Preparation of Road maps

Every day , a supervisor tours transportation company instructs the system to calculate the roadmaps for delivery the next day. For this, the deliveries are divided into geographical areas and all deliveries in the same area are performed by the same deliverer. We recall that each delivery has a time slot giving the arrival times at the earliest and by the delivery man. In addition, the system provides 15 minutes of each delivery stop to unload packages and provide the client. To make it possible to carry out all deliveries in the time slots provided, the subsystem request delivery limits the number of deliveries to be made in the same time slot for the same geographical area . If despite that it is not possible to perform all deliveries scheduled for a time slot, then the Secretary shall contact the affected customers to offer their new time slots. She informed (through the system) the supervisor changes the roadmap accordingly. For each geographical area, the system displays a map of the town the road of the delivery, that is to say the different deliveries to be made and the path to follow for this (enpartant deposit and returning to thereof in accordance with the one-way road) with the time of transit to different delivery points. The supervisor can then rotated interactively modify the roadmap (remove delivery , add a delivery, change a route ...), and have the system set to update transit schedules accordingly. The system notifies the supervisor deliveries for which the hours pass no longer meets the timeframe originally requested by the customer. At any time, the supervisor may request cancellation of amendments to the roadmap. When a road has been validated by the supervisor, the supervisor publishes a paper version for the delivery man. This paper version lists the streets to take, and transit schedules provided for each street intersection