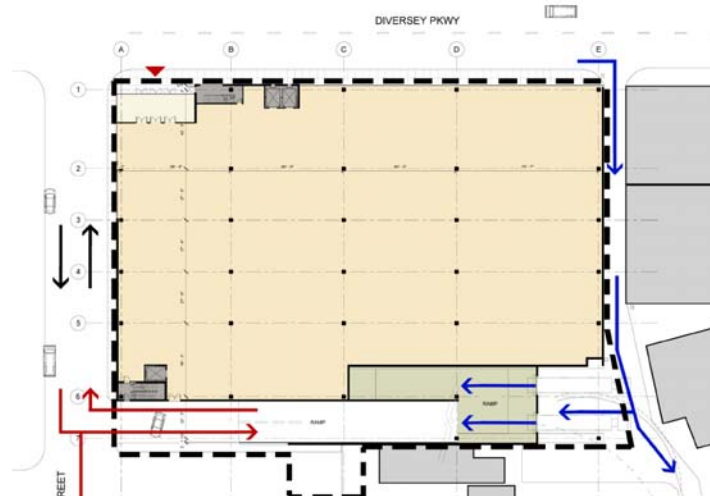


Roundy's Supermarket Traffic Study and Signal Warrant Analysis
Chicago, Illinois



Type: Signal Warrant Analysis and Traffic Study

Project Name: Roundy's Supermarket Traffic Study and Signal Warrant Analysis

City: Chicago

State: Illinois

Client: Roundy's Supermarket, Inc.

Features: Performed a signal warrant analysis at the intersection of Diversey Parkway and Orchard Street applying the signal warrant analysis methodology stated in the Manual on Uniform Traffic Control Devices (MUTCD). Twenty-four hour weekday and weekend traffic counts were performed at this intersection.

Summary: DESMAN Associates was retained to perform a traffic impact analysis and signal warrant analysis for the proposed Roundy's Supermarket at Diversey Parkway and Orchard Street in Chicago, Illinois. The multitude of issues considered in relation to vehicle access include: residential cut-through traffic, the conversion of a one-way street to two-way, and truck access to the dock. Peak hour traffic counts and 24-hour weekday and weekend traffic counts were performed. In assessing the amount of traffic which the supermarket would generate, comparable grocery businesses in similar Chicago neighborhoods were analyzed. The existing utilization of the adjacent alley to the site was reviewed in order to assess the amount of activity it experiences as a throughway. The existing and future traffic conditions were determined and future traffic mitigation improvements were recommended to adequately support both existing and future traffic conditions. A turning simulation analysis was also conducted to determine that trucks could adequately access the truck dock.

WVU Health Sciences Signal Warrant Analysis and Traffic Study

Morgantown, WV

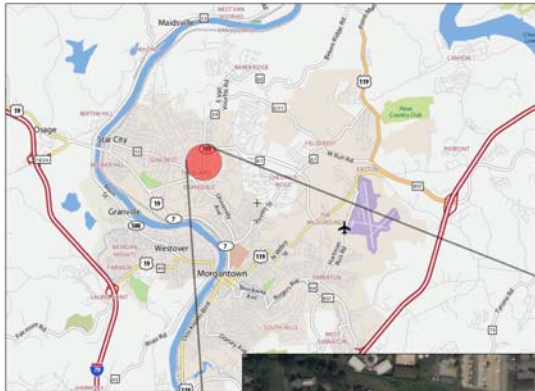


Exhibit 1:
Site Map

West Virginia University
Health Sciences Campus



Type: Signal Warrant Analysis and Traffic Study

Project Name: West Virginia University Health Sciences Signal Warrant Analysis and Traffic Study

City: Morgantown

State: West Virginia

Client: West Virginia University

Features: As part of a Traffic Study at the West Virginia University Health Sciences Campus a signal warrant analysis was performed at the intersection of Van Voorhis Road and the South Driveway to Lot #81. The Average Daily Traffic (ADT) method and the 8-Hour Warrant Analysis from the *Manual on Uniform Traffic Control Devices* (MUTCD) were applied for the analysis.

Summary: DESMAN Associates was retained to prepare a traffic impact analysis of a proposed 780 parking space facility at the West Virginia University (WVU) - Morgantown Health Sciences Campus. The traffic analysis considered the street network adjacent to the planned site of the parking facility including the intersections on Van Voorhis Road (Rt. 705) between Elmer Prince Drive and Chestnut Ridge Road. A total of 5 intersections were included in the analysis. This study was conducted in accordance with guidelines published by the West Virginia Division of Highways – Traffic Engineering Division - *Procedure for Conducting Traffic Impact Studies*. In order to analyze how the entire Van Voorhis Road corridor would operate with future traffic volumes a simulation model was developed. Intersection and street improvement recommendations were provided to accommodate existing and future traffic volumes.