

BOARD OF COUNTY ROAD COMMISSIONERS
OF THE
COUNTY OF ST. CLAIR

SUBJECT: Traffic Impact Studies

ADOPTED: December 9, 1999

INFORMATION:

A traffic analysis is a specialized study that assesses the effects that a particular development will have on the surrounding transportation network. A traffic impact study will vary in range and complexity depending on the type and size of the proposed development.

Traffic impact studies should be an essential part of the development review process to assist developers, local governments, the Road Commission and the Michigan Department of Transportation in making land use decisions, such as annexations, subdivisions, rezonings special land uses, and other development reviews, where the proposal may have a significant negative impact on traffic and transportation operations. Ultimately traffic impact studies could be used to help evaluate if the scale of development is appropriate for a particular site, to provide safe and efficient access and traffic flow.

TRAFFIC IMPACT STUDY REQUIRED:

A traffic impact study is required for any proposed development expected to generate over one hundred (100) peak-hour directional trips. The study shall be completed and sealed by a licensed professional engineer. The attached Table 1 gives examples of land use that is expected to meet or exceed the 100 peak-hour directional trip threshold.

A traffic impact study should include:

1. A narrative summary at the beginning of the report, including, but not limited to:
 - A. The applicant and project name.
 - B. A location map.
 - C. The size and type of development.
 - D. Generated traffic volumes based on type and size of land use that are compatible with those listed in the Institute of Transportation Engineers - publication, Trip Generation, (current edition).
2. Project phasing identifying the year of development activities per phase and proposed access plan for each phase.
3. A transportation system inventory that describes the physical, functional and operational characteristics of the study area highway system and, where appropriate, locate transit services. The description should provide, where pertinent, data on:
 - A. Peak hour volumes (existing and projected)
 - B. Number of Lanes

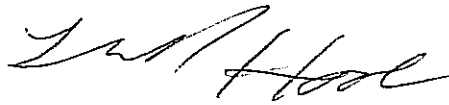
- C. Cross-section
- D. Intersection traffic signals and configuration
- E. Traffic signal progression
- F. Percentage of heavy trucks
- G. Adjacent access point locations
- H. Jurisdiction
- I. Grades

4. Plan showing proposed roadway per phase for each access. Driveway design and roadway improvements shall meet St. Clair County Road Commission and/or Michigan Department of Transportation (as applicable) standards and guides.
5. Capacity analysis shall be performed at each access point. Default values shall not be used when actual values are reasonably available or obtainable. The interaction of conflicting traffic movements shall be addressed in the traffic impact study. Any proposed signalized access within ½ mile of an existing signalized intersection shall be analyzed in coordination with the existing signal timing. A time-space diagram should also be included.
6. A traffic impact study on the county road shall be analyzed with and without the proposed development on the existing system, and with the proposed development for both existing and projected traffic volumes.

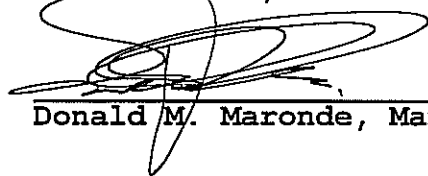
The traffic volumes for the development shall assume a total build out.

The completed analysis shall be summarized in a table showing all the Measures of Effectiveness (MOE) for all of the above conditions.

7. Required operational changes shall be part of the permit approval process.



Leonard Hool, Chairman



Donald M. Maronde, Managing Director