



Intermodal transport studies of the future Kremlin-Bicetre railway hub

CeRyX Traffic System was requested to drive the intermodal transport study of the Kremlin-Bicetre railway hub creation as part of the Grand Paris Express project. CeRyX Traffic System mission was driving a parking and circulation study near of the railway hub.

PROJECT DETAILS AND BACKGROUND

As part of the Grand Paris Express project, the creation of a railway station was decided within the Kremlin-Bicetre hospital. This construction will lead to a traffic growth near of the hospital, and especially on the road Gabriel Peri. It is necessary to :



- Evaluate the existing road design to know if it will be enough to absorb the traffic growth
- Identify the parking issues

The main issue for CeRyX Traffic System is to establish a state of play of the actual traffic and parking situation, and to propose solutions for the problematics of the subway arrival. Missions are:

- To analyse the actual parking situation on road Gabriel Péri and on the related roads
- To analyse the traffic situation on road Gabriel Péri,
- To highlight actual problematics and to propose efficient solutions

ANALYSIS AND METHODOLOGY

- CeRyX Traffic System realised counts for parking studies on the roads Gabriel Péri and roads related to the future railway station. CeRyX Traffic System completed these results with data given by the Val-de-Marne County Council.

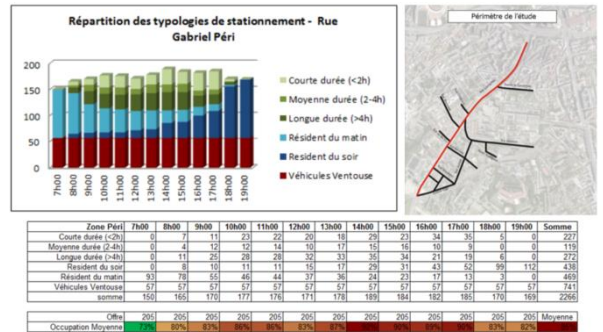
About Parking :

- The vehicle rotation and occupancy survey permits to know that, in the streets of the study area, the turnover rate of the parking space is low. The reasons are the principal use of some of streets for residential functioning and the under-represented convenience store.



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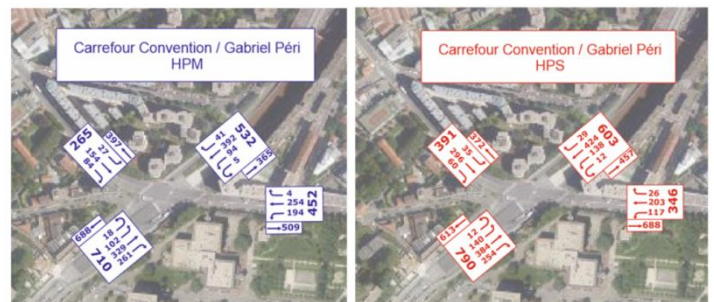
➤ The parking policy set up a profitable fee schedule for the inhabitants of the city. And the same policy is attached on the related cities like Gentilly. Only 20% of users respect the parking policy, which is better than the national average rate around 30%.



About circulation:

The Gabriel Péri circulation study shows that, according to the static plan, some crossroads will be saturated. However, in reality, the interviews realised during the study show an important circulation problem. This different recognition can be explained with several reasons:

- the important number of parking spaces on Gabriel Péri street can block the important circulatory flow
- The closure for people of the teaching hospital entry on Gabriel Péri street can disturb the circulation,
- The closed and saturated highway A6b can also cause riding between lanes



Study perimeter

SOLUTIONS DELIVERED

CeRyX Traffic System proposed a list of reflexions for the next mission phases:

- To maintain a differential parking policy between locals and non-residents to avoid drawdown with the railway station arrival, and being consistent with the parking policy of Gentilly to avoid border effect
- To encourage the parking policy respect to grow the rotation rate and to compensate the twenty parking spaces removal on the Gabriel Péri street (needed to implement the future railway station: momentary pause...)
- To keep a specific road for light-duty vehicles in order to avoid uncontrolled parking close the railway.

Based on these proposals, CeRyX Traffic System had to check the coherence between the urban design scenario in the next phases with the city issues and the transport rules and standards.

