

DLS Consulting

Traffic Engineering Services

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DAVID L. SPEAR, P.E.

Position: Principal Engineer

Education: B.S. Civil Engineering - University of Colorado - 1983
M.S.C.E. Transportation & Urban Engineering - University of Connecticut - 1994

Active Registration: Professional Engineer - 1989/CT, MA & NY

Mr. Spear is the Principal Engineer and owner of **DLS Consulting** which specializes in Traffic and Transportation Engineering. His 22 years of experience are in both private development and public transportation. He has worked on very large scale projects such as interchanges between interstates, design of new interstate sections, the development of large computer modeling networks and the design of very complex signal network coordination. Mr. Spear has managed numerous traffic studies in the New England area for various residential, retail and office park developments ranging in size from 5,000 square feet to 2,000,000 square feet. His projects have been completed for developers, towns and the State of Connecticut.

A partial listing of his professional associations, publications and completed projects follows:

ITE Technical Committees:

Committee #2-39 "Transportation Engineering Textbook Needs."

Committee #5B-30 "Regulatory Traffic Control Devices at Locations with Adverse Geometrics."

Publications:

"Development and Application of Lotus 1-2-3 Electronic Spreadsheets for Analysis of Five Leg Signalized Intersections Using the 1985 Highway Capacity Manual Methodology." David L. Spear, Institute of Transportation Engineers, 1990 Compendium of Technical Papers.

Review of the traffic aspects of various proposed developments for Town and private clients.

Preparation of a Zone Change and a State Traffic Commission Certificate application for a 1,500 unit residential complex or 1.5 million square foot office park in Middletown/Cromwell, Connecticut.

Town, STC Certificate and Encroachment Permit approvals were obtained for Phelps Brook Golf Course in North Stonington, Connecticut. Traffic studies for Loon Brook Inn and golf course in Colebrook, Connecticut.

Pasco Village/Pasco Commons Roadway Improvements. Completed signal improvement plans, revised pavement marking and signing plans and an easement plan in conjunction with a State Traffic Commission Certificate approval for expansion to include office condominiums at Pasco's on Route 5 in East Windsor.

Comprehensive analysis of East Hartford roadways and intersections in conjunction with a traffic study and State Traffic Commission Certificate application for Commerce Center II, a 2,000,000 square foot business park.

Traffic studies for the Monodnack Mall in Keene, New Hampshire and the Litchfield Hills Mall in Torrington, Connecticut - both malls over 1.5 million square feet.

Completed traffic engineering and signal design for the Reconstruction of Existing Route U.S. 7 from Wolfpit Road to Olmstead Hill Road in Wilton, Connecticut, State Project No.'s 161-118 and 161-124. Alternatives analyses were completed for 10 intersections to determine lane arrangements and storage length requirements. Signal plans for 11 intersections including interconnection are currently under final design.

Completion of preliminary and final signal design on the Waterbury, Greenwich and Ansonia signal system projects.

Completed traffic engineering and signal design for the Reconstruction of River Road and Multi-Use Trail, Project No.'s 51-252 and 51-254.

Revision of the Kenosia Avenue at Backus Avenue signal plan in Danbury, Connecticut.

Intersection and signal improvements (in metric units) for the Connecticut Department of Transportation at Route 53/Route 57/Kings Highway in Westport and Route 183/Middle School Drive in Torrington, Connecticut.

Traffic Signal Modernization and Upgrading for over 120 intersections in 35 communities in Connecticut.

Completion of alternatives analysis for I-95 interchange 42 in West Haven and for the Route 7 terminus in Norwalk, Connecticut.

Town of Orange Intersection and Roadway Studies at nine Town selected intersections. Existing conditions were inventoried and alternative improvement plans for each location were prepared and presented to the Town and at a public hearing.

Lambert Road Traffic Study was completed for the Town of Orange for Lambert Road from Boston Post Road (Route 1) to Orange Center Road (Route 152). An inventory of existing conditions including speed studies and a license plate survey showing the amount of cut-through traffic was completed. Traffic calming measures were recommended for speed reduction and for through volume reduction.

Completion of a corridor study of Route 229 in Southington, Connecticut for the Town of Southington in connection with Lake Compounce Festival Park concert traffic. This project included the study of all intersections between Lake Compounce and I-84 with the traffic associated with concert with attendance numbers from 5,000 to 20,000 in 5,000 increments. The maximum threshold attendance size was determined based on the ability of the corridor to accommodate the traffic with acceptable levels of service.

Preparation of a Corridor Study of Route 154 for the Town of Essex, Connecticut. This study included projections of three levels of development of the remaining, undeveloped property in the Route 154 corridor based on existing zoning under three full build-out time horizons. Based on the various scenarios, roadway requirements needed to provide acceptable traffic operations were identified. In addition, potential changes to the zoning regulations were identified that would help to reduce future levels of traffic growth in the corridor.

Preparation of Traffic Impact Studies and/or State Traffic Commission Certificate applications for developments in Andover, Avon, Barkhamsted, Bloomfield, Bolton, Branford, Bridgeport, Bristol, Burlington, Canterbury, Canton, Chaplin, Cheshire, Clinton, Colchester, Colebrook, Cromwell, Danbury, Darien, Derby, East Granby, East Hampton, East Hartford, East Haven, East Windsor, Enfield, Essex, Fairfield, Farmington, Guilford, Glastonbury, Greenwich, Haddam, Hartford, Higganum, Lisbon, Manchester, Marlborough, Meriden, Middletown, Naugatuck, New Britain, New Hartford, New Haven, Newington, New London, New Milford, North Branford, North Haven, Norwalk, Old Saybrook, Orange, Plymouth, Putnam, Rocky Hill, Scotland, Shelton, Simsbury, Somers, Southington, South Windsor, Stamford, Stratford, Suffield, Thomaston, Torrington, Vernon, Wallingford, Waterbury, Watertown, West Hartford, Westport, Wethersfield, Willimantic, Wilton, Winchester, Windham, Windsor and Windsor Locks, Connecticut; Brockton, Fitchburgh, Haverhill, Tewksbury and Westborough, Massachusetts; Flower Hill, Garden City, Great Neck, Newburgh, Plainview, Syosot, West Hempstead, New York; Keene, New Hampshire and Warwick, Rhode Island.