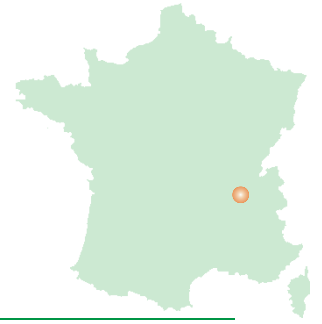




CASE STUDY



GRAND LYON
communauté urbaine

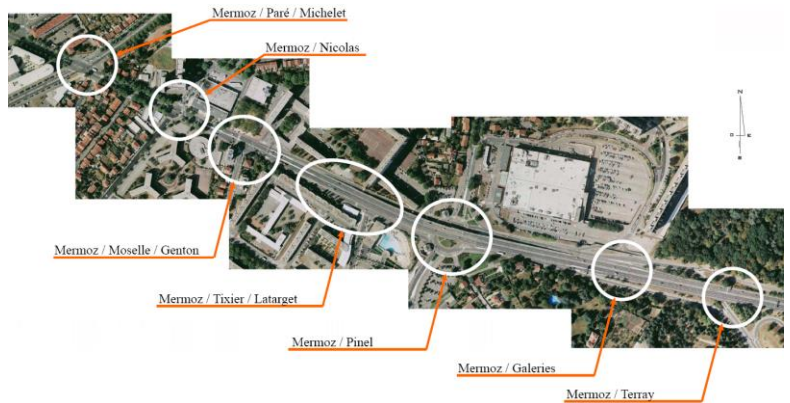
Main contractor market about the requalification of the Viaduc A43 / Mermoz / Pinel area of Lyon city

The Rhone departmental direction of the equipment and the urban community of Lyon assure the prime contracting of the requalification of the A43 / Mermoz / Pinel Viaduc in regards to give the A43 ; located at the west of the highway, the status of boulevard This prime contracting project was assigned to a group of management project, in which CeRyX Traffic System has been in charge of the road study.

PROJECT DETAILS AND BACKGROUND

The main objectives are :

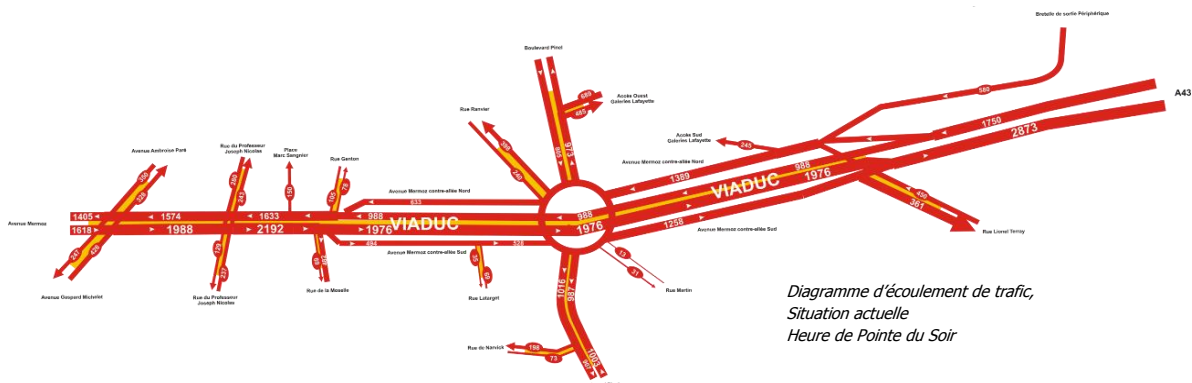
- To open up Mermoz North & South districts and also optimize the living environment of the inhabitants,
- To reinforce the intermodal function of Mermoz-Pinel
- To ensure consistency with the urban politic for public areas treatment



This requalification project concerns 7 intersections, in which 4 of them will have to be created.

ANALYSIS AND METHODOLOGY

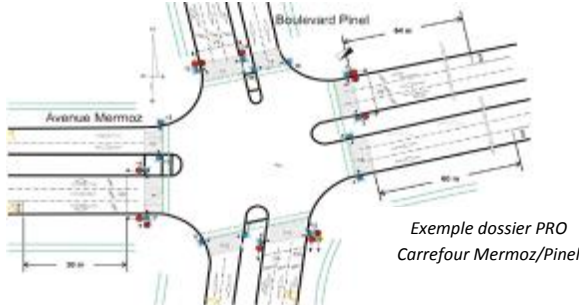
CeRyX Traffic System has first realized the traffic flow diagram on the Mermoz-Pinel sector : synthesis of the actual traffic counting, estimation of the future traffic flow based on the previous study of CETE organization.



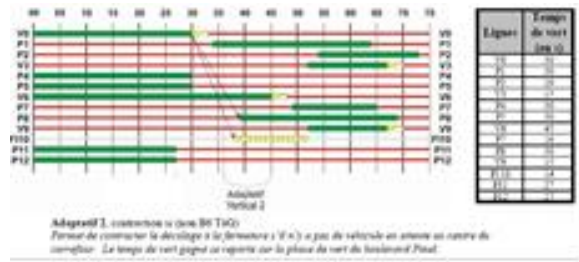


Main contractor market about the requalification of the Viaduc A43 / Mermoz / Pinel area of Lyon city

Thanks to the preliminary project phase, a project folder par crossroad has been established, in which all the provided equipments and functioning was explained : layout plan, clearing times matrix, traffic light plans for morning or evening peak hours, off peak hours, night, dynamic & static equipments balance sheet...



Exemple dossier PRO Carrefour Mermoz/Pinel



Based on folders build in PRO phase, a work estimation has been realized in detail. CeRyX Traffic System has also write technical documents of the tender documents (Unit prices schedule, guide of technical specifications, bill of quantities)

SOLUTIONS DELIVERED

Several urban design variants permit to improve the functioning of crossroads. In order to optimize the traffic flow in the Mermoz avenue, CeRyX Traffic System brings all its traffic regulation expertise on this project, with these proposals:

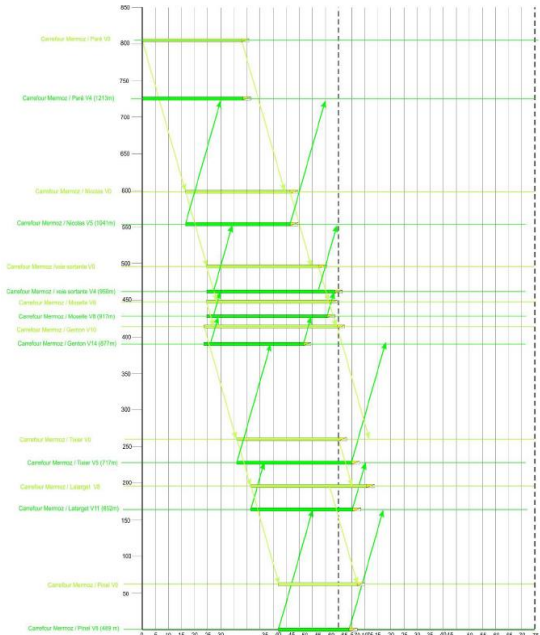
- A cyclic operation of signalised intersections, with a common cycle of 75 seconds
- A traffic light green wave coordination : an incoming flow in the morning, and an outgoing flow at the evening

Finally, the crossroads functioning planned should avoid blocking situations from riding between lanes.

The new urban design of crossroads avenue contribute to make this sector more urban.



Capacités des carrefours à feux - HPS



Ondes vertes - Heure de Pointe du Soir

