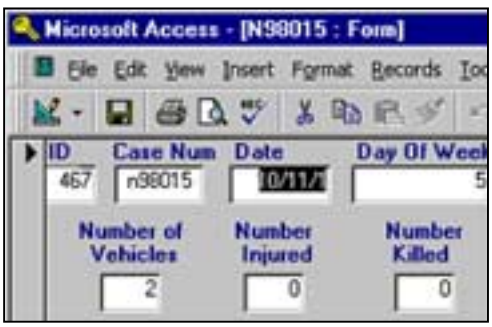
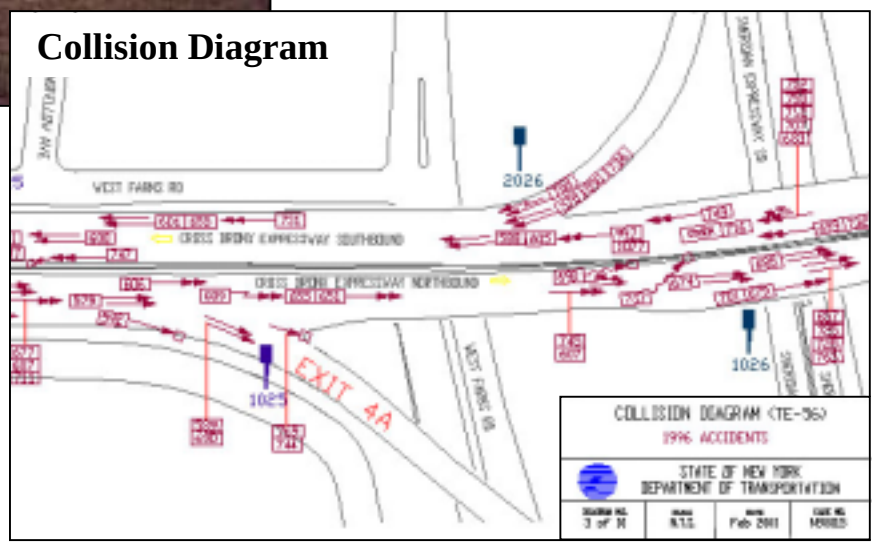
Accident Database





Analysis of High Accident Locations (HALs)

As a subconsultant to Ammann & Whitney, K&K is currently performing High Accident Location studies at ten locations on parkways and expressways in NYSDOT Region 11. The analysis procedures and report format we have developed have been held out as a model by the NYSDOT Region 11 Traffic and Safety Division. A Microsoft Access database, developed by Ammann & Whitney and refined by K&K, is employed to enter accident data quickly and efficiently and analyze it using Access' powerful querying and statistical analysis capabilities. Collision diagrams showing the precise location and type of each accident are constructed in AutoCAD. Causes for observed accident patterns are identified and documented through detailed site visits and the use of in-house aerial photography. Having identified accident causes, K&K develops recommendations for safety improvements and elimination of accident-related geometric deficiencies in the roadway, which are then reviewed and approved by licensed professional engineers at Ammann & Whitney. Over the years, K&K has performed accident analyses at several other NYSDOT high accident locations: the mainline and ramps of the Cross County Parkway in Westchester; two high accident locations on the Grand Central Parkway; one location on the Van Wyck Expressway; seven signalized intersections along the service roads of the Cross Bronx Expressway; the mainline and ramps of the Belt Parkway at Knapp Street; and two upstate locations. In addition, K&K analyzed summary accident statistics to identify the causes and potential remedies for wet roadway accidents at 33 locations along the Belt Parkway in Brooklyn and Queens**,** and to characterize 268 mainline and ramp accidents along the Hutchinson River Parkway in the Bronx.