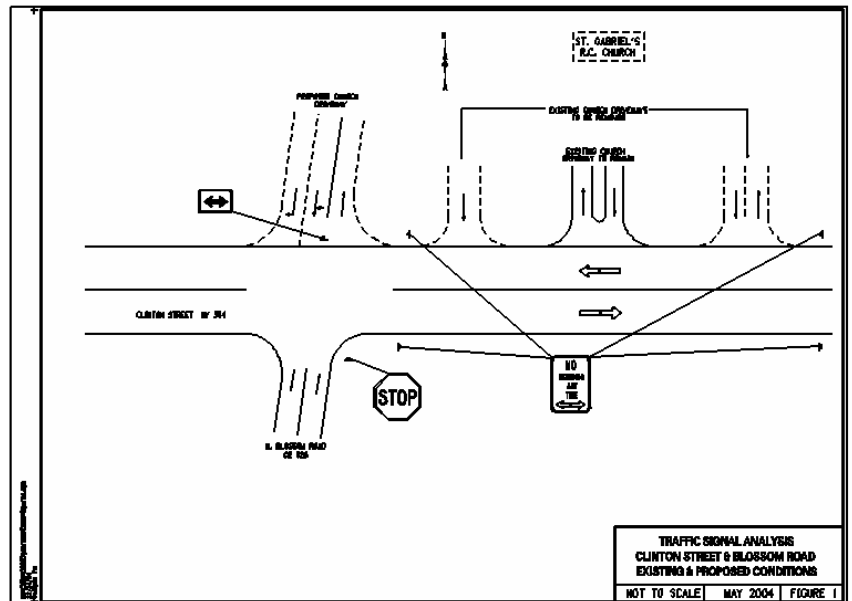




ST. GABRIELS R.C. CHURCH TRAFFIC STUDY



Watts Engineers evaluated the traffic implications to a NYS Highway due to alterations and additions to the St. Gabriels R.C. Church site located on 5271 Clinton Street in Elma. The project included reconstruction of the front portion of the church, construction of an additional parking lot on a parcel purchased to the west, construction of a new wastewater disposal system, construction of stormwater management facilities, and demolition of two existing driveways in front of the church.

Owner:

St. Gabriels R.C. Church

Location:

Town of Elma, Erie County

Completion Date:

2003

Services:

- *Traffic Analysis*
- *Traffic Survey*
- *Traffic Counting*
- *Accident Analysis*

Manual and tube traffic counts of existing conditions were collected, computer analysis of intersection turning movements was performed, and predictions were made about the effects on the NYS highway safety and Level of Service (LOS). Watts Engineers prepared a report and assisted in the presentation to the Town of Elma Planning Board for approval of the proposed improvements.

The evaluation of observed traffic data indicated that the proposed reconfiguration of the driveways would result in a modest improvement in traffic flow during peak hours. In addition, the revised alignment would limit queuing for eastbound traffic to two locations instead of the current three. The effect of these improvements would reduce motorist confusion and provide a more orderly and safe traffic operation.