High Speed EZ Pass

This real-time simulation of the relocation of a toll barrier on the New York State Thruway is being worked on collaboratively with Rochester-based Bergmann Associates. This project, sponsored by the New York Thruway Authority, will show various options for a staged implementation of the construction of wider high-speed barriers simultaneously with the deconstruction of existing toll barriers, while routing traffic accordingly until new construction is completed.

At the conclusion of this on-going project, CCR will deliver a high-fidelity real-time visualization of the project that will readily convey to the public the scope of the project as well as the impact any relocated/redesigned barrier would have on the surroundings, including traffic. CCR will also create photo simulations depicting the night-time lighting conditions at several locations near the relocated barriers. To do this, CCR is creating a large-scale overview of the project study area to help people familiarize themselves with the impacted locations including toll facilities, pavement, topography, vegetation and structures within 1000 feet of the toll barrier.

In addition, for each possible scenario, moving traffic will be simulated according to ratio of traffic before and after the new toll barrier construction. The illustration of traffic flow through the barrier will depict volume and queuing based upon delay analyses conducted by traffic simulation engineers.
The entire process will be simulated in real-time in an effort to identify any problems or bottlenecks in the planned procedure, as well as show how construction will occur in various public forums. As was the case with the Buffalo-Niagara Medical Campus, the simulation will run on high-end visualization systems at CCR as well as a laptop computer (for portable presentation purposes). Further, quicktime movies and still images will be available via the CCR web site.