



## GIS TRACKING OF MAJOR CONSTRUCTION PROJECTS IN WESTERN QUEENS – MODELING OF EFFECTS IN 2001 ON EAST RIVER CROSSINGS

The effects of alternate closure plans for the Queens Boulevard Bridge Rehabilitation, scheduled to occur in 2001 and 2002, on East River crossings were evaluated with a micro-assignment model. In order to base the modeling on *actual* available capacity, Konheim & Ketcham determined reductions in capacity that are likely to result from construction projects that affect traffic operations in 2001, the year when the most projects will be underway. It must be noted that reductions in capacity do not result in a linear reduction in volume because most roads have some margin of available capacity even in peak periods. The effects of the closures are surprisingly minimal (and somewhat questionable), due to the inherent tendency of a model to achieve equilibrium, as if drivers have perfect knowledge of available capacity.