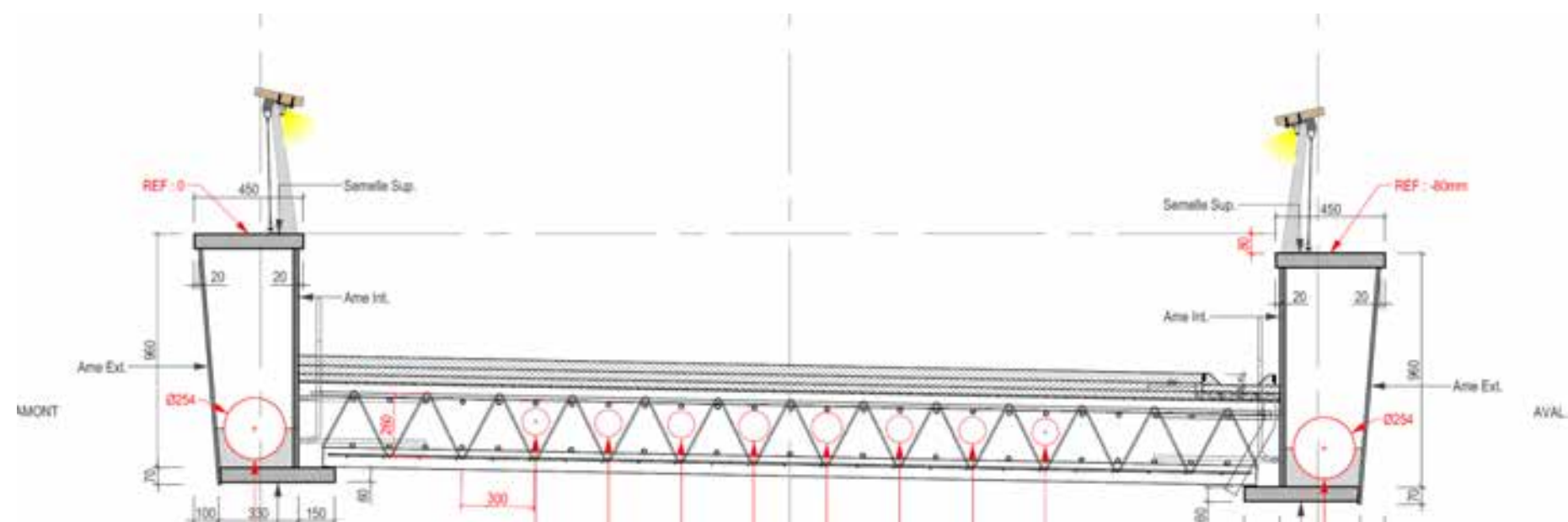
et de Nasproué

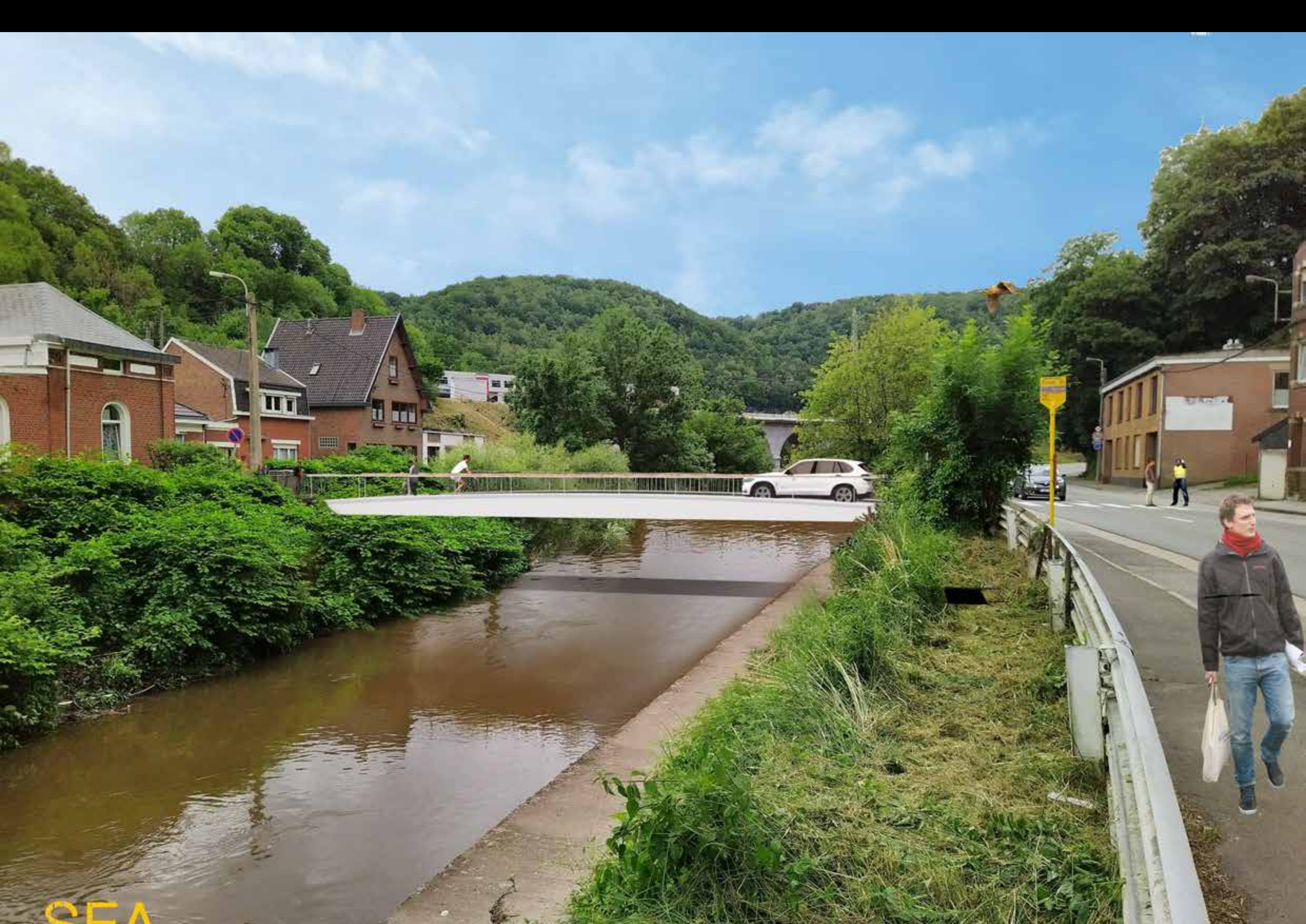








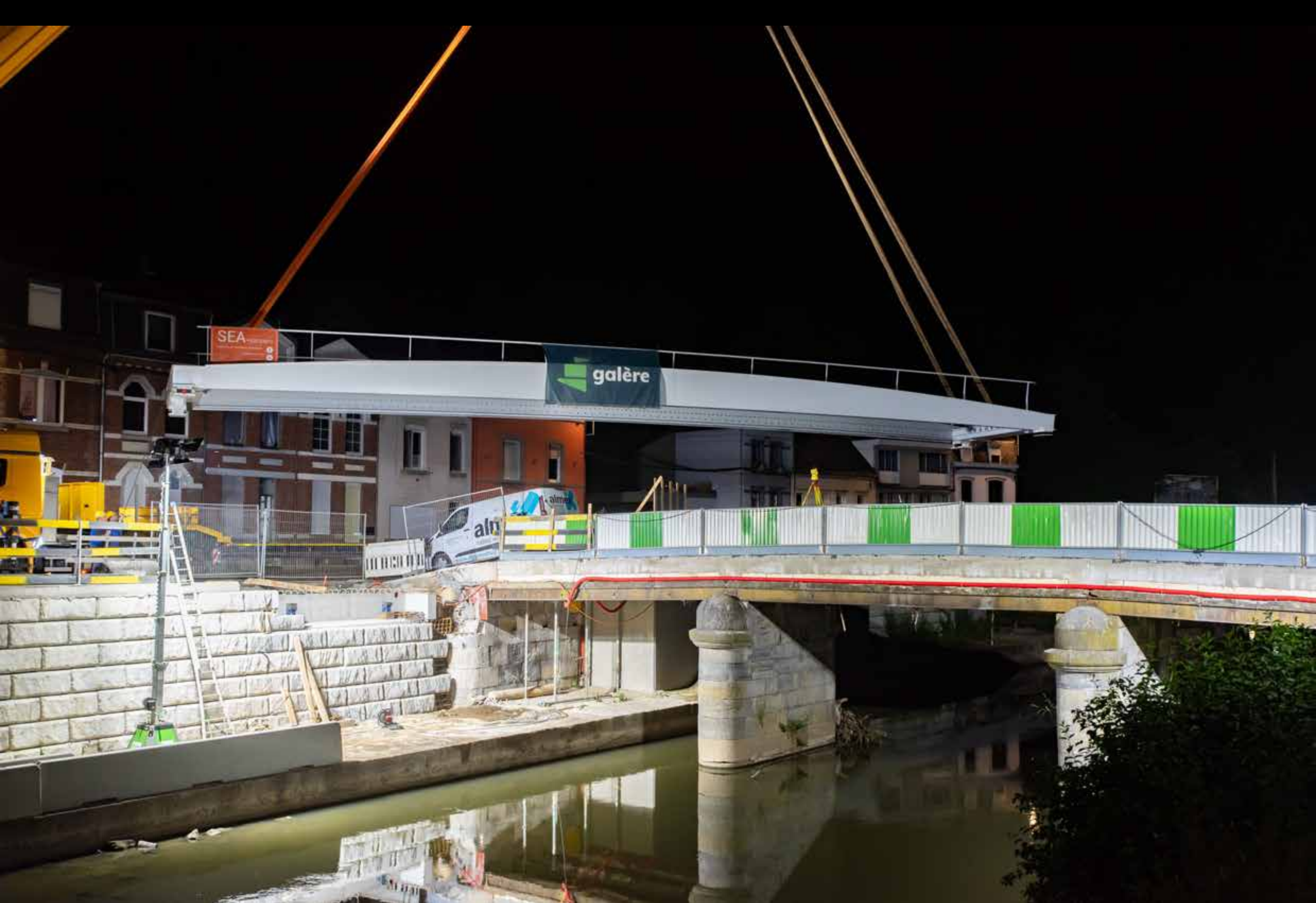








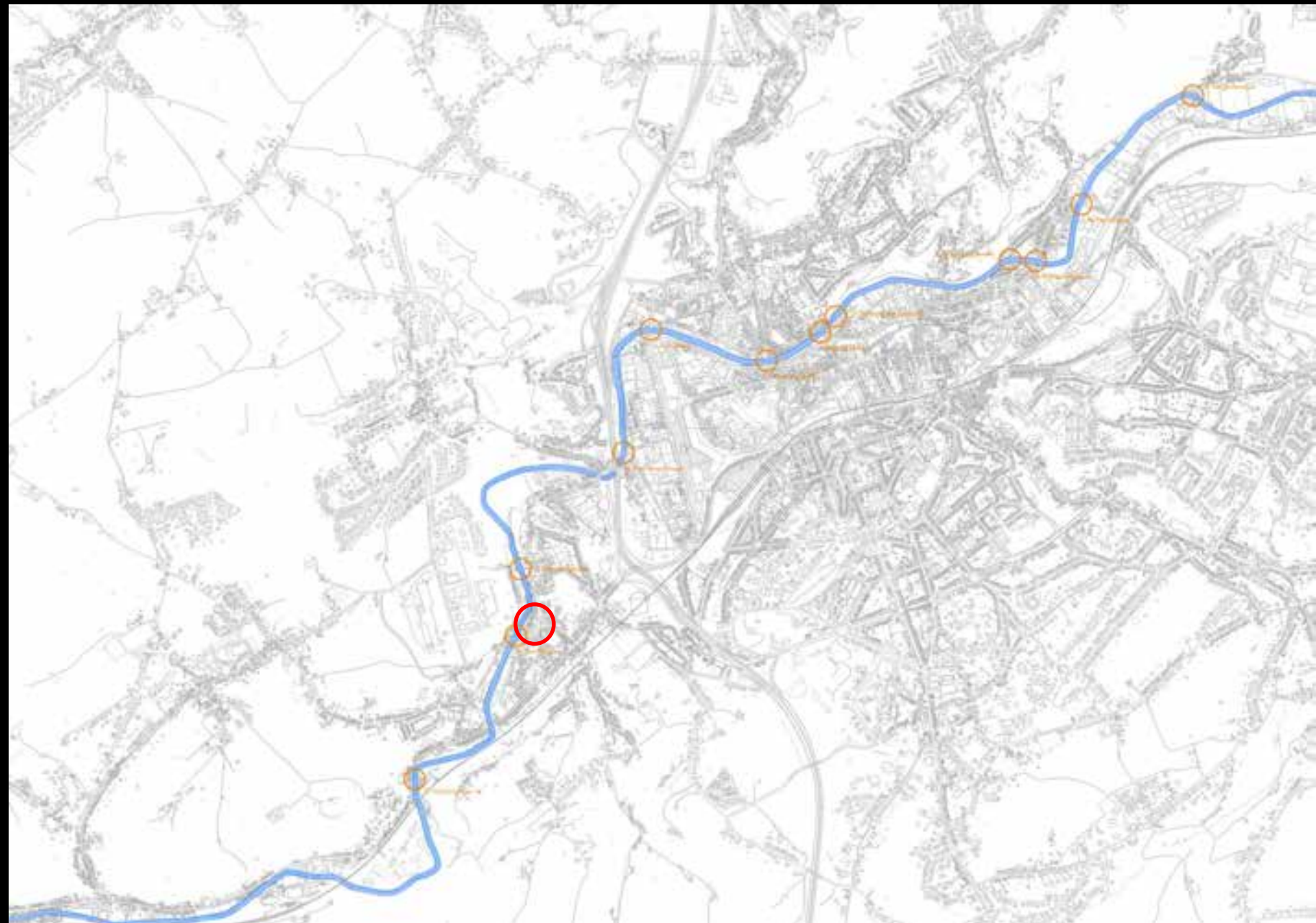






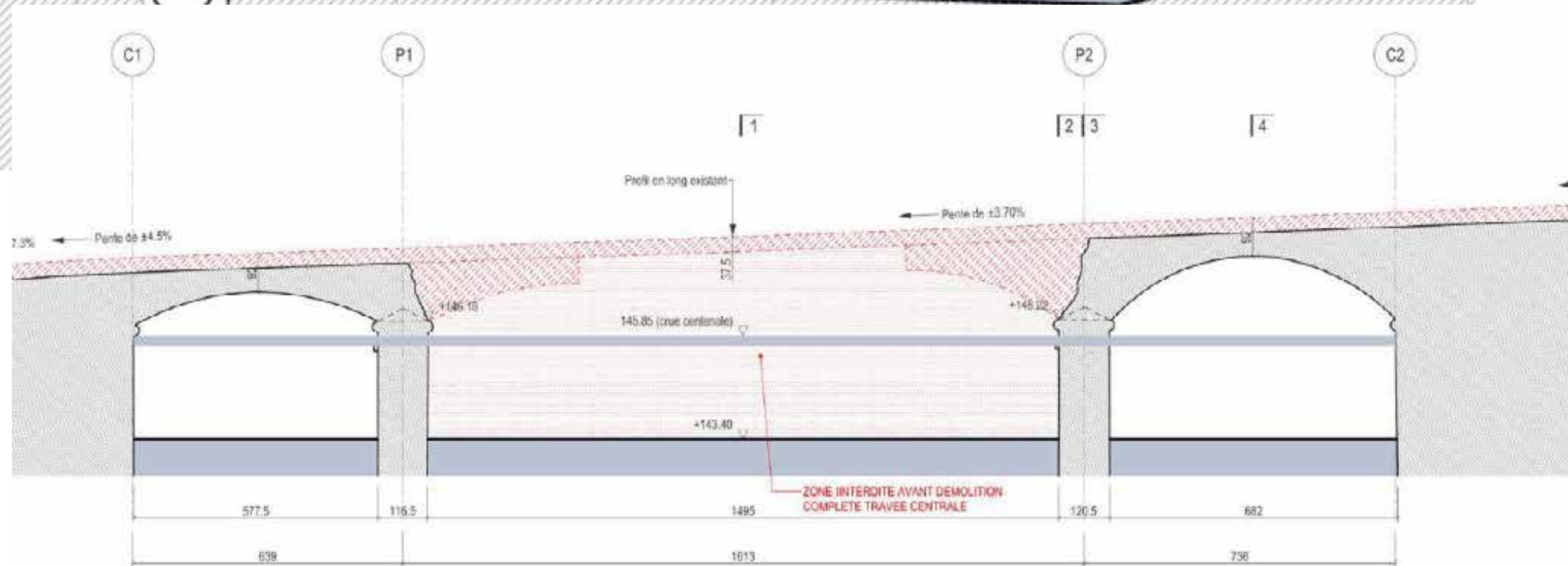
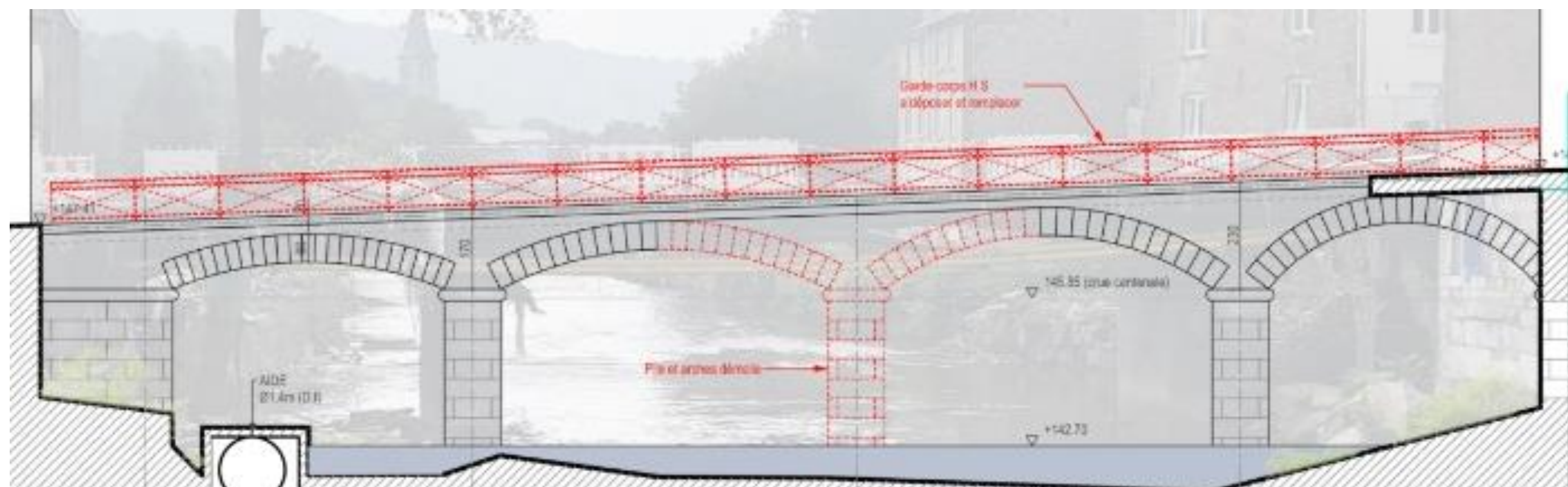


Pont Francval

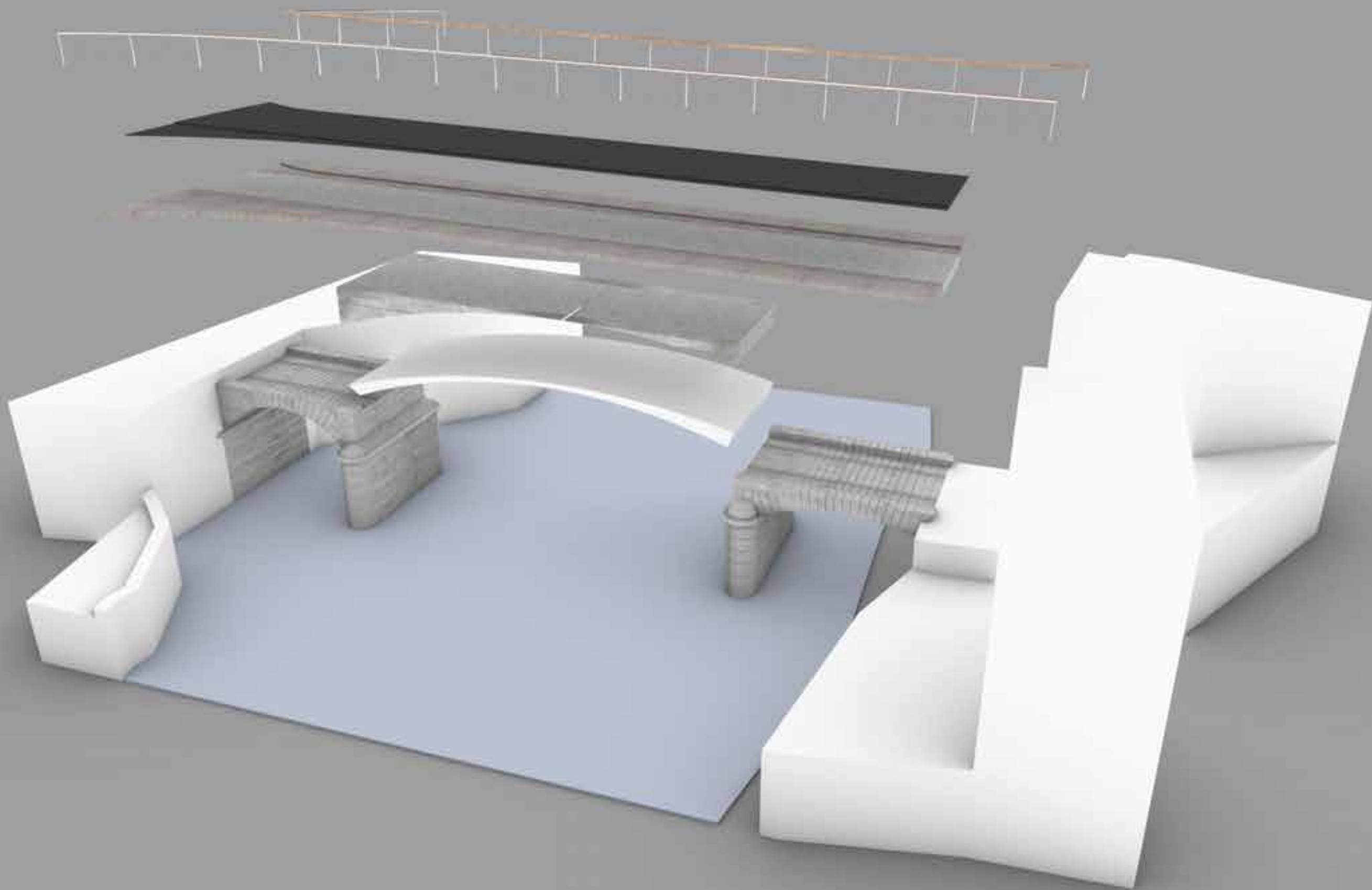


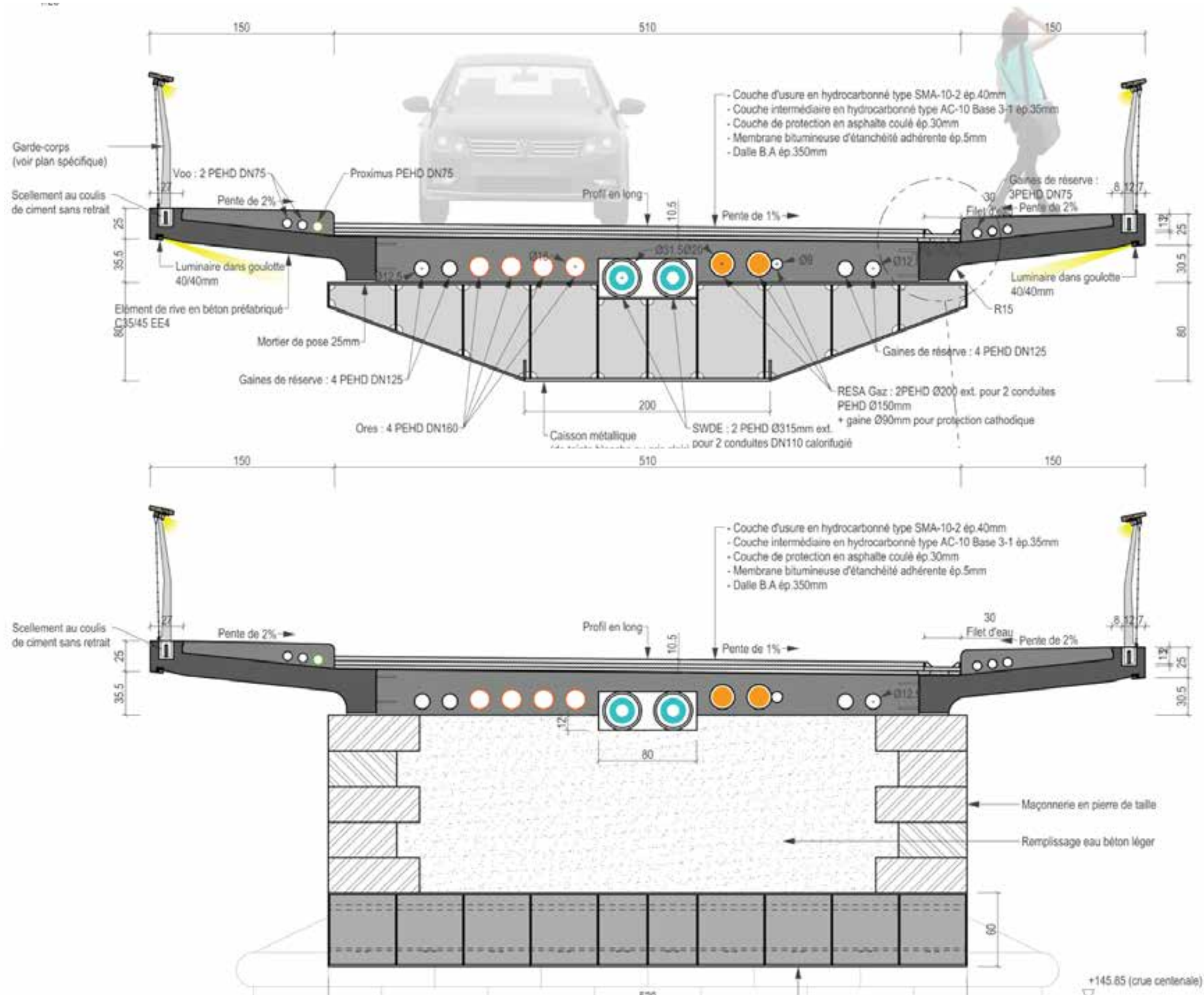


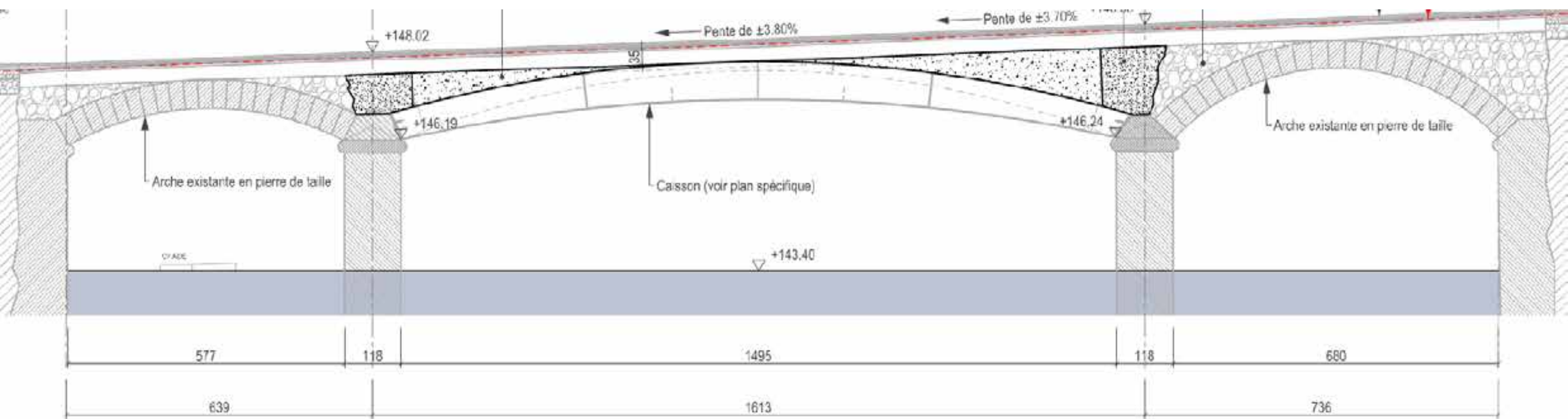


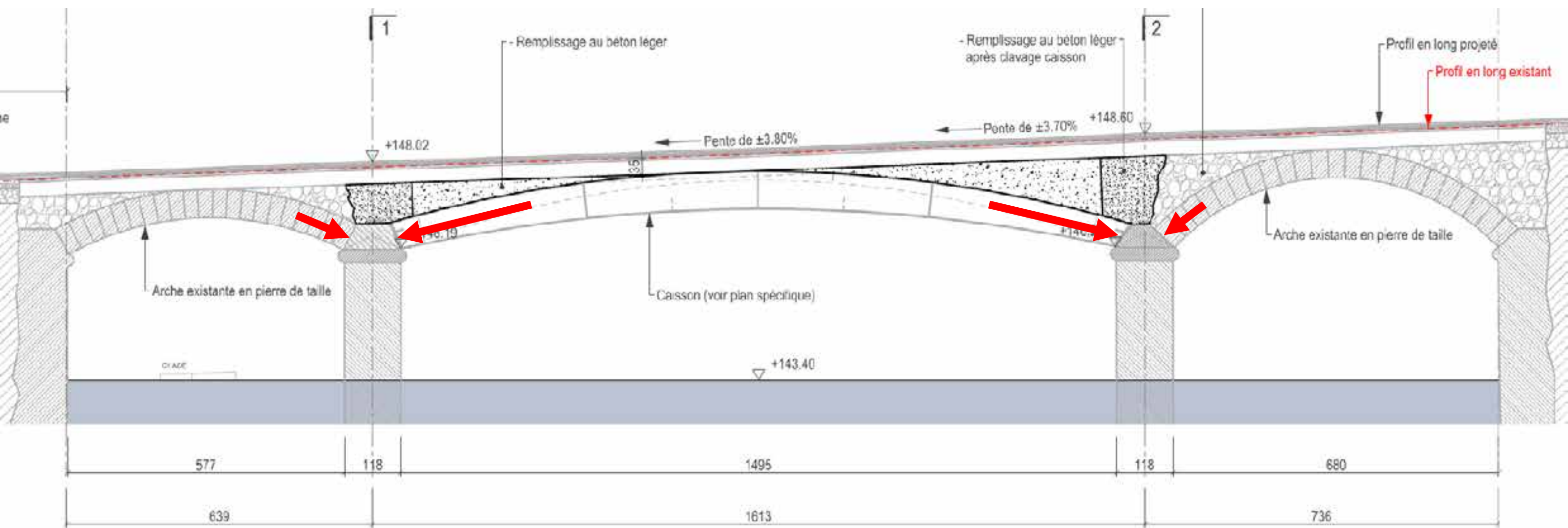


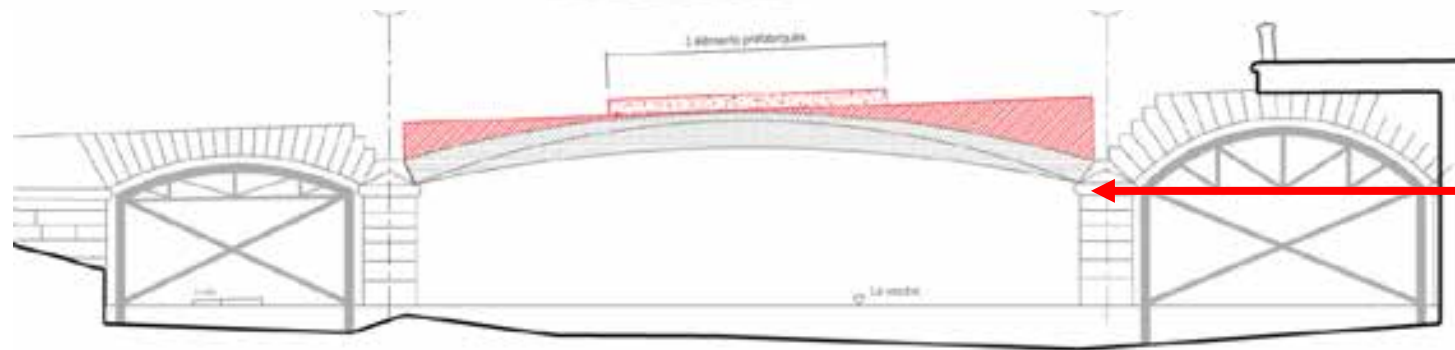
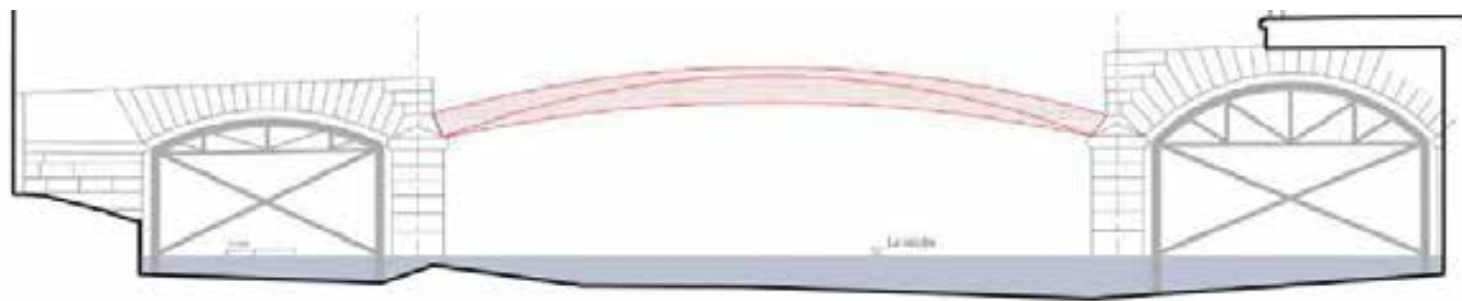
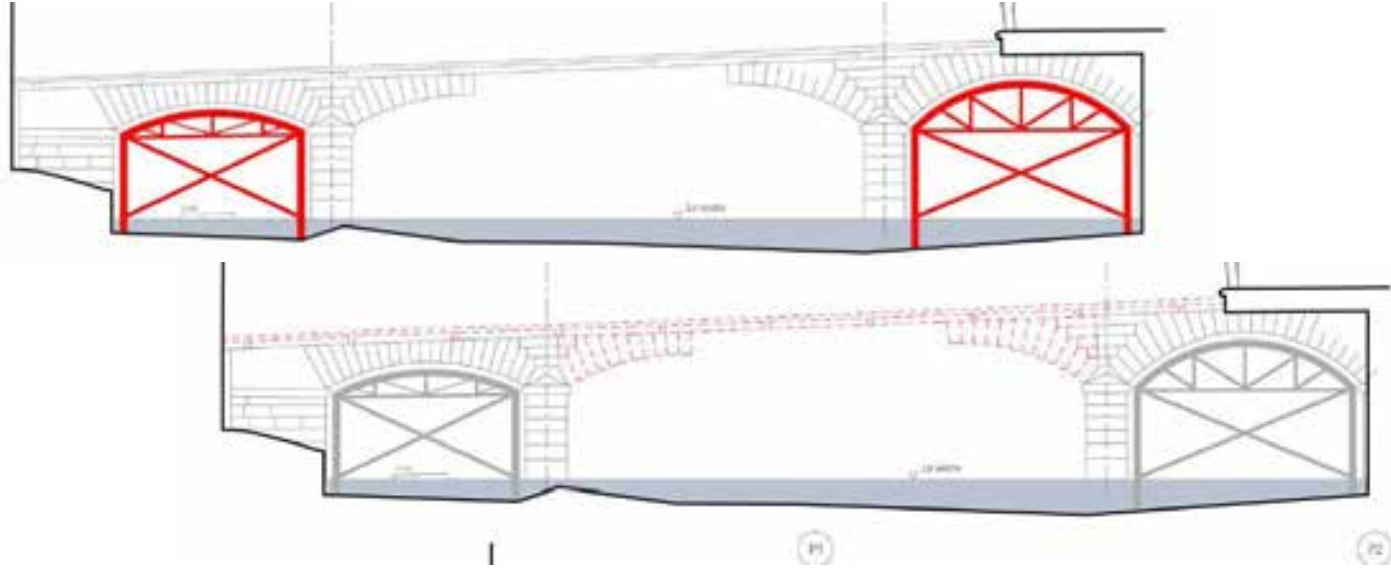




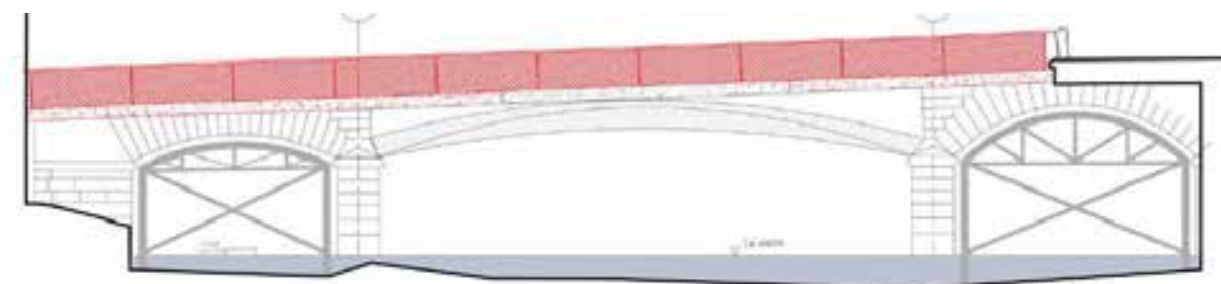




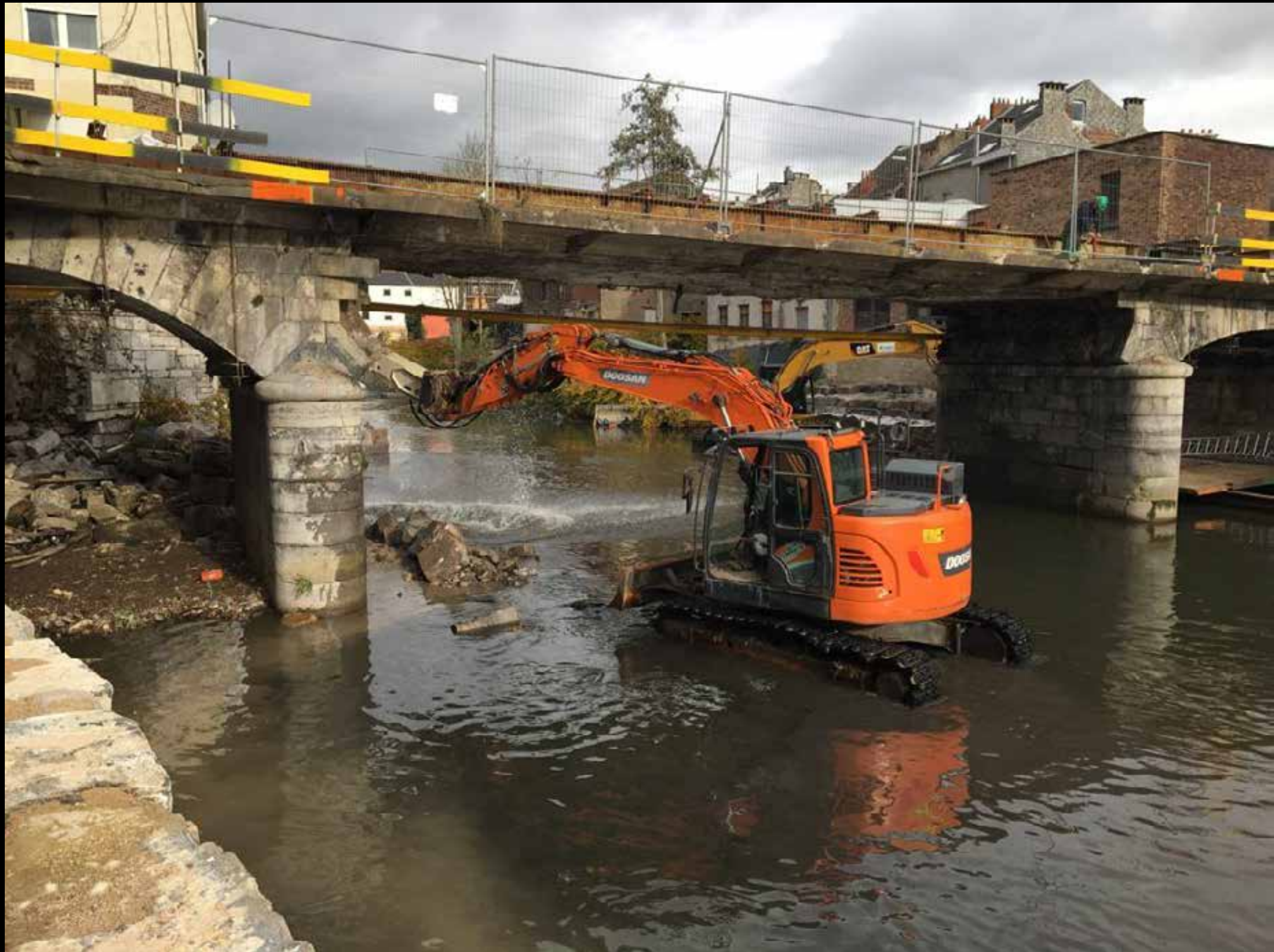


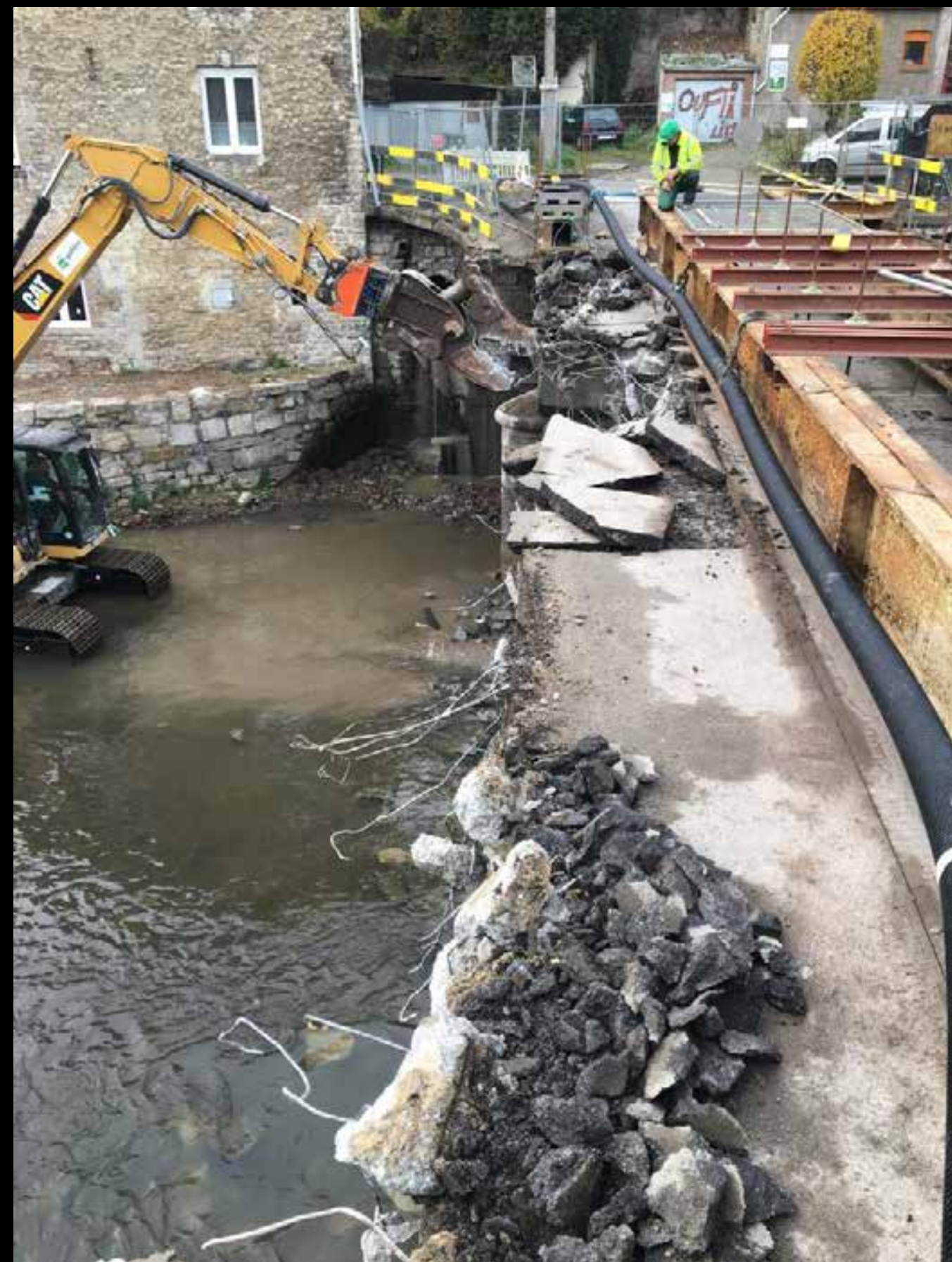


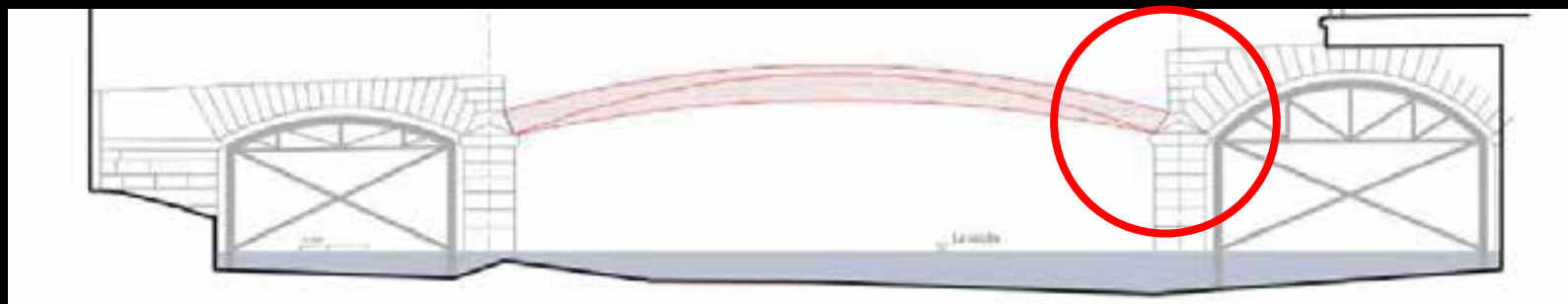
Clavage arc











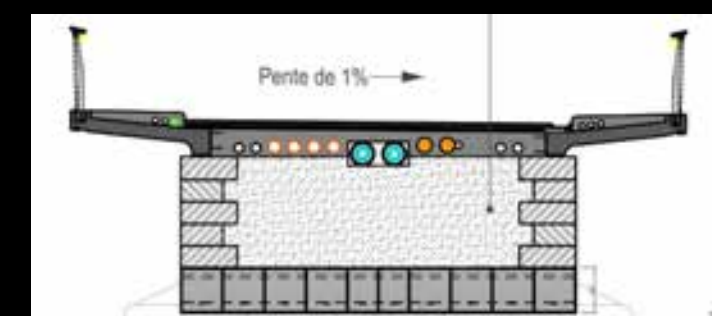
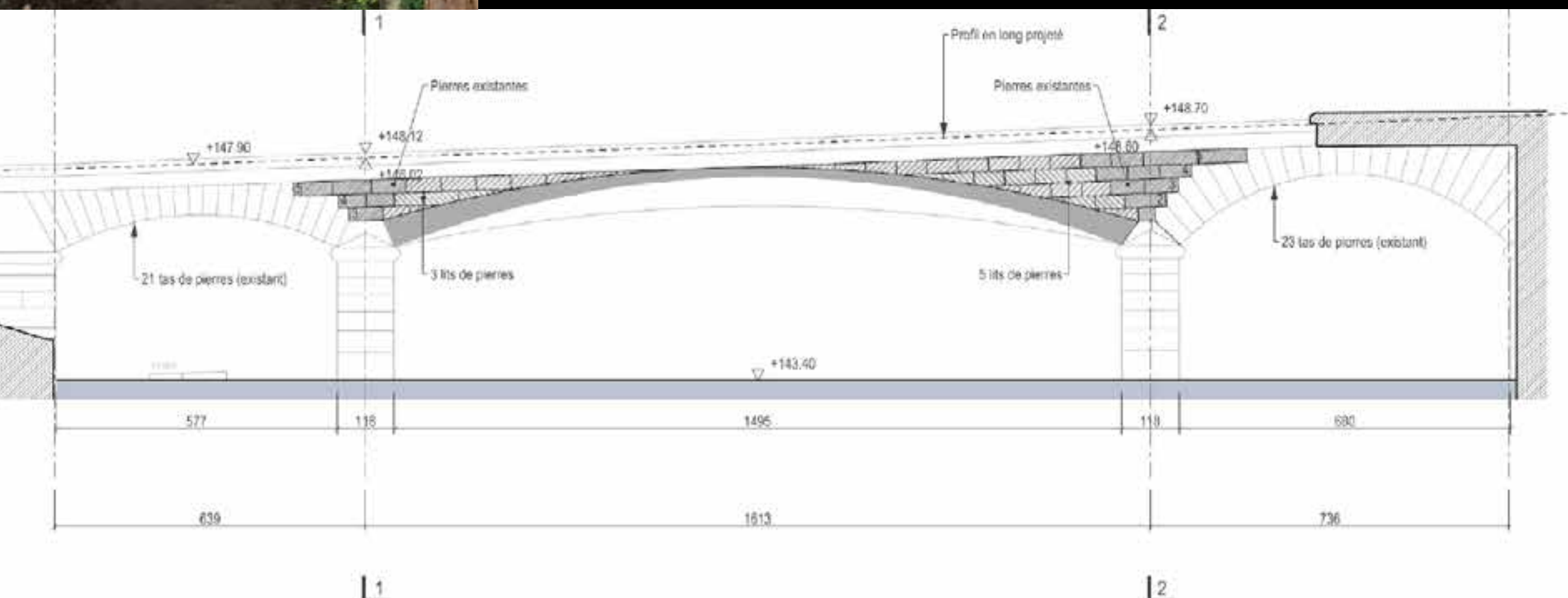












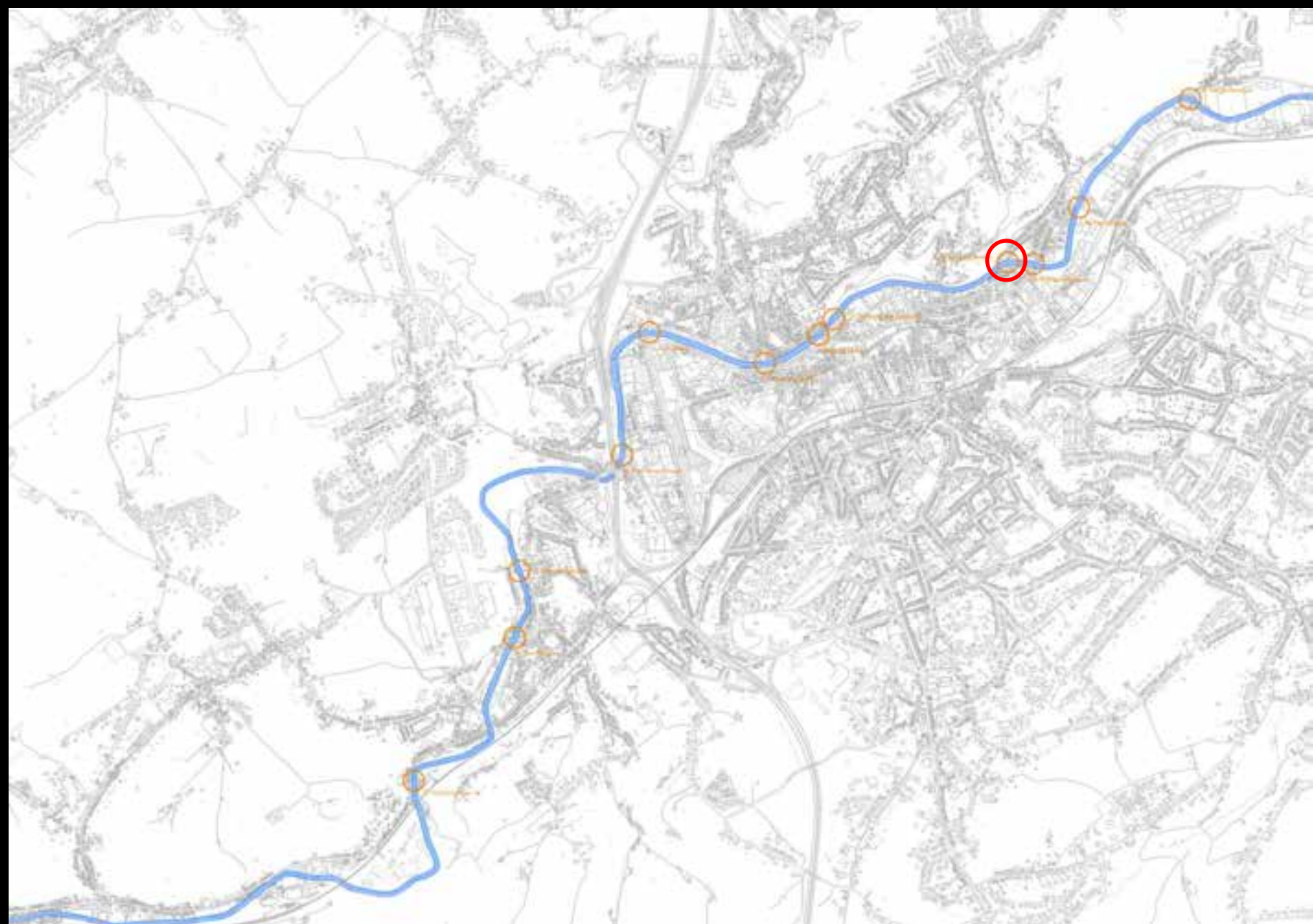




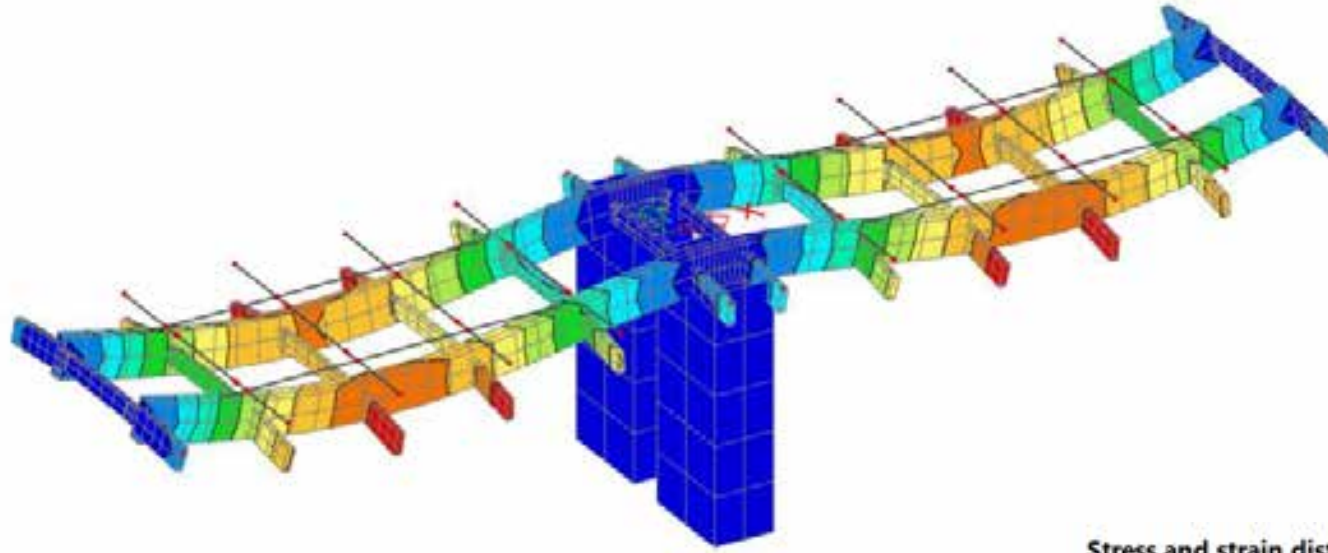




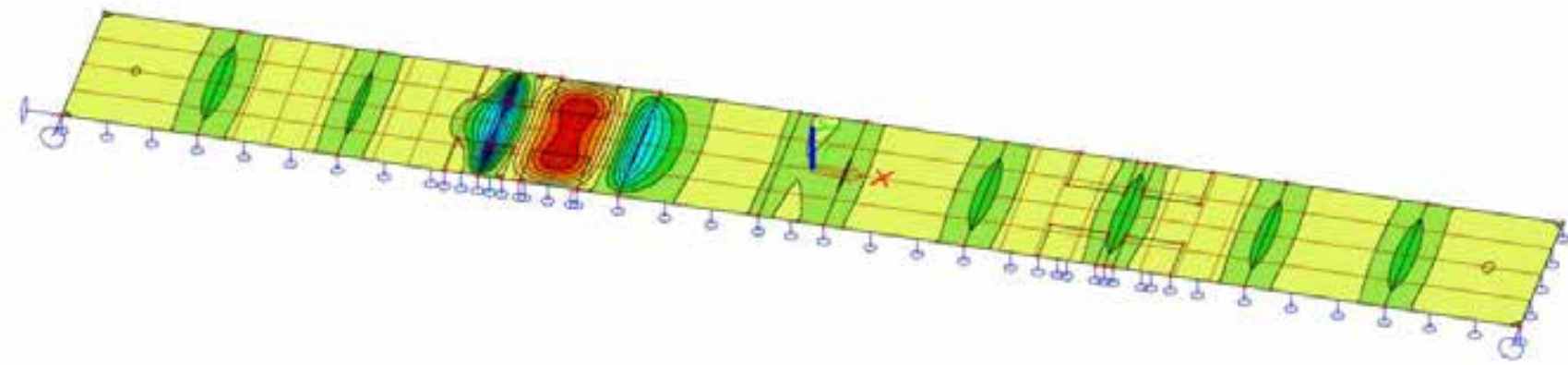
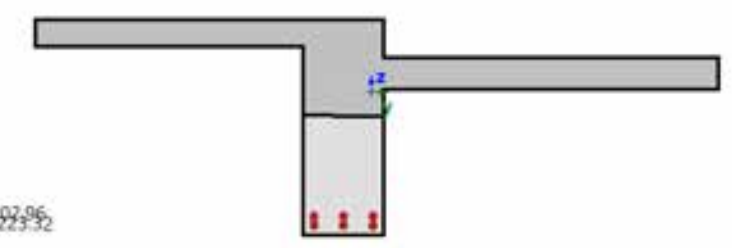
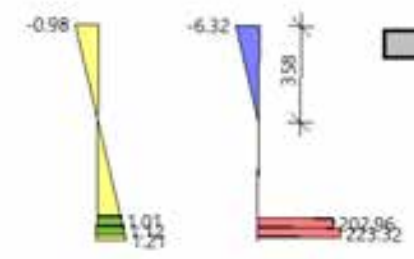
Pont des Dardanelles

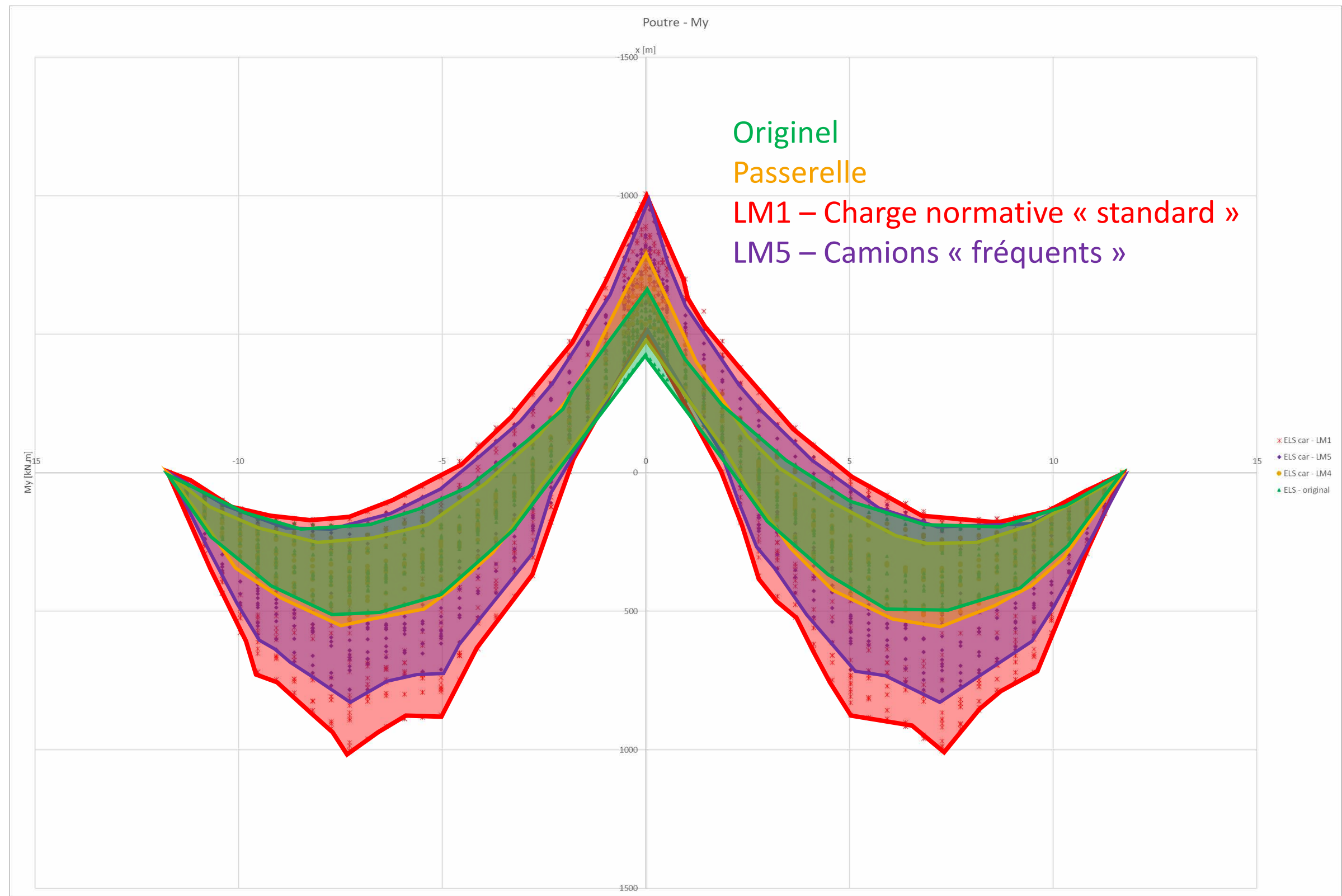


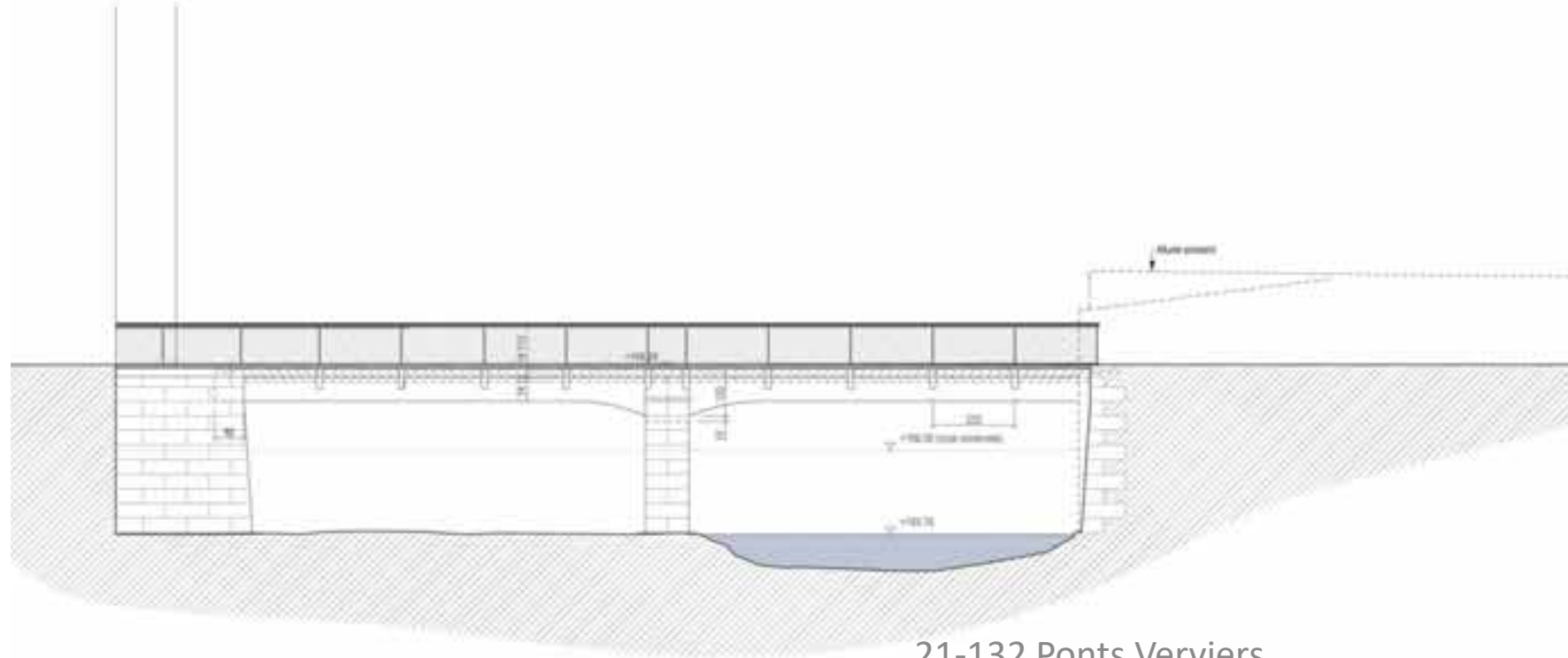
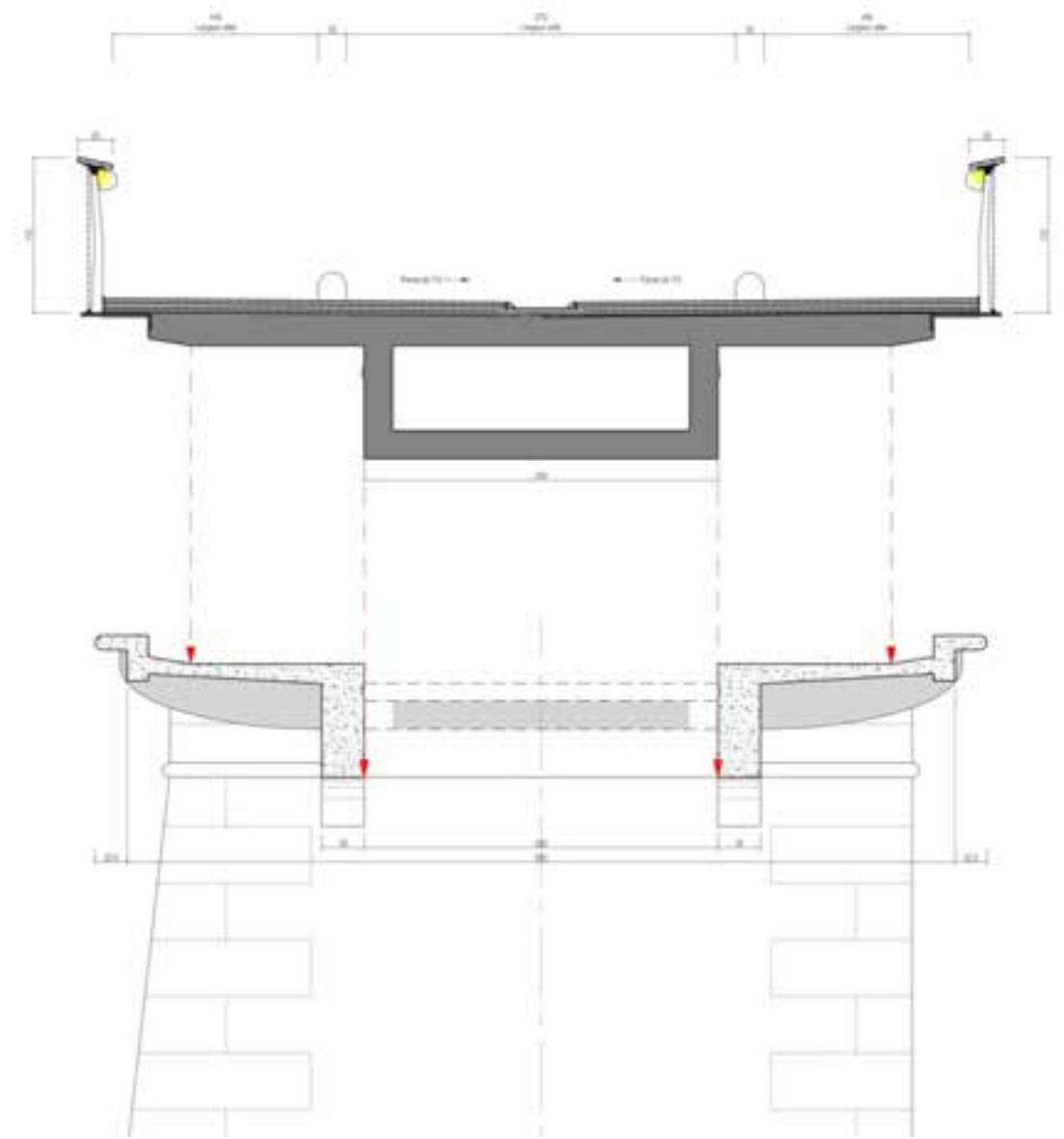




Stress and strain distribution





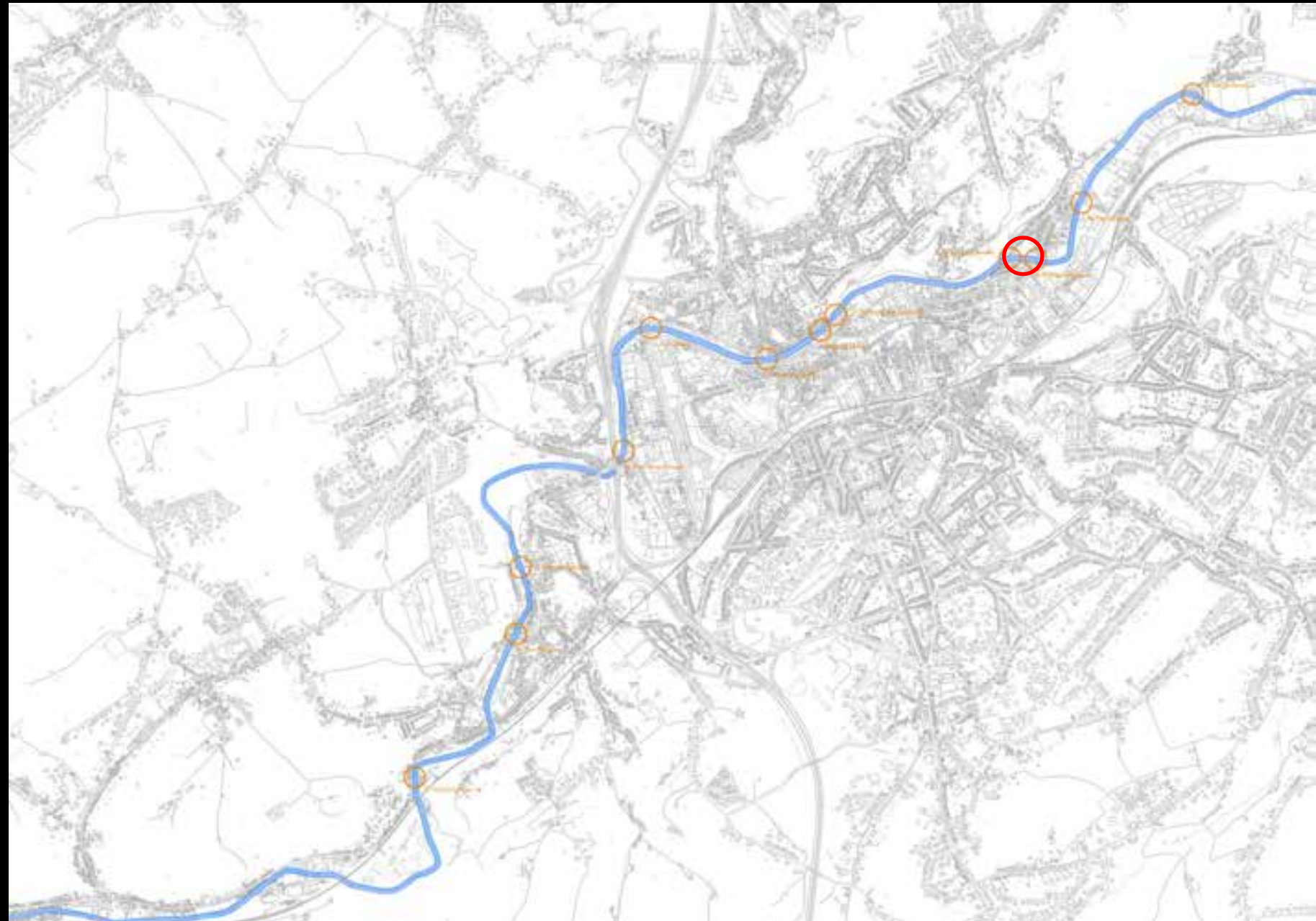


21-132 Ponts Verviers



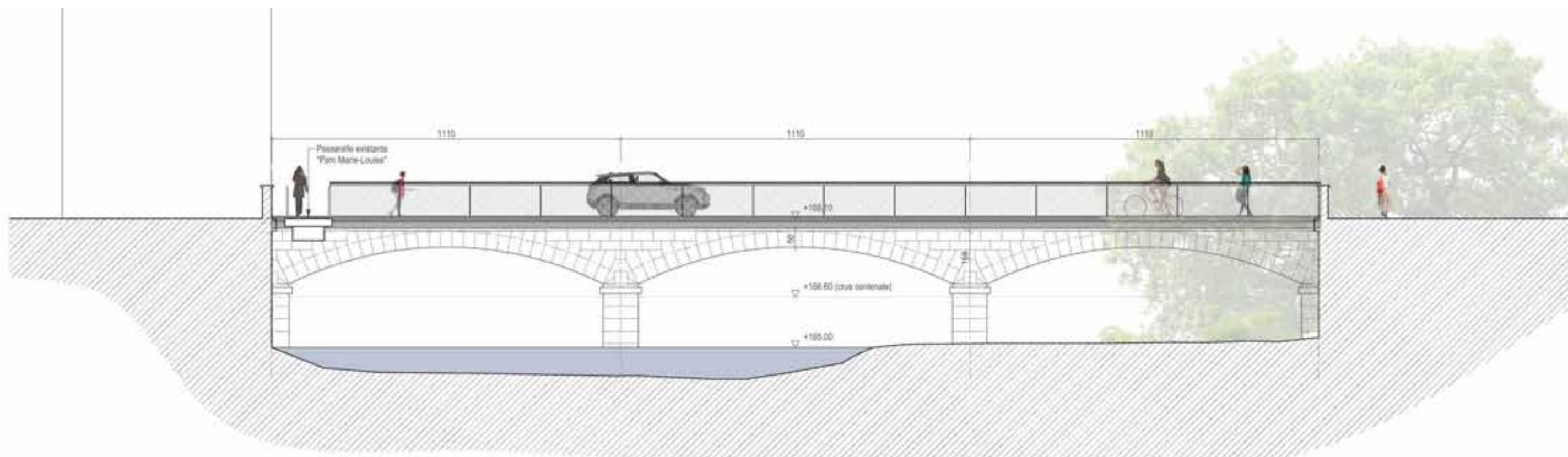
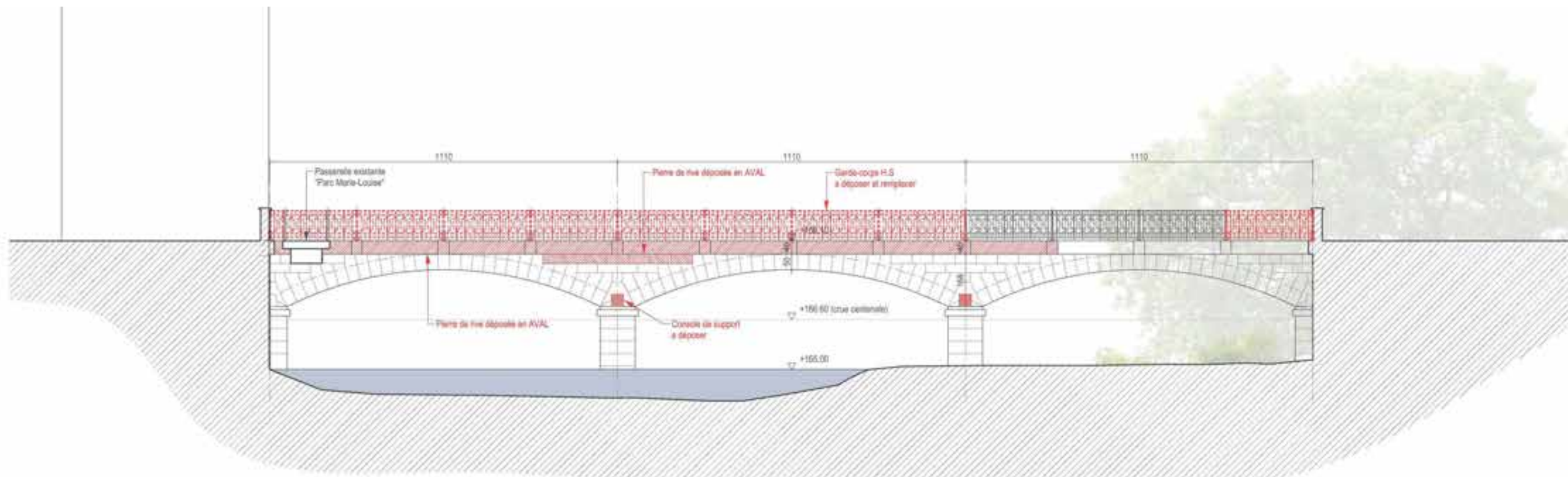
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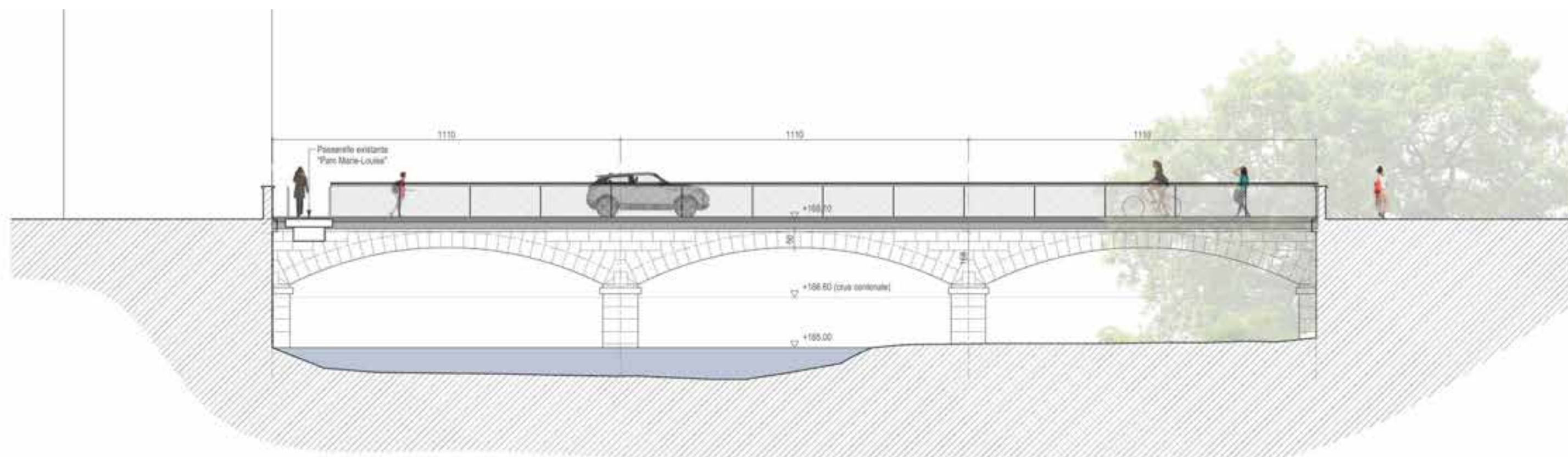
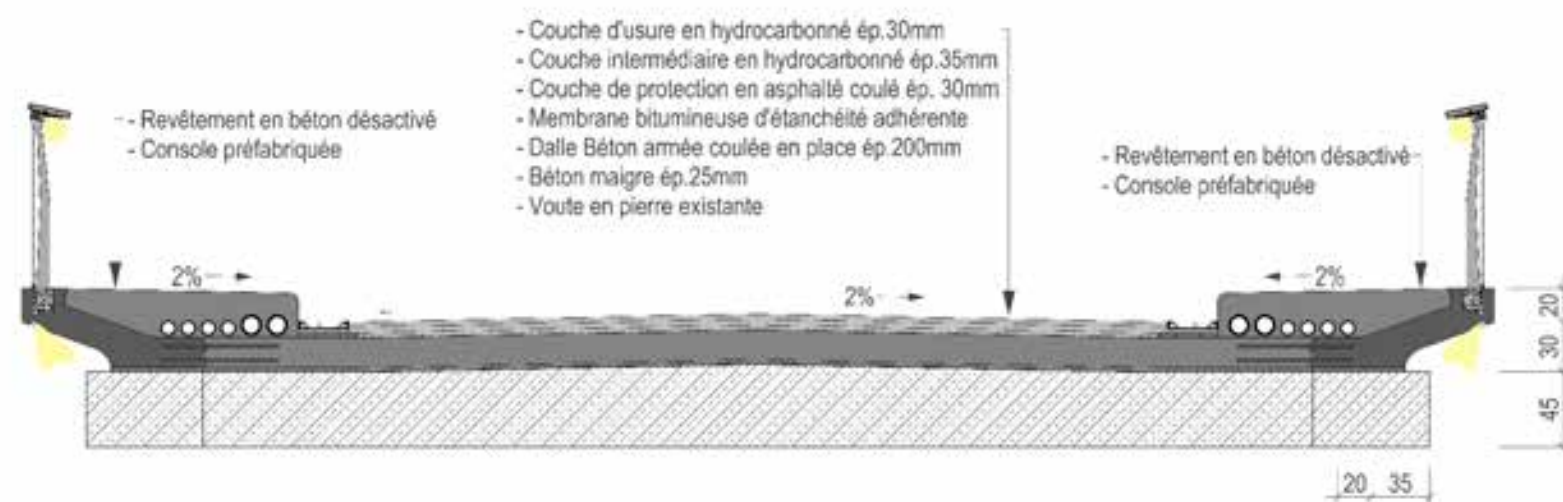
Pont Marie-Henriette







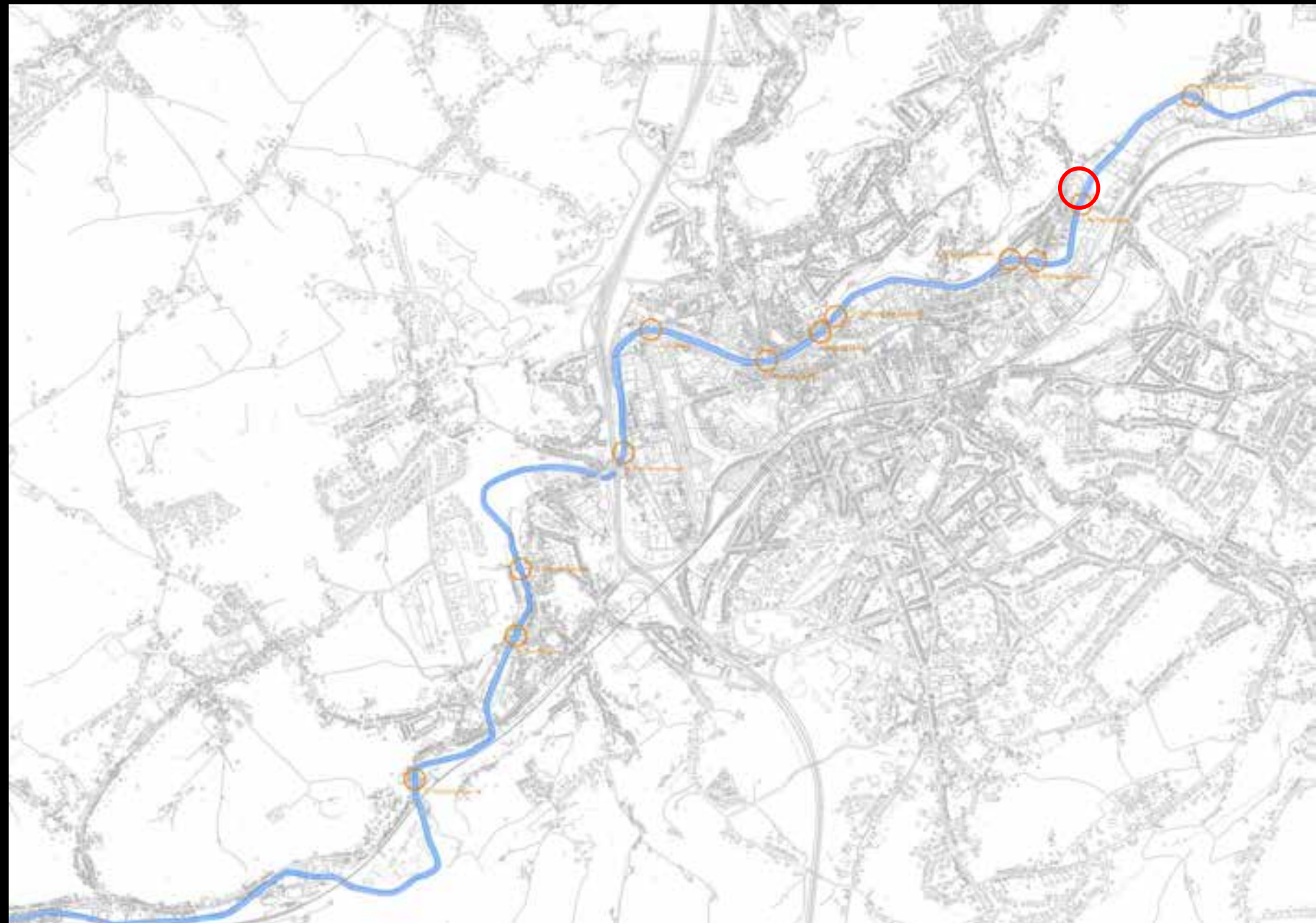




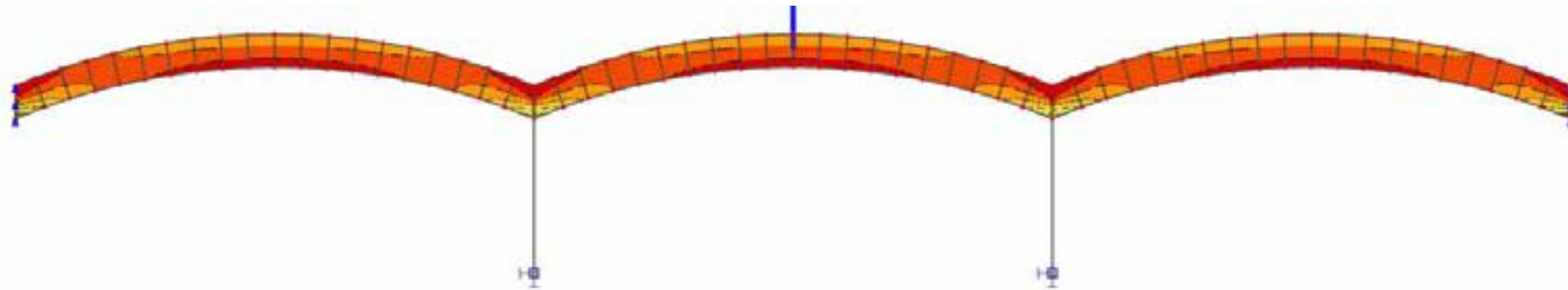
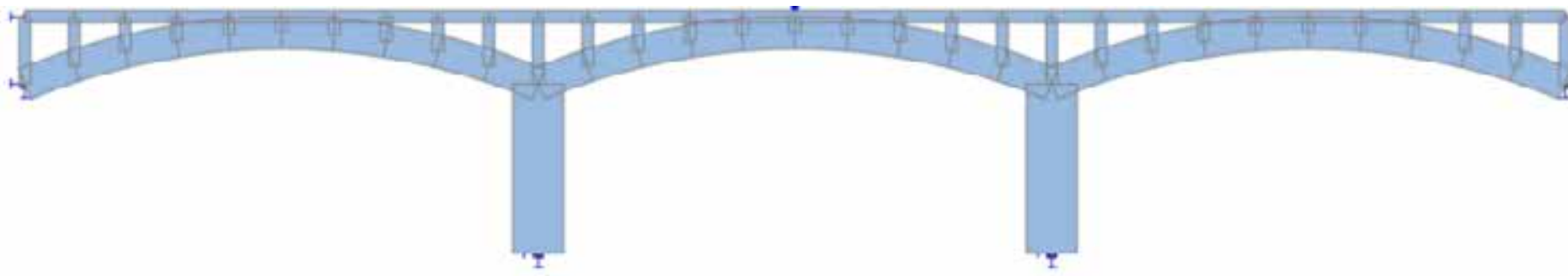




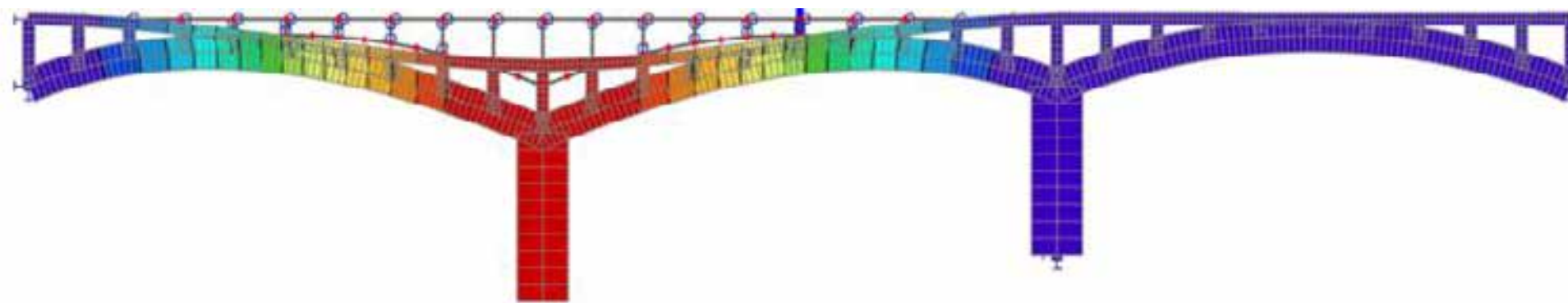
Pont de l'Epargne



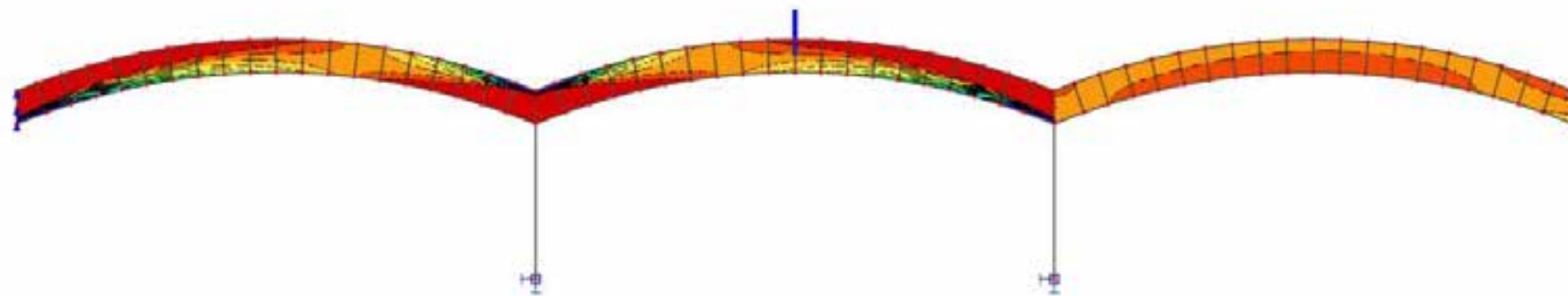


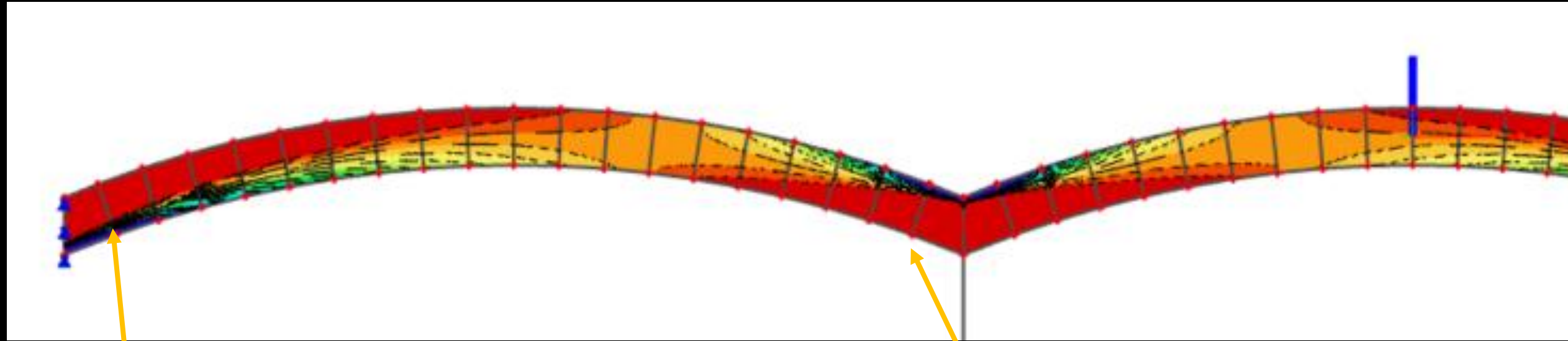


Perm

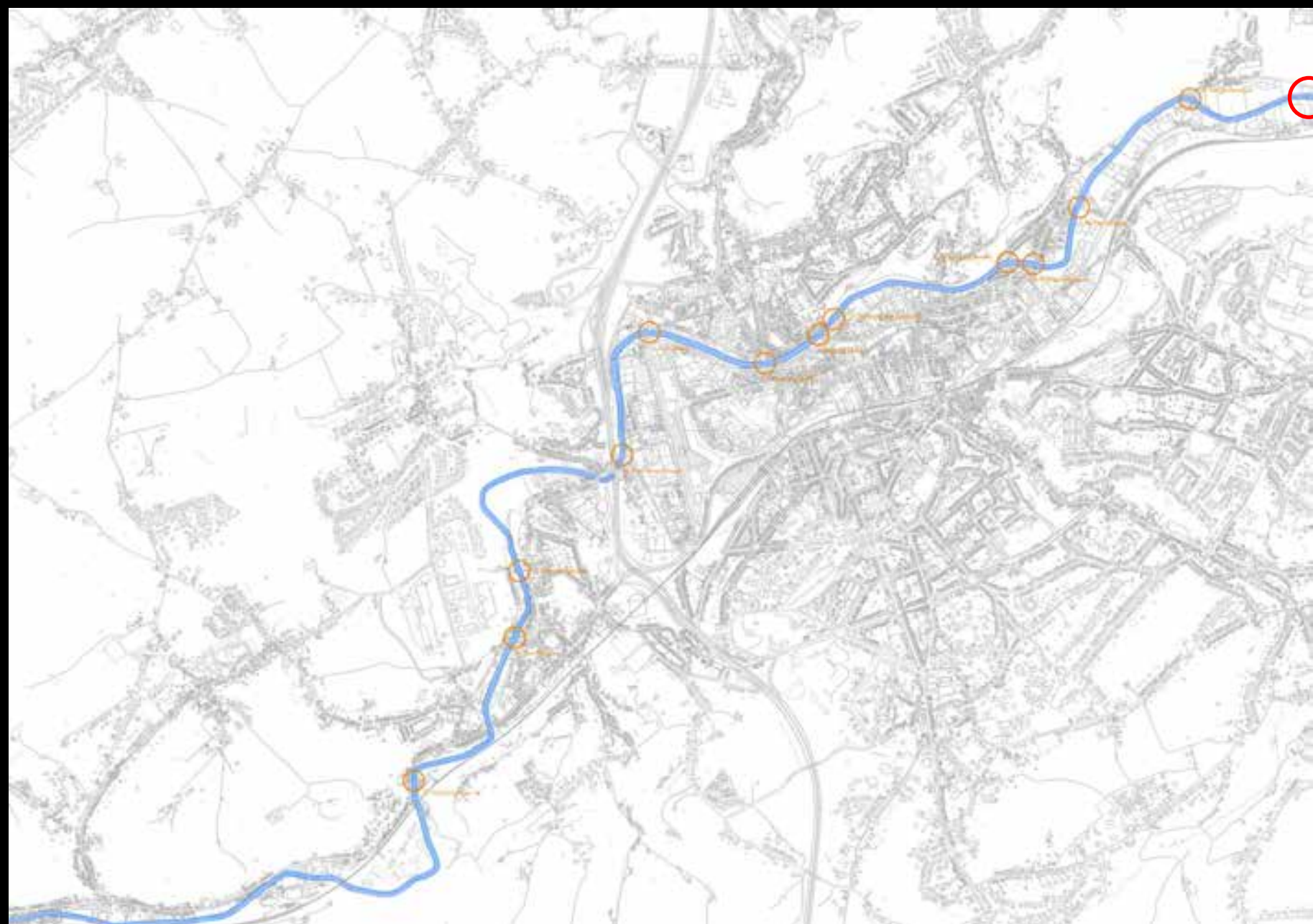


$\Delta z \approx 10 \text{ cm}$



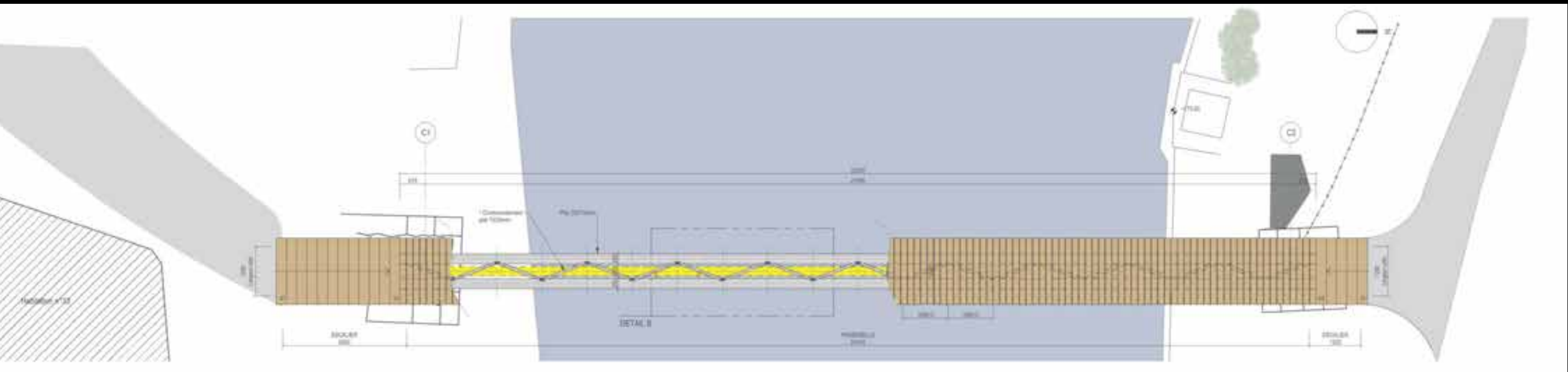
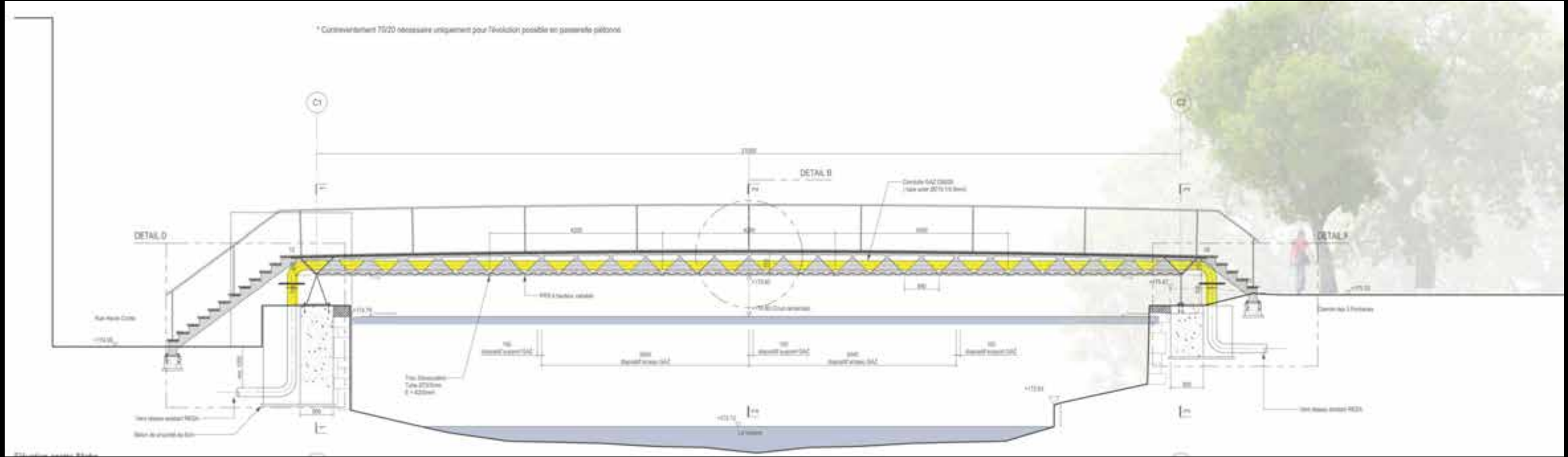


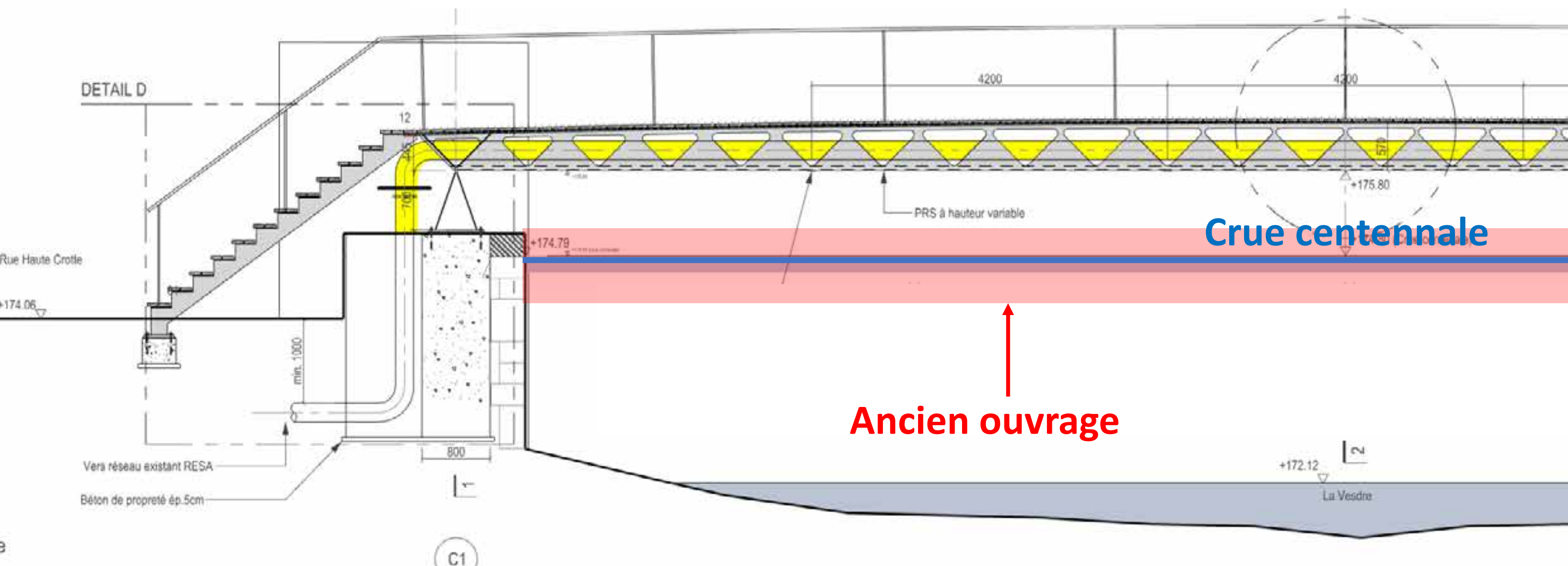
Fil de Fer





* Contreventement 75/20 nécessaire uniquement pour l'éviction possible en passerelle piétonne



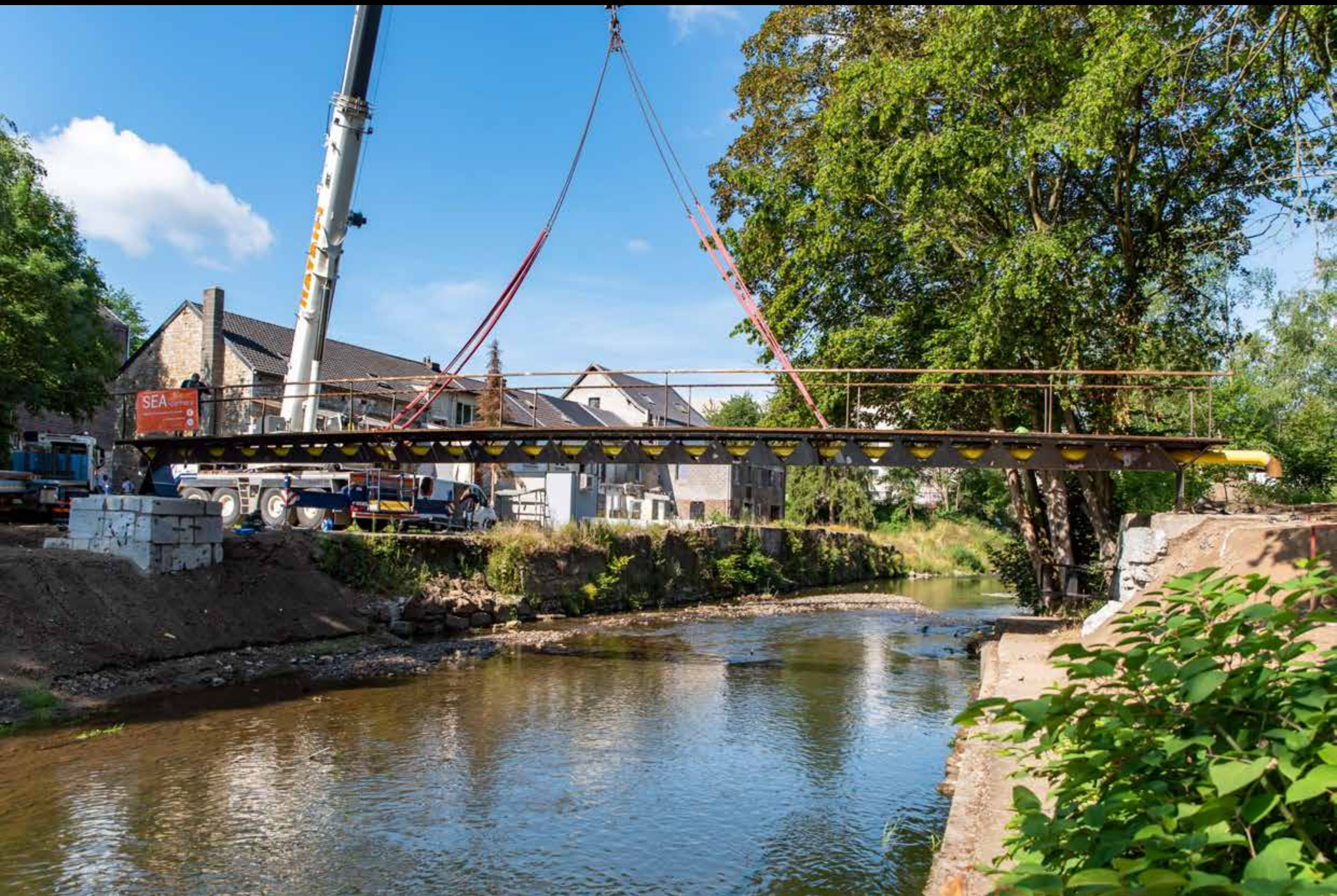


Crue centennale

Ancien ouvrage





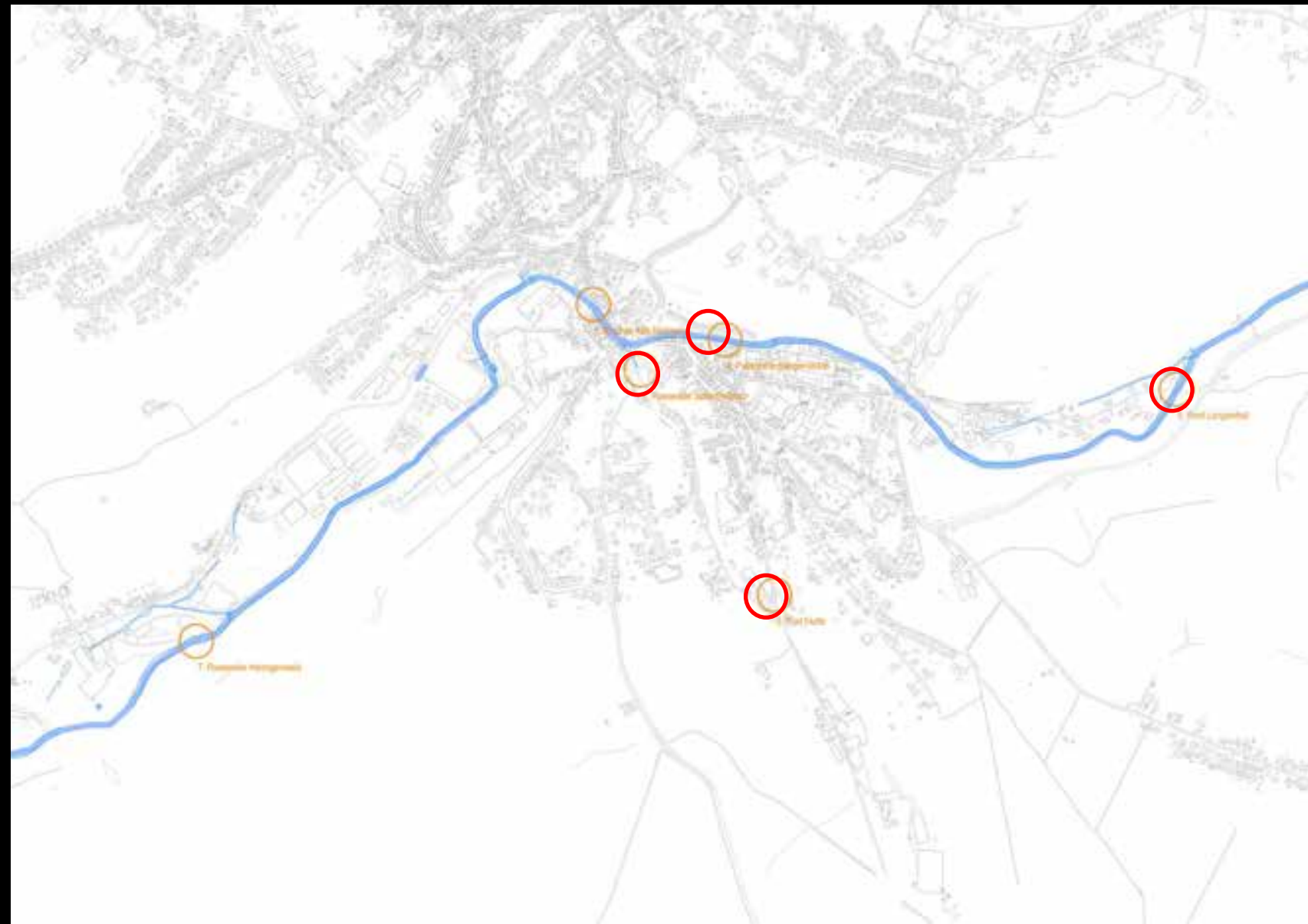




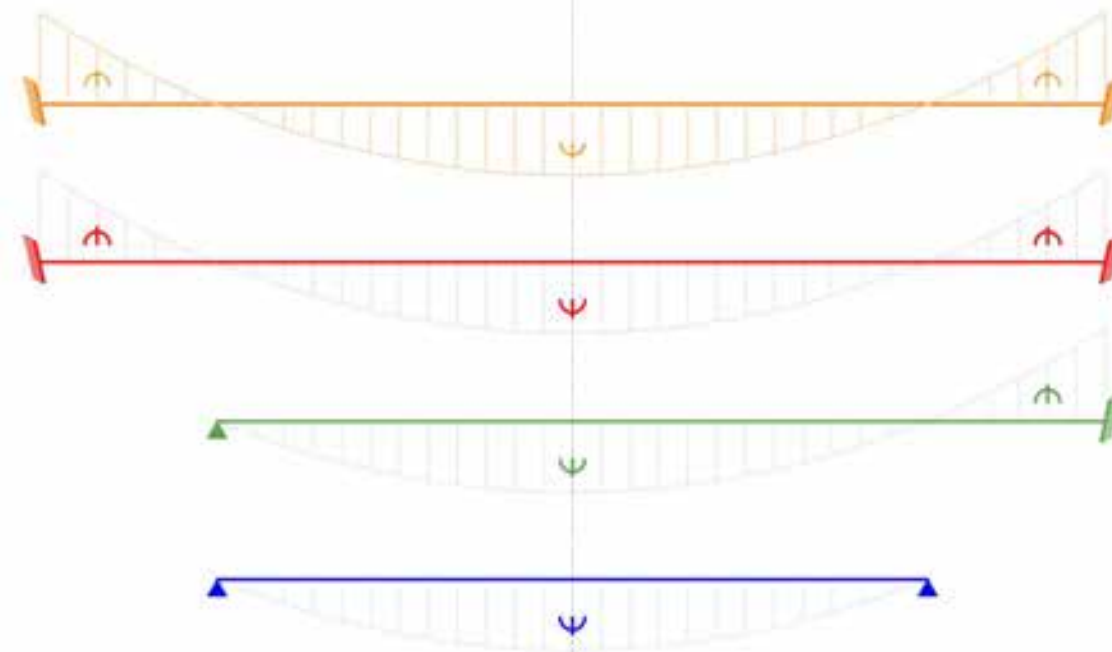


Les Passerelles

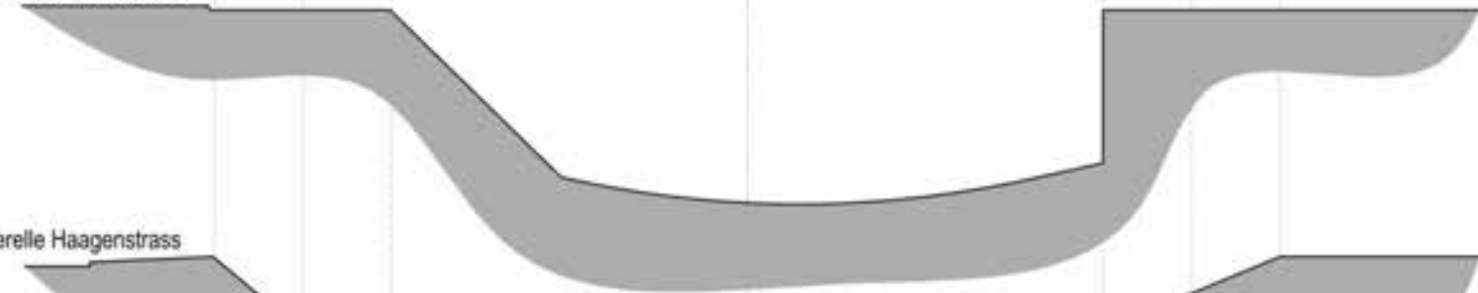
Pont Langesthal
Gulcherstrass
Haagenstrass
Selterschlag







3. Passerelle Gulcherstrass



4. Passerelle Haagenstrass

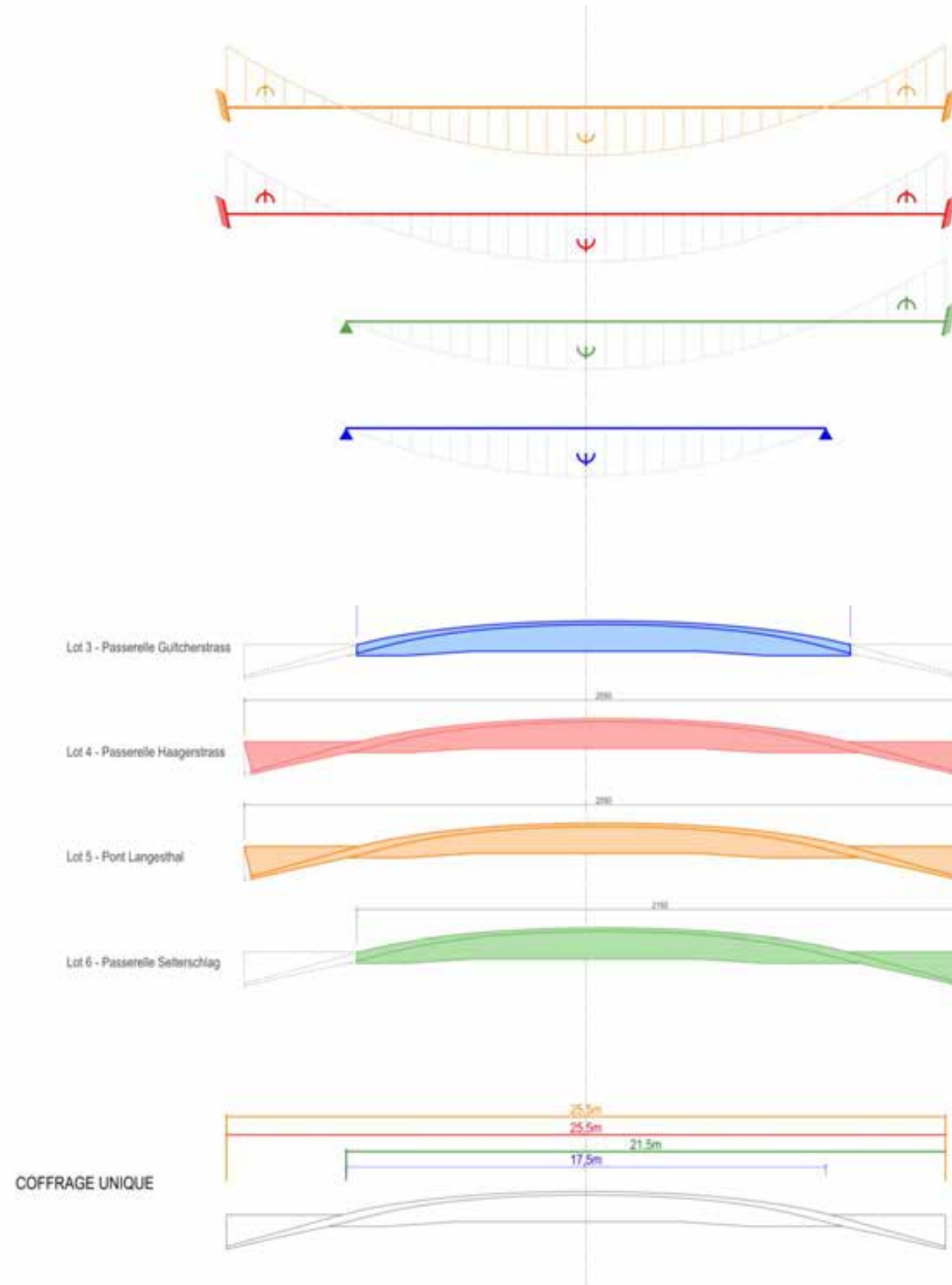


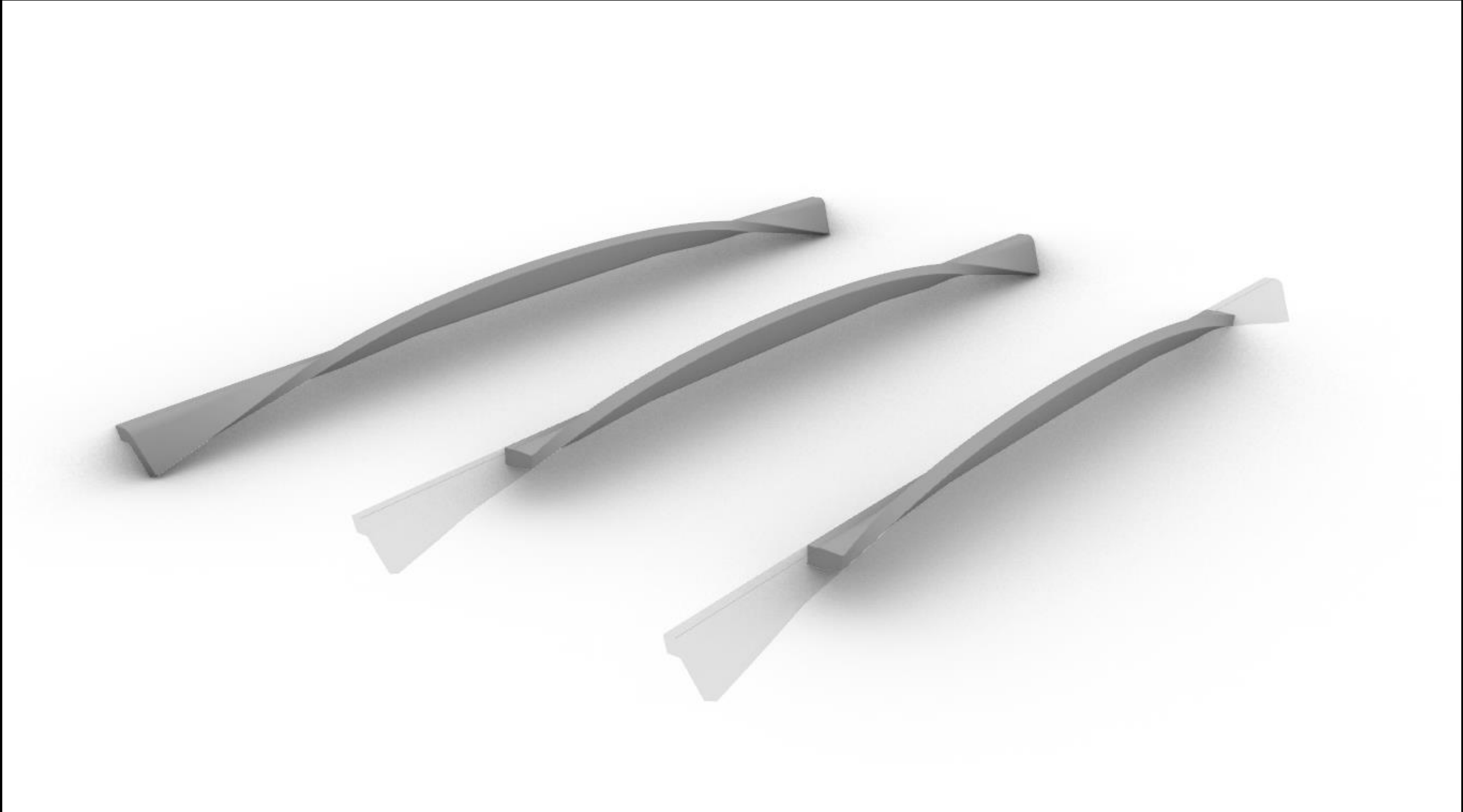
5. Langesthal

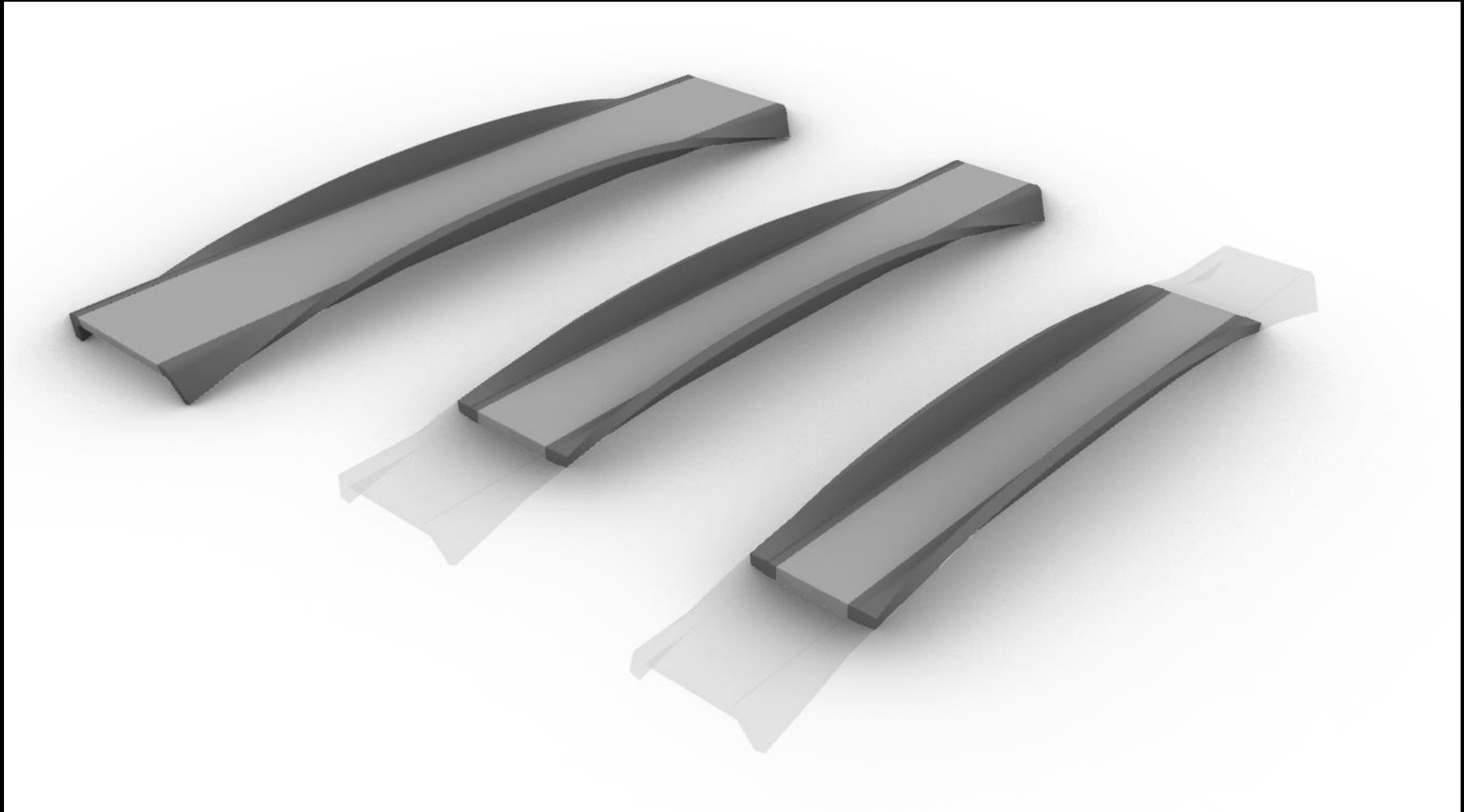


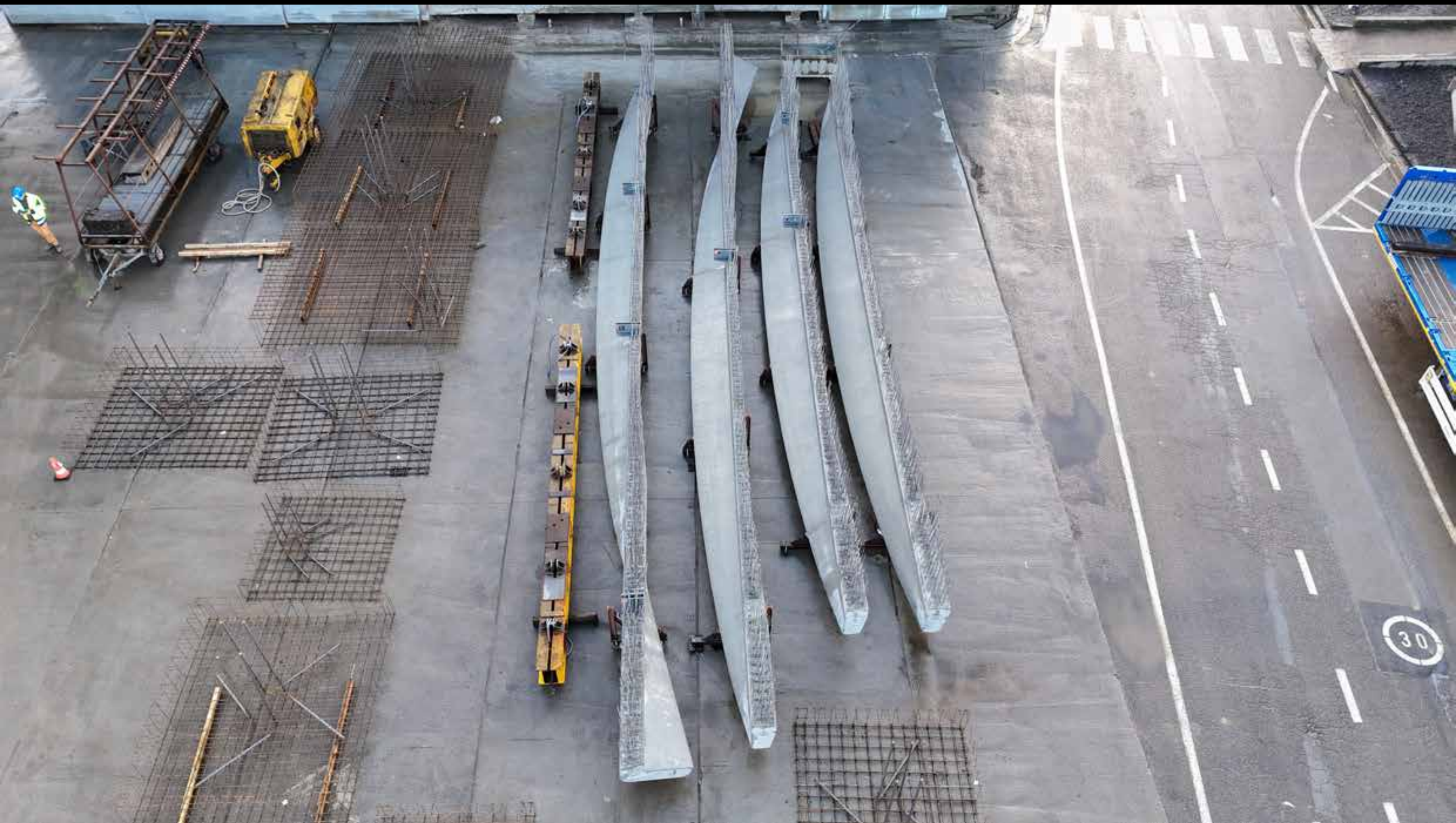
6. Passerelle Scheibelplatz





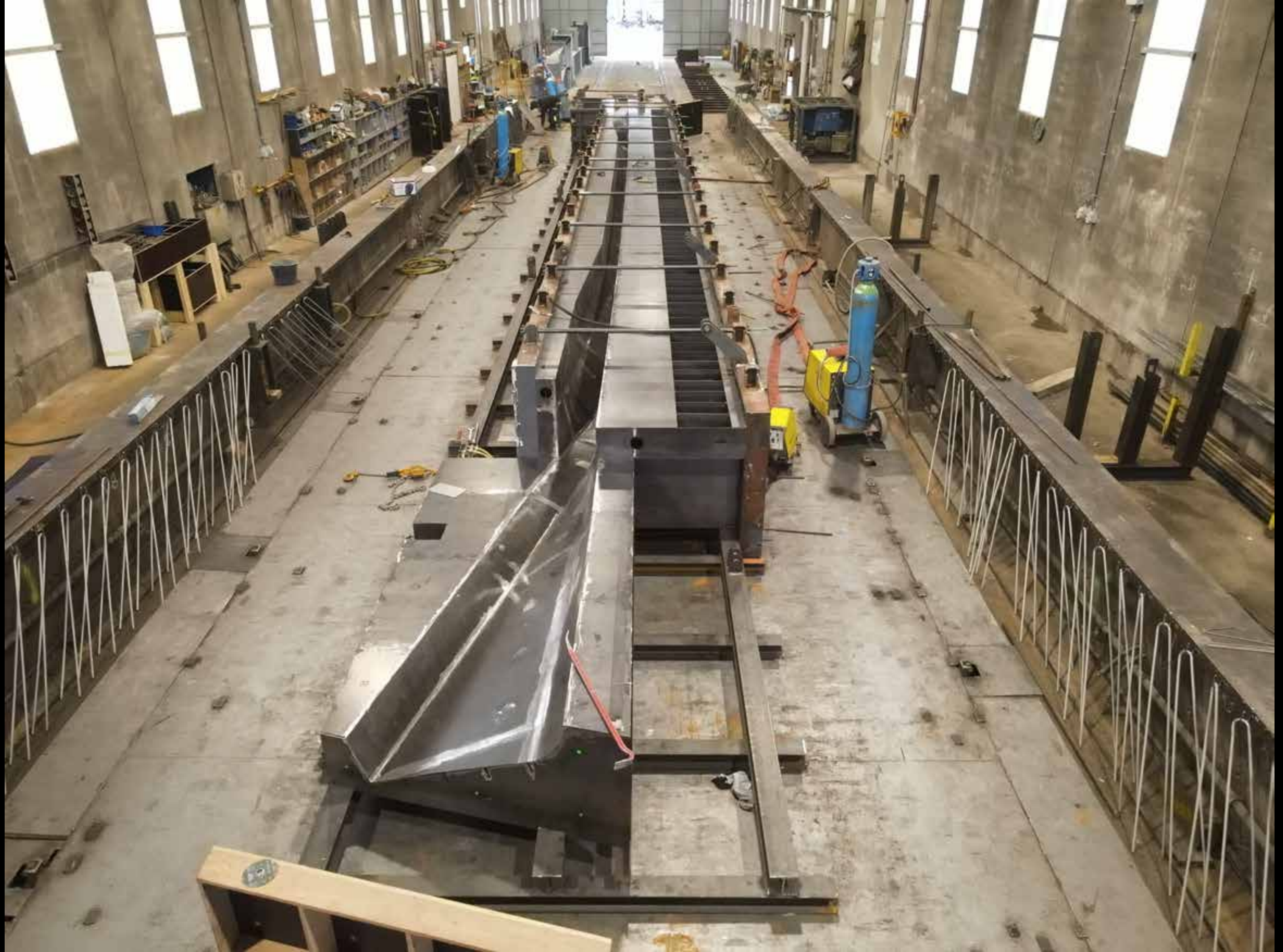




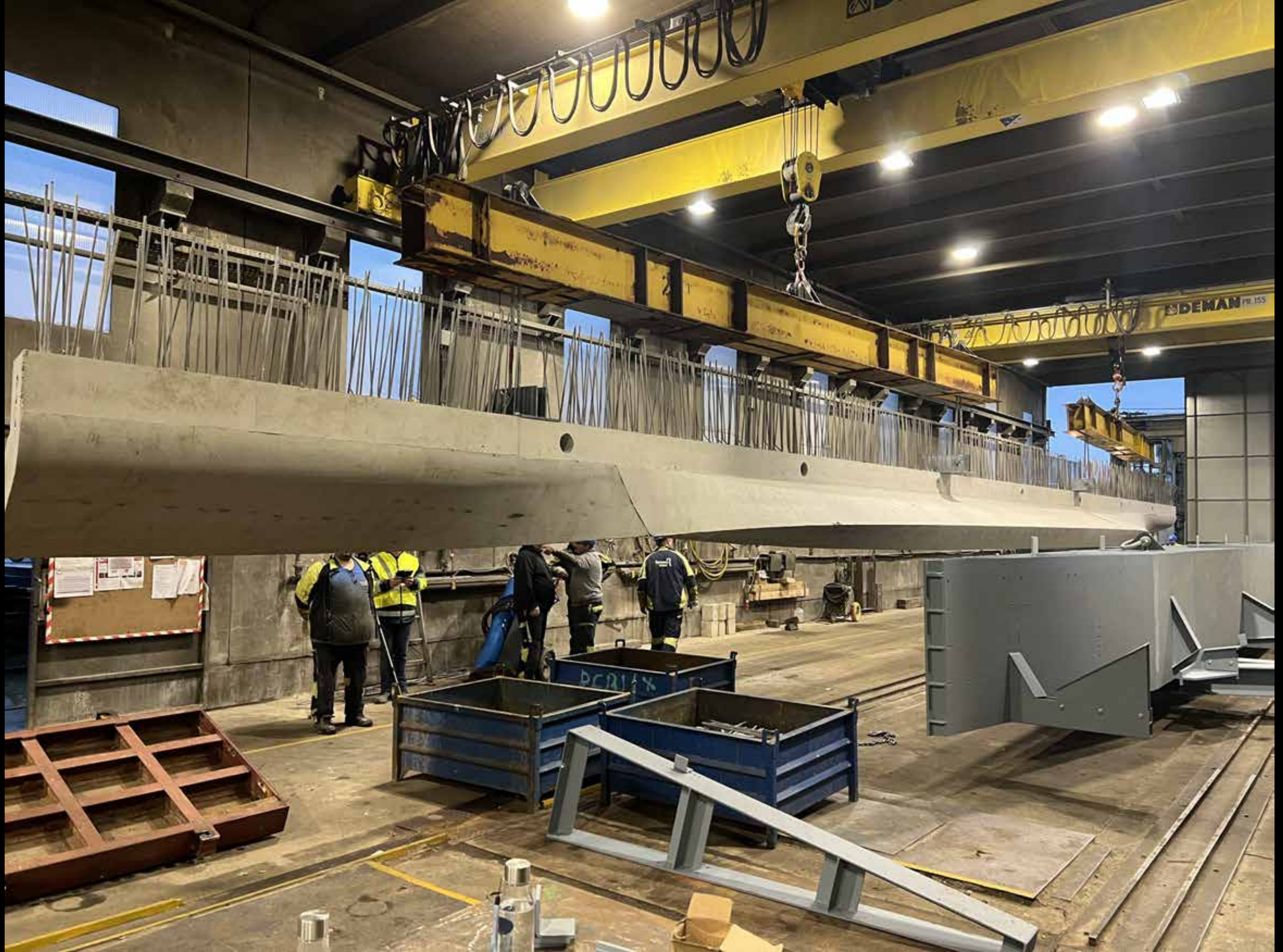


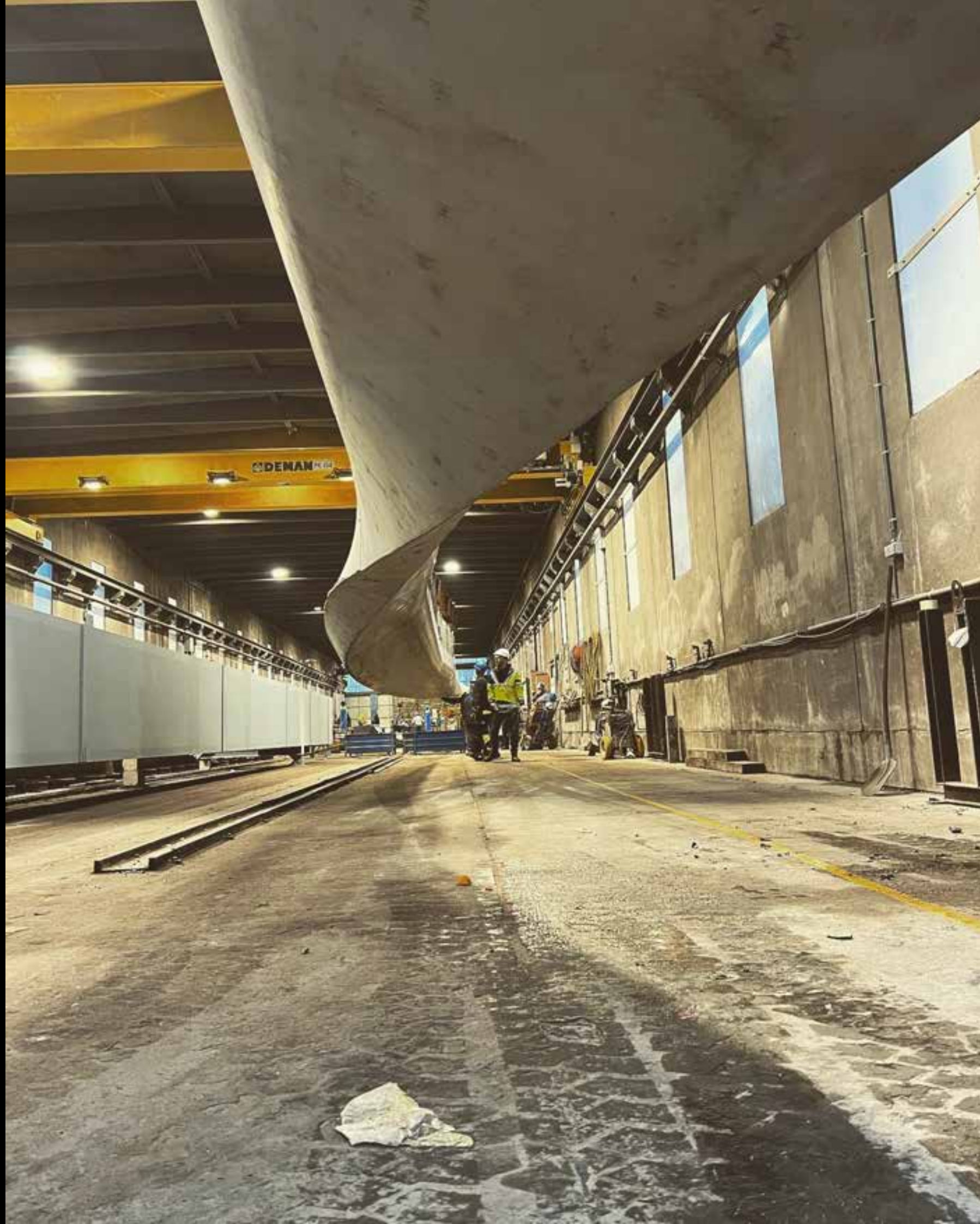


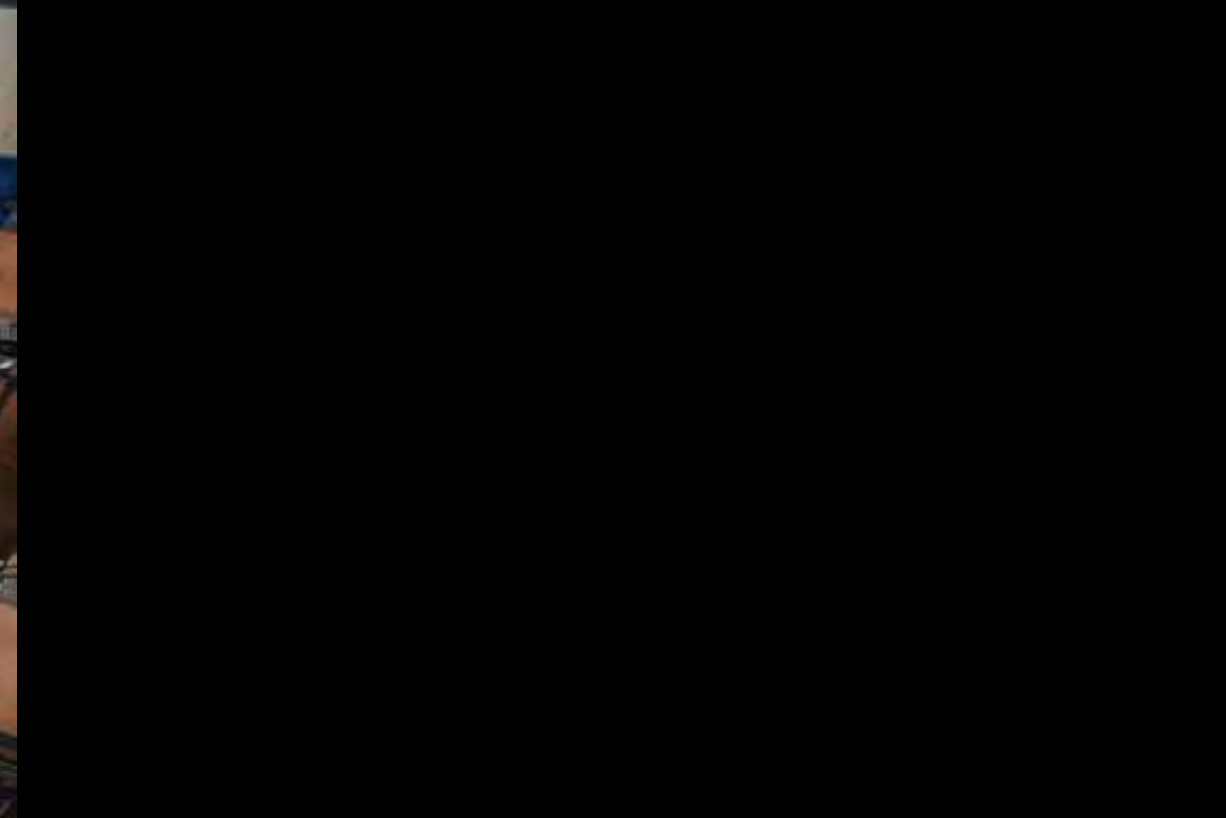






























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- Mars 2024

“ Merci de votre attention ”

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