

JAMES C. JEFFERY III, P. E., P.T.O.E.
Traffic and Civil Engineering Consulting Services
CURRICULUM VITAE ATTACHMENT

Detailed Description of Experience and Expertise

Traffic Engineering

Highway Design

Designed streets and highways, including signing and striping
Provided peer review of geometric design of streets and highways
Performed preliminary roadway engineering, including analysis of alternatives with accompanying cost estimates
Conducted sight distance investigations
Determined the best solutions for traffic access to subject site; recommended modifications to access solutions proposed or provided by public agencies
Determined appropriate traffic control devices, including speed humps
Designed traffic control plans for construction zones

Plan Line Studies

Reviewed survey information and existing improvements
Prepared plan lines showing the ultimate right-of-way, curb, gutter and sidewalk, utility easements, medians and roadway cross sections; cost estimates included

Traffic Signal Design and Traffic Systems

Designed and redesigned traffic signal installations
Optimized traffic signals using SOAP, Passer II, TRANSYT 7 and other computer programs
Determined potential regional air quality produced by optimizing region's signalized intersections

Transportation Engineering Studies

Recommended neighborhood traffic control measures in order to mitigate adverse thru traffic in a residential area
Created School Area Pedestrian Safety Policy
Conducted counter programs, license plate surveys, road condition surveys and parking surveys