

TECHNICAL REFERENCE



# Mostaganem Tram



**Mostaganem, Algeria**

**Large Diameter  
Bored Piles**

**Shotcrete**

Cliente :  
Owner :

L'Entreprise du Métro d'Alger (EMA)

Contrattista principale :  
Main Contractor :

ISOLUX CORSAN

Durata dei lavori :  
Duration of works:

04/2015 – 05/2017



## “An added value to the City”

Mostaganem, a city with more than 700.000 citizen, located in the North-West of Algeria, wins under the program of transport modernization launched by the government one of the biggest projects, “the tram”.

Mostaganem Tram is a system of public transportation inside the capital “Dahra”, it is the third city in Western Algeria to own a tram, after Oran and Sidi Bel Abbès.

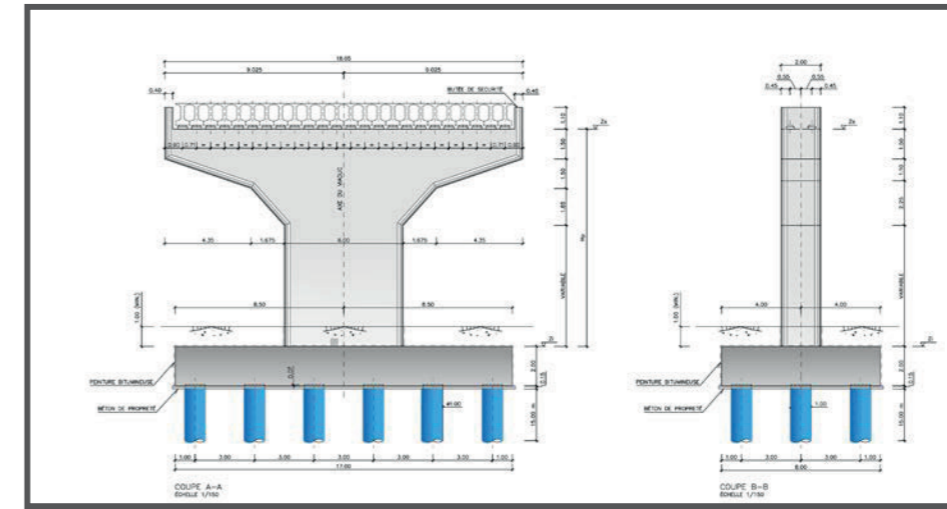
The study was launched by the “Entreprise Métro d’Alger”, while the engineering office was the Turkish YUKSEL PROJ, had as a task to define the densest axis, consists of two lines that extend from the north at Kharouba in front of the university to the south towards the Salamandre distri-

## Geology

The region is characterized by geological sedimentary formations based of ancient consolidated dunes, propeller sandstone, Pliocene sandstone, gardens valley alluvium, Sands from Mostaganem plateau and a sandstone-limestone Shell.

The **eastern section**, going from the city downtown towards the end of the project to the east, crosses exclusively the consolidated ancient dunes.

The **western section**, going from the city downtown towards the end of the project (Salamandre), also crosses the consolidated ancient dunes, then the propeller sandstone and the coastal dunes.



ct where the final station will be in front of the high school Oukraf Mohamed, on a path of 14,2 km composed of 24 stations.

The project was assigned to the Franco-Spanish group CORSAN ISOLUX and ALSTOM then to Cosider in order to finalize the work after the partial termination announced by EMA of the contract with Corsan Corviam and Isolux in September 2017.

The kickstart of the construction work of Mostaganem Tramway was given on September 17, 2013.

As part of this project, Trevi proceeded to perform the special foundation work, mainly the bored piles, the micropiles and the shotcrete.

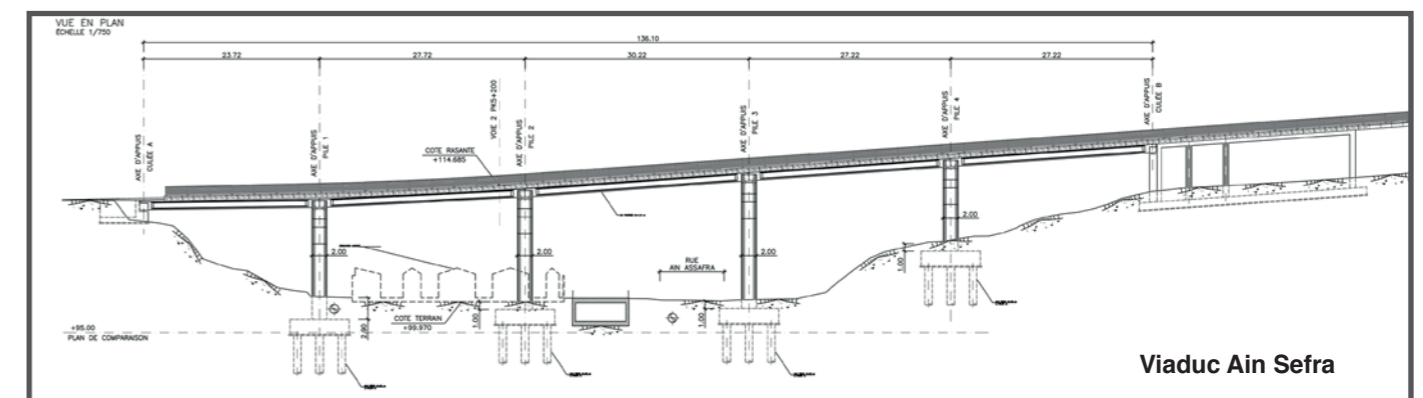
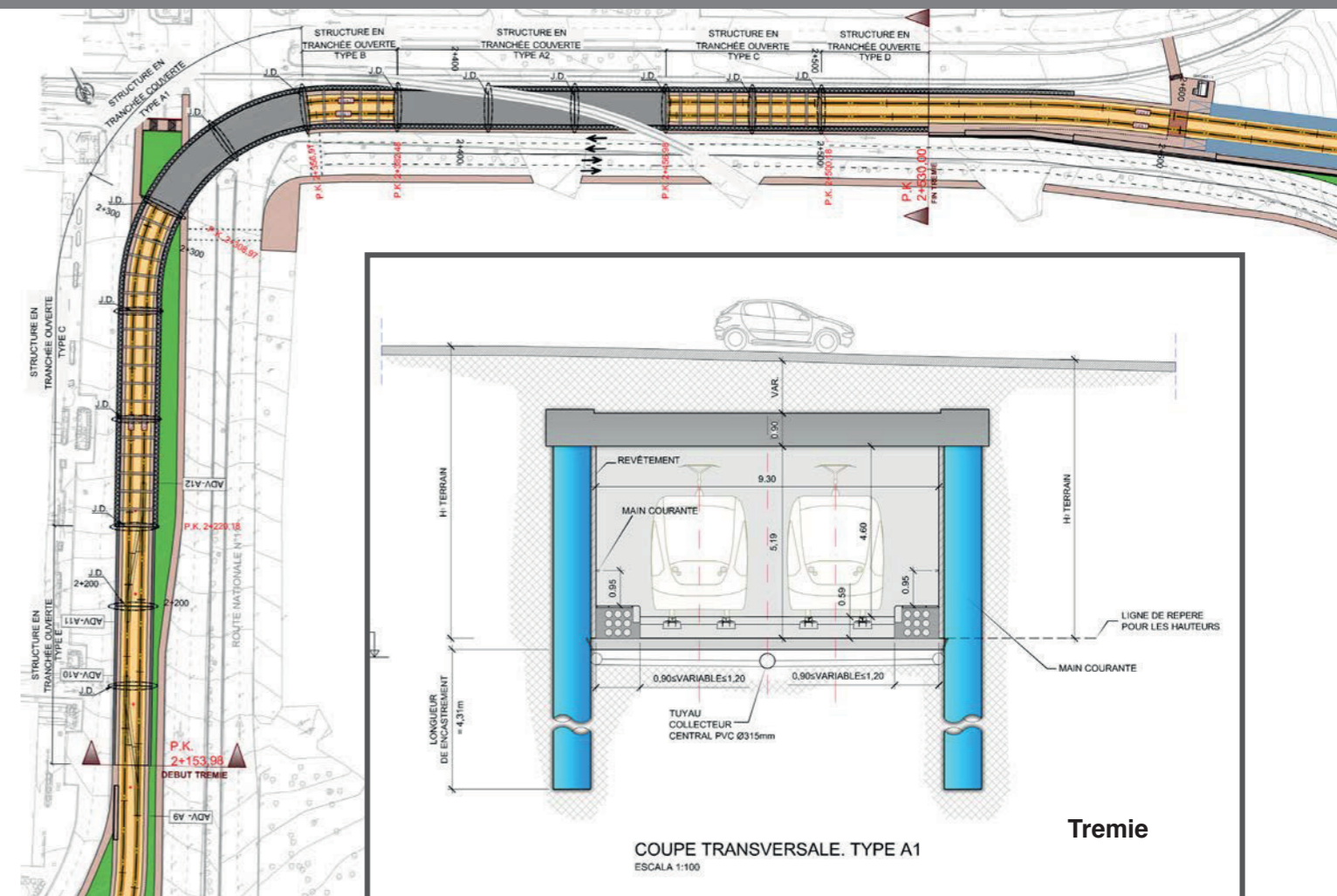
The **southern section**, crosses the sands of Mostaganem plateau.

Mostaganem downtown is dominated by Pliocene sandstone.

## Work performed

Trevi Algerie was in charge of the special work mentioned below:

- 17.545,64 lm of bored piles,  $\varnothing$  1000 mm (1312 unit) for the underpass 1, underpass 2, underpass 3 and Ain Sefra Viaduct;
- 3477,06 m<sup>2</sup> of shotcrete at the underpass 1 level.



Viaduc Ain Sefra



## MOSTAGANEM

- Tram opening 2019
- SNTF (Société nationale des transports ferroviaires algériens)



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