



**PROJECTS**  
Traffic Impact Studies

**PROJECT:** Proposed Hebrew Academy of Cleveland  
Cleveland Heights, Ohio

**CONTACT:** Mr. Ronald Kluchin  
Ronald Kluchin Architects, Inc.  
23215 Commerce Park, Suite 316  
Beachwood, Ohio 44122



**DESCRIPTION:** TMS Engineers, Inc. was retained by the Hebrew Academy of Cleveland to prepare a Traffic Impact Study for a proposed private school development along the west side of Warrensville Center Road at the site of the former Oakwood Country Club in the City of Cleveland Heights, Cuyahoga County, Ohio.

The proposed private school development is expected to consist of pre-kindergarten through grade 12. The campus is expected to serve approximately 600 total students.

Based upon the results of the analyses in the TIS, it was shown that the recommended improvements to the surrounding area roadway network and the proposed traffic control at the new school access locations can accommodate the site generated traffic from the proposed school without significantly impacting the area roadway network.



**PROJECT:** Proposed Swenson's Restaurant – University Heights, Ohio

**CONTACT:** Mr. Robert Cash  
CARDNO  
9800 Southern Pine Boulevard, Suite 1  
Charlotte, NC 28273



**DESCRIPTION:** This traffic impact study was prepared at the request of CARDNO for a proposed Swenson's Drive-In restaurant. The project site is located in the City of University Heights, Cuyahoga County, Ohio along the south side of Cedar Road between South Green Road to the west and Fenway Drive to the east.

The proposed restaurant is expected to consist of a 1,716 square foot building and the surrounding parking lot to serve patrons. The restaurant does not have a drive-through window or indoor seating. Patrons are served at their vehicle.

Based upon the results of the analyses in the TIS, it was shown that the site generated traffic from the proposed development could be accommodated without adversely impacting the adjacent area roadway network.

**PROJECT:** Proposed K-12 School – Beaver Local School District

**CONTACT:** Mr. Dallis Dawson  
Dallis Dawson & Associates  
16165 St. Clair Avenue  
P.O. Box 2568  
East Liverpool, Ohio 43920



**DESCRIPTION:** Dallis Dawson and Associates in coordination with TMS Engineers, Inc. were hired by the Beaver Local School District to prepare a Traffic Impact Study for the proposed redevelopment of the Beaver Local Middle School site in Columbiana County, Ohio. The redevelopment of the site included the removal of an existing middle school facility which was replaced with a new K-12 school.

The new K-12 school consolidated 5 existing schools in the district at one site. The Beaver Local School District was comprised of three elementary schools, one middle school, and one high school.

Based upon the results of the analyses in the TIS, it was shown that the recommended improvements to the surrounding area roadway network and the proposed traffic control at the new school access locations can accommodate the site generated traffic from the relocated and consolidated schools without significantly impacting the area roadway network.





**PROJECTS**  
Traffic Studies

**PROJECT:** Clifton Boulevard Road Diet / Multi-Purpose Lane  
Lakewood, Ohio

**CONTACT:** Mr. Bryce Sylvester, AICP  
City of Lakewood  
12650 Detroit Avenue  
Lakewood, Ohio 44107



**DESCRIPTION:** TMS Engineers, Inc. performed data collection and traffic analysis for a proposed road diet and creation of a multi-purpose lane along Clifton Boulevard in the City of Lakewood, Ohio. The project area is located between Lake Road to the west and West Clifton Road to the east.

The report was structured for the following purposes:

1. To adequately assess the traffic impacts associated with the proposed road diet and to identify the level of study area access and traffic
2. To provide a comprehensive analysis which evaluates and documents the traffic impacts and any necessary improvements, where warranted
3. To provide a technically sound basis to identify mitigation requirements to traffic impacts created by the road diet and creation of the multi-purpose lane.

**PROJECT:** West High Avenue (State Route 39)  
New Philadelphia, Ohio

**CONTACT:** Mr. Harry D. Matter, P.E., P.S.  
Civil Design Associates, Inc.  
1760 Brightwood, S.E.  
New Philadelphia, Ohio 44663



**DESCRIPTION:** A Traffic Engineering Study (TES) was prepared at the request of Civil Design Associates, Inc. for West High Avenue (State Route 39). The study area is located along West High Avenue from Bluebell Drive to the west and 11<sup>TH</sup> Street to the east in the City of New Philadelphia, Tuscarawas County, Ohio. The TES also included the analysis of a proposed Menards home improvement store at the north end of Bluebell Drive.

The analyses determined that a road diet and the addition of bicycle lanes to the section of Clifton Boulevard under study was a feasible project that could be accommodated by the study area roadway network.

The TES resulted in a series of recommendations to the study area roadways to better accommodate the movement of vehicular and pedestrian traffic in the study area.



**PROJECT:** Purpose & Need Study – Mayfield Village

**CONTACT:** Mayor Bruce G. Rinker  
Mayfield Village  
6622 Wilson Mills Road  
Mayfield Village, Ohio 44143



**DESCRIPTION:**

The purpose and need study was prepared at the request of Mayfield Village in order to evaluate potential signal upgrades to the two major corridors within the Village. Due to numerous concerns including excessive energy consumption, environmental emissions, maintenance requirement and compliance with current design codes, the project reviewed existing conditions and made various recommendations to improve the overall efficiency of the signal systems within the Village.

The report recommended the installation of ADA compliant curb ramps at seven (7) intersections along with the installation of LED lenses at 6 signalized intersections. The LED lenses will allow uninterrupted power supplied to be provided to each of these intersections. The report also recommended the installation of an advanced central traffic control system in order to bring all existing signal controllers under a single operational system.