



November 10, 2011

Town Offices
Town Administrator's Office, Room No. 307
37 Shattuck Street
Littleton MA 01460

Re: Proposal for Peer Review of Traffic Impact and Access Study (TIAS)
15 Great Neck Road, LLC Comprehensive Permit Development

Dear Sir/Madam:

Professional Services Corporation, PC (PSC) proposes to conduct a Peer Review of Traffic Impact and Access Study (TIAS) for the 15 Great Neck Road, LLC Comprehensive Permit Development. The TIAS is available on the Town website and it identifies and evaluates the impacts of traffic generated by 200 apartment units.

5.1 PERSON WITH THE PRIMARY RESPONSIBILITY FOR PERFORMING THE WORK

The person with the primary responsibility for performing the work will be the following:

Thomas C. Houston, AICP, PE

5.2 EDUCATIONAL AND PROFESSIONAL CREDENTIALS OF THOMAS C. HOUSTON, AICP, PE

The educational and professional credentials of Thomas C. Houston, AICP, PE who will be primarily responsible for performing the work are as follows:

Mr. Houston is a registered Professional Engineer (PE) in Massachusetts and Rhode Island and is a member of the American Institute of Certified Planners.

Ten Lincoln Road
Suite 201
Foxboro, Massachusetts 02035

Tel. 508.543.4243
Fax 508.543.7711



Town Administrator's Office, Room No. 307
November 10, 2011
Page 2

Mr. Houston holds a Master of Science degree in Transportation, a Master of Urban Affairs, degree, and a Bachelor of Science degree in Civil Engineering.

He has been qualified as an expert witness traffic and transportation engineering in numerous cases before the Land Court and Superior Court in Massachusetts and before DHCD's Housing Appeals Committee.

He is a former Instructor in the Transportation Program, Northeastern University Graduate School of Engineering.

5.3 THE WORK EXPERIENCE OF THE PERSON(S) PERFORMING THE WORK;

Mr. Houston's work experience is as follows:

Mr. Houston has over thirty years of professional experience including preparation of numerous Traffic Impact and Access Studies and peer review of Traffic Impact and Access Studies. He has completed peer reviews of Traffic Impact and Access Studies (TIAS) for over one hundred fifty (150) land development projects.

5.4 EXPERIENCE WITH PREVIOUS PEER REVIEWS OF A SIMILAR NATURE

Thomas C. Houston's experience with previous peer reviews of a similar nature

He has completed peer reviews of Traffic Impact and Access Studies (TIAS) for over twenty (20) Comprehensive Permit 40B projects.

5.5 A DESCRIPTION OF THE WORK TO BE PERFORMED;

A description of the work to be performed is as follows:

1. Conduct a site visit to verify existing conditions as well as gain an understanding of the subject site's traffic operations, posted speeds, travel speeds, geometry, pedestrian and vehicle movements, curb cuts, sight lines, land uses and any other pertinent data.
2. Review submitted traffic impact and access study and plans. Review shall include full conformance to the TIAS guidelines. Peer Reviewer shall immediately identify in a written memo any additional information that Applicant should be required to submit to comply with standard TIAS requirements. The Board will then notify the Applicant that the identified additional information must be submitted by a date certain.



3. Review historical data, past studies, accident reports and crash rates, and record plans.
4. Review trip generation rates and distribution assumptions. The latest edition of the Institute of Transportation Engineers (ITE) manual shall be a key reference in determining these rates. However, if applicable, peer reviewer should take into consideration any unique aspects of the subject site/project.
5. Review seasonal adjustments, historic traffic growth rates, traffic generated from other existing and proposed projects in affected area.
6. Review capacity analysis and queuing analysis.
7. Review future traffic impacts, with and without, the proposed development.
8. Review the Level of Service (LOS) analysis for Build and No-Build conditions. Other proposed projects in affected areas may be part of this review.
9. Review site development plans for proposed access and egress to public roadways, including emergency access and egress roadways. Public safety access/egress, emergency access, and ability to safely and effectively navigate the site shall be reviewed and this shall include an AUTOTURN analysis of the entire site using the Town of Littleton Fire Department's preferred design vehicle. School bus access/egress, turnaround areas, and child waiting/pick-up areas should be reviewed.
10. Review traffic counts, spot speed studies, signs and pavement markings, and accident data analysis.
11. Review site distance measurements for conformance with State and Federal standards, taking into consideration any unique features of the existing conditions and proposed plan. This review shall include Stopping Sight Distance (SSD) and Intersection Sight Distance (ISD). Review of Passing Sight Distance (PSD) may also be needed if applicable.
12. Thoroughly assess the need for traffic mitigation. This shall include the review of proposed mitigation as well as making recommendations for additional mitigations if necessary.
13. Review of Traffic Signal Warrant analysis and provide recommendations as the need for a signal based on the data.
14. Prepare Preliminary Report after initial review as well as throughout the planning process as necessary. This may include responses to the Applicant's traffic consultant over the



course of the Board's review. It is anticipated that modifications to the Site Plan are likely to be negotiated between the Applicant and the Board. Assuming that there are site plan and/or other modifications that affect traffic-related matters, peer reviewer shall prepare and present a Final Report.

If not already included in the Scope of Work above, the peer review report will also address the following:

- 3.1 The overall adequacy of the Applicant's traffic study to evaluate the impacts of the project in terms of overall safety, project generated traffic, trip distribution, traffic volumes and turning movements on adjacent roadways, forward sight distance, intersection delays, congestion, safety hazards, and pedestrian and vehicular circulation;
- 3.2 The appropriateness and safety of the location and alignment of the proposed access.
- 3.3 The appropriateness and safety of provisions for pedestrian access and movement on the site, and off the site;
- 3.4 The appropriateness and safety of the on-site circulation plan and parking arrangements;
- 3.5 An evaluation of any accident data contained in the documents reviewed;
- 3.6 The appropriateness and safety of for emergency services including but not limited to police, fire and medical;
- 3.7 The appropriateness and safety of the design for pickup and drop off of school age children;

5.6 TIME SCHEDULE

The time schedule to perform the review is as follows:

Professional Services Corporation, PC (PSC) will begin work immediately upon selection and we will provide a report summarizing our initial review within fourteen (14) days following receipt of Notice to Proceed.

5.7 THE HOURLY RATE AND STIPULATED MAXIMUM COST

The hourly rate charged by persons performing the work and the stipulated maximum cost, including all expenses, unless additional scope is approved in writing by the Board is as follows:



Town Administrator's Office, Room No. 307
November 10, 2011
Page 5

PSC will perform all work set forth in the Scope of Services included in the RFP and restated herein above in Section "5.5 A description of the work to be performed" for the stipulated maximum cost of:

FOUR THOUSAND THREE HUNDRED NINETY NINE DOLLARS (\$4,399.00)

Our fee for Basic Services will be based upon the rates set forth below plus expenses.

Thomas C. Houston, AICP, PE	\$ 135.00 per hour
Project Manager	\$ 120.00 per hour
Engineer/technical staff	\$ 99.00 per hour
Public meeting and hearing attendance including preparation, travel time and attendance at the public meeting or hearing session	\$ 450.00 per meeting

5.8 SIGNED CERTIFICATES OF TAX COMPLIANCE AND NON-COLLUSION

Signed Certificates of Tax Compliance and Non-Collusion are attached to this proposal.

CONCLUSION

We thank you for the opportunity of submitting this proposal. Please contact me if I can be of assistance in any way.

Very Truly Yours,
Professional Services Corporation, PC

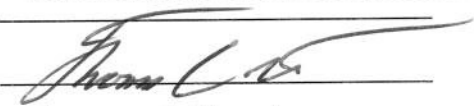
A handwritten signature in black ink, reading "Thomas C. Houston". The signature is written in a cursive, flowing style.

Thomas C. Houston, AICP, PE
President

CERTIFICATE OF NON-COLLUSION

CERTIFICATE OF NON-COLLUSION

The undersigned certifies under the pains and penalties of perjury that this contract has been obtained in good faith and without collusion or fraud with any other person. As used in this certification, the word 'person' shall mean any natural person, business, partnerships, corporation, union, committee, club, or other organization, entity, or group of individuals.

Name of Business:	Professional Servcies Corporation, PC
Signature:	
Name of Person signing Bid:	Thomas C. Houston

END OF DOCUMENT

CERTIFICATE OF COMPLIANCE WITH TAX LAWS

CERTIFICATE OF COMPLIANCE WITH TAX LAWS

Pursuant to Commonwealth of Massachusetts General Laws, Chapter 62C, Section 49A, I certify
under the pains and penalties of perjury that, _____
(Contractor)

has filed all Commonwealth of Massachusetts state tax returns, has complied with all
Commonwealth of Massachusetts laws relating to taxes, and has paid all Commonwealth of
Massachusetts State Taxes required under law.

Professional Servcies Corporation, PC

(Contractor)

By: _____

Contractor's Federal Tax I.D. No. 20 1160289

END OF DOCUMENT

RESUME

THOMAS C. HOUSTON, AICP, PE

EXPERIENCE

Extensive experience in peer reviews of traffic impact and access studies, traffic and transportation engineering, and expert testimony and public presentations.

- ◆ Traffic & Transportation Engineering – Prepared traffic impact and access studies for diverse land development projects. Completed preliminary and final design documents for local roadways, arterial streets, highways, intersections and traffic signal controls including interconnected closed loop systems.
- ◆ Peer Review of Traffic Impact and Access Studies – Completed peer reviews Traffic Impact and Access Studies (TIAS) for over one hundred fifty (150) land development projects including twenty (20) Comprehensive Permit 40B projects. Prepared traffic impact and access study regulations included in municipal subdivision regulations.
- ◆ Transportation Planning - Completed intermodal transportation planning projects and prepared area wide traffic volume models. Prepared corridor studies and functional design reports encompassing programs of transportation improvements. Prepared traffic impact and access sections of EIS/EIR reports for numerous transportation projects.

EDUCATION

MS, Master of Science, Transportation, 1979, Northeastern University
MUA, Masters of Urban Affairs, 1974, Boston University
BSCE, Bachelor of Science Civil Engineering, 1971, Northeastern University

EXPERT WITNESS

Qualified as an expert witness traffic and transportation engineering in numerous cases before the Land Court and Superior Court in Massachusetts and before DHCD's Housing Appeals Committee.

HONORS

Tau Beta Pi, national engineering honor society

ACADEMIC

Former Instructor, Transportation Program, Northeastern University Graduate School of Engineering

PUBLIC SERVICE

Former Member, Sharon Planning Board for 10 years

PROFESSIONAL

Member, American Society of Civil Engineers
Member, American Planning Association

REGISTRATIONS

Professional Engineer in Massachusetts and Rhode Island
American Institute of Certified Planners



Resume of

Thomas C. Houston, AICP, PE
Project Principal

TRAFFIC & TRANSPORTATION ENGINEERING EXPERIENCE

Experience in the preparation of traffic impact reports and in the preparation of the traffic impact sections of environmental impact reports for major land development projects. Completed preliminary and final design documents for arterial streets, intersections including traffic signal systems, and limited access highways for MassHighway, RIDOT, and municipal clients. Representative traffic and transportation engineering projects include:

Bridge and North Street Intersection Improvement Project, Salem, MA



Preparation of a feasibility study for redesign of a grade-separated urban intersection that included development of an area wide traffic volume model, intersection capacity analysis, safety analysis, development of three alternative intersection improvements plan to relocate existing ramps to accommodate expansion of the Salem Trial Courts complex. The extensive public participation process included public presentations at meetings in Salem attended by the Salem Partnership, City Officials, citizens and neighborhood groups and a presentation to MassHighway officials in Boston.

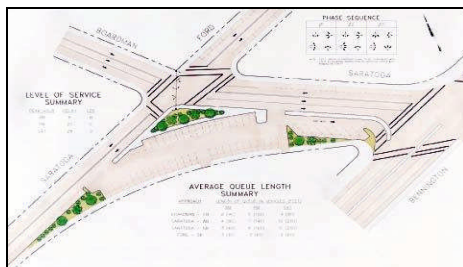
Expert Testimony, Standish Gas, Taunton, MA

Expert testimony in Taunton Superior Court on traffic and access issues in the matter of Hamie versus the Taunton Board of Appeals that resulted in the superior court sustaining the city's denial of the project based primarily on its traffic impacts.

Traffic Impact Report Star Market, Allston, MA

Preparation of an area-wide traffic impact analysis encompassing Packard's Corner and other intersections along the Commonwealth Avenue corridor. The multi-modal transportation analysis included evaluation of vehicular, transit, and pedestrian modes. The traffic analysis included evaluation of the complex Packard's Corner intersection that includes five intersection approaches, a median at grade light rail line, and extensive pedestrian usage. The transportation analysis was incorporated as part of the BRA/Boston PIR processes and involved extensive public participation on the part of community groups in Brighton and Allston. Mitigating measures developed for this project included intersection upgrades and coordination with the Commonwealth Avenue Section B Improvements Project. The work also involved final design of off-site roadway improvements including reconstruction of city streets and channelization and traffic control measures at existing intersections impacted by project traffic.

Traffic Impact Report Retail Shopping Center, East Boston, MA



Area wide traffic impact analysis for construction of a new retail shopping center on Route 1A (McClellan Highway) in the Orient Heights section of East Boston. The transportation planning process included extensive hearings and public meetings, and agency approvals. The technical analysis included a detailed traffic analysis that incorporated changes in background traffic based upon the Logan Airport Generic EIR and the Central Artery/Tunnel (CAT) Project. Measures developed to mitigate traffic impacts include a new grade-separated highway interchange and frontage roads on

McClellan Highway and reconstruction of the Boardman and Saratoga Streets intersection providing new signalization and off-street parking.



Resume of

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Preliminary Design Route 57, Agawam and Southwick, MA

Preparation of design alternatives for reconstruction of Route 57 as a limited access highway in Agawam and Southwick including highway mainline and interchange alternatives to minimize noise and wetland impacts.

Traffic Impact and Access Study, Proposed Dunkin Donuts Shop, Marion, MA

Preparation of a traffic impact and access study for a proposed Dunkin Donuts shop on Wareham Street (Route 6) in Marion.

Functional Design Report Sudbury Plaza, Sudbury, MA

Preparation of a Functional Design Report to reconstruct a segment of Route 20 to provide turning lanes and a new signalized intersection serving the Sudbury Plaza Shopping center and a Raytheon manufacturing plant. The functional design report addressed roadway and intersection reconstruction and inclusion of both existing and new traffic signals as part of a closed loop system.

Traffic Impact Analysis and Circulation Study for the Peabody-Essex Museum, Salem, MA

Planning and design of off-site roadway improvements involving reconstruction of City streets and intersections including provision of new traffic controls to implement changes in the area-wide traffic circulation pattern in downtown Salem. The analysis included mitigation for abandonment of a City street and coordination of streetscape improvements with new parks and gardens constructed as part of the museum expansion.

Highway Improvements for the Port of Galilee, Narragansett, Rhode Island

For RIDOT, final design of an area wide roadway system including reconstruction of approximately one (1) mile of existing roadways and extension of the Galilee Connector Road on a new alignment to the Galilee Escape Road. The project incorporating landscaping and streetscape elements to mitigate impacts on visual quality and special drainage and roadway design elements to mitigate impacts on coastal features and freshwater wetlands.

Traffic Impact and Access Study for 705 Mt. Auburn Street, Watertown, MA



Preparation of an area wide traffic impact analysis for a 450,000 SF office building including analysis of traffic volumes, intersection operations, and planning of traffic impact mitigation measures. These mitigating measures included a new traffic signal system for the Mt. Auburn and Arlington Streets Intersection and reconstruction of segments of three streets to provide channelization and turning lane improvements. The traffic impact mitigating measures also included development of a program of TDM measures including use of shuttle vans and mandatory flexible working hours.

Traffic Impact Report for the Plains Shopping Plaza, Milford, MA

Preparation of a traffic impact report for modifications to shopping center access and off-site roadway improvements including deletion of a planned divided highway segment and redesign of key shopping center entrances. Alternatives evaluated included analysis of an arterial bypass road.



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Traffic Impact and Access Studies for Taco Bell Restaurants, Connecticut

Preparation of a Traffic Impact and Access Studies for development of new Taco Bell restaurants in East Hartford and Rocky Hill Connecticut.

Traffic Impact and Access Studies Exxon Service Stations, Massachusetts and New Hampshire

Preparation of Traffic Impact and Access Studies for retail service station modernization projects including retail stores and carwashes in Stratham, New Hampshire and Marlborough, Massachusetts.

Parking Improvement Plan, New England Baptist Hospital

Preparation of a campus-wide plans for at grade parking areas and structured parking facilities for the hospital's main campus.

Star Market Traffic Impact and Access Study, Belmont, Massachusetts

Preparation of a Traffic Impact and Access Study for a new 39,800 sq.-ft. supermarket and pharmacy. The project also involved development of an area wide program of transportation improvements including the widening and realignment of Trapelo Road, and channelization and signalization of the Trapelo Road/Lexington/Moraine Streets intersection. Final design documents were developed for an interconnected closed loop intersection signalization system, for widening and channelization of the Trapelo Road and Pleasant Street intersection, and for the widening of Route 60.

Traffic Circulation and Parking Study Newton Wellesley Hospital, Newton, Massachusetts

Preparation of a Traffic Circulation & Parking Study, including a conceptual analysis of on site parking and circulation issues.

Traffic Impact Report Crossroads Plaza, Lunenburg, MA

Preparation of a Traffic Impact Report for a new retail shopping center and final design for widening of Route 2A to provide new turning lanes.

Traffic Impact Report Beverly Commerce Park, Beverly, MA

Preparation of an area-wide traffic study evaluating the impacts of developing over 1 million SF of industrial and retail space on eleven intersections and intervening roadway segments.

Dresser Hill Bridge Improvements, Southbridge, Massachusetts

Maintenance of traffic plan for bridge redecking project including construction signing and final design of a temporary traffic signal to facilitate alternating one way traffic across the bridge during construction.

Thunderbird Plaza Signal System Design, Tyngsboro, MA

Final design of channelization and a traffic signal system at shopping center entrance.

Addition Hill Industrial Park, Marlborough, MA

Final design of intersection channelization and an entrance road for a high tech business park.

D.W. Fish Traffic Study, South Windsor, Connecticut

Preparation of a traffic study identifying the impacts of development of 120 single and multi-family dwelling units on traffic volumes and intersection operations.



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Dunkin Donuts Shop, Weymouth, MA

Preparation of a Traffic Impact and Access Study for a Dunkin Donuts shop providing drive through service only. The site is located at a key entrance to the former South Weymouth Naval Shipyard and the work included coordination with traffic generated by redevelopment of the former 1,400 acre navy base.

Traffic Impact and Access Study, Marsh Hill Subdivision, Marshfield, Massachusetts

Preparation of a Traffic Impact and Access Study for Marsh Hill Subdivision prepared for the Marshfield Planning Board involving two new subdivision roads intersecting with Route 139 just north of the Duxbury town line at the existing Tremont and Careswell Streets intersection.

Traffic Impact Study, Preachers Path Definitive Subdivision on Route 139, Marshfield, MA

Preparation of a Traffic Impact and Access Study for the Preachers Path Definitive Subdivision on Plain Street (Route 139) prepared for the Marshfield Planning Board evaluating sight distance, intersection operations, measurements of existing travel speed, future sight distance and intersection operations. The report also included development of a coordinated program of intersection and roadway improvements for three intersections along Route 139.

Traffic Impact Study for Chestnut Hill Subdivision Marshfield, Massachusetts

For the Marshfield Planning Board, preparation of a *Traffic Impact Study for the Chestnut Hill Subdivision* involving spot speed studies, sight distance, safety and accident history, and development of new access strategies including alternative intersection locations and designs.

Route 109 Reconstruction, Milford, Massachusetts

Final design of highway improvements including major roadway widening and extending from the existing signalized intersection of Routes 16 and 109 to the new signalized intersection of Route 109 and Veterans Memorial Drive.

Traffic Impact Study for Retail Shopping Center, Norwood, MA

Preparation of a traffic impact report for development of a retail shopping center on Nahatan Street in Norwood. The report included analysis of traffic volumes and intersection operations for intersections along Nahatan Street. The report also encompassed operational analysis of the grade separated rotary at Nahatan Street and Route 1 including Level-of-Service evaluations for rotary weaving sections and highway access ramps.

Traffic Impact Study for Star Market, Lexington Street, Waltham, MA

Preparation of a *Traffic Impact Study for a new Star Market on Lexington Street in Waltham*. The report addresses safety, traffic volume projections, and intersection Levels-of-Service. Mitigating measures evaluated for the report include off-site intersection modifications along the Lexington Street corridor.

Traffic Study for West Street, Randall Road, and Nash Hill Road Intersection, Ludlow, MA

Preparation of a Traffic Impact and Access Study for the West Street, Randall Road, and Nash Hill Road intersection including analysis and development of traffic mitigation measures in conjunction with expansion of the Hampden County Correctional Facility.

Environmental Impact Report (EIR), Shopping Center, Milford, MA

Preparation of the traffic impacts section of an Environmental Impact Report for a new retail shopping center. The environmental analysis included an area-wide traffic analysis that incorporated traffic impacts of other area projects that were the subject of earlier Environmental Impact Reports.



TRAFFIC & TRANSPORTATION PEER REVIEW EXPERIENCE

Experience in the completion of peer reviews of the traffic impact and access studies for over 100 land development projects including over twenty 40B projects.

Canton Planning Board, Canton, MA

Peer review of the Traffic Impact and Access Studies for over eighty (80) site plans and subdivision plans including:

- Peer Review of the Traffic Impact and Access Study submitted for the 450,000 sq. ft. Reebok World Headquarters.
- Peer Review of the Traffic Impact and Access Study for the 350,000 sq. ft. Blue View Corporate Center including coordination of traffic volume projections and off-site traffic impact mitigation commitments for several other major office parks and a hotel along the Royal Street Corridor.
- Peer Review of the Traffic Impact and Access Studies for three Dunkin Donuts Shops including detailed analysis of service times and vehicle queuing at drive through windows.
- Peer Review of the Traffic Impact and Access Study for expansion and rehabilitation of the Cobbs Corner Shopping Mall.
- Peer Review of the Traffic Impact and Access Studies for development of major office, warehouse, and industrial sites in the 1,000,000 sq. ft. Canton Commerce Center.
- Peer Review of the Traffic Impact and Access Studies for fast food shops including a McDonalds.
- Prepared the traffic impact and access study requirements of the *Land Subdivision Rules & Regulations*.

Norfolk Planning Board, Norfolk, MA

Peer review of the Traffic Impact and Access Studies for over fifty (50) site plans and subdivision plans including:

- Peer review of Traffic Impact and Access Studies for the Norfolk Commons Phases I and II which involve construction of a new town center including a commuter rail station and new retail stores and housing centered about a New England common. Transportation improvements evaluated in the peer review include new intersections and roundabouts and a new bridge over the commuter rail line.
- Peer review of the Traffic Impact and Access Study for the overall 26 lot Shire Industrial Park and review of supplemental traffic information for individual warehouse and industrial sites within the park.
- Prepared the traffic impact and access study requirements of the *Land Subdivision Rules & Regulations*.

Town of Sharon, Sharon, MA

- Peer review of the Traffic Impact and Access Study as well as the transportation section of the Environmental Impact Report for the one half million square foot Sharon Commons Lifestyle Center. The Traffic Study Area included twelve major intersections throughout the Town of



**Resume of
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Sharon. Also completed the peer review of the final design plans for South Main Street Improvements including major widening to provide turning lanes and a closed loop signal system encompassing the I-95 interchange ramps and additional intersections along the South Main Street corridor. Also completed the peer review of final design plans for reconstruction of Old Post Road as a divided commercial arterial street connecting South Main Street with the Sharon Commons Lifestyle Center.

- Peer review of the Traffic Impact and Access Study for Sharon Hills, a six hundred twenty four (624) unit continuing care retirement community (CCRC) and a one hundred fifty (150) bed nursing home. Also, peer review of a construction phase TIAS for staged construction access that included extensive off-site intersection upgrades and a truck scheduling plan to control the timing and direction of truck trips.

Marion Planning Board, Marion, MA

Peer review of the Traffic Impact and Access Studies for various land development projects including:

- Peer review of the traffic impacts section of the *Draft, Final, and Supplemental Environmental Impact Reports for the Wareham Crossing* regional shopping center and development of an area wide traffic volume model to identify traffic impacts of the shopping center on the Town of Marion.
- Peer review of the Traffic Impact and Access Study for a shopping center including small retail shops and a Cape Cod Bank and Trust branch office with drive-through tellers.
- Peer review of the Traffic Impact and Access Study for an office/retail center including small retail shops, offices, and a Dunkin Donuts shop with a drive-through window.

Dedham Planning Board, Dedham, MA

Preparation of comprehensive updates to the traffic impact and access requirements of the Planning Board's *Land Subdivision Rules & Regulations*.

Hingham Planning Board, Hingham, MA

Review of various land development projects including:

- Peer review of the Traffic Impact and Access Study for a proposed golf course.
- Peer review of the Traffic Impact and Access Study for multi-family housing development and related renovations to a Town owned recreation complex.

Norwell Planning Board, Norwell, MA

Peer review of site and subdivision plans including:

- Peer review of the Traffic Impact and Access Study for the Coastal Nissan site plan for adaptive reuse of an industrial building as an automobile dealership
- Peer review of the Traffic Impact and Access Study Shaw Saab site plan involving updating and expansion of an automobile dealership.



**Resume of
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Scituate Planning Board, Scituate, MA

Peer review of traffic impacts for the Dreamwold Estates subdivision including offsite impacts and mitigation.

Canton Board of Appeals, Canton, MA

Peer review of Comprehensive Permit projects including:

- Peer review of the Traffic Impact and Access Studies for six (6) 40B projects processed under the State's Comprehensive Permit Process.
- Provision of expert testimony before the Housing Appeals Committee on traffic and transportation impacts of the Acorn Estates and the Highlands at Canton Comprehensive Permit Projects

Hingham Board of Appeals, Hingham, MA

Peer review of the Traffic Impact and Access Study for the Hingham Shipyard project, which included retail and marine uses and an MBTA commuter boat terminal in addition to market rate and affordable housing.

Holliston Board of Appeals, Holliston, MA

Peer review of the Traffic Impact and Access Study for the 200 unit Cedar Ridge 40B project.

Lynnfield Board of Appeals, Lynnfield, MA

Review of the Traffic Impact and Access Study for the Windsor Estates Elderly Housing development.

Marion Board of Appeals, Marion, MA

Peer review of the Traffic Impact and Access Study for the 168 unit Marion Village Estates Comprehensive Permit Project.

Norfolk Board of Appeals, Norfolk, MA

Peer review of the Comprehensive Permit Projects including:

- Peer Review of the Traffic Impact and Access Study for the 44-unit Norfolk Town Center Condominium Project.
- Peer review of the Traffic Impact and Access Study for the Norfolk Landing Project.

Norwell Board of Appeals, Norwell, MA

- Peer review of the Traffic Impact and Access Study for the Tiffany Hill 40B project.
- Expert testimony on traffic and transportation issues on the Tiffany Hill project before the Housing Appeals Committee.

Stoughton Board of Appeals, Stoughton, MA

- Provision of expert testimony on traffic and transportation impacts of the 48 unit Page Place Apartments project before the Housing Appeals Committee.



**Resume of
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- Peer review of the Traffic Impact and Access Study for the Woodbridge Crossing 40B project that included an extensive program of off-site transportation improvements including intersection reconstruction and provision of a closed loop traffic signal system.
- Peer review of the Traffic Impact and Access Study for the Lodges at Stoughton 40B project that included comprehensive revision of the TIAS for the Stoughton Technology Center to address replacement of office and warehouse use with housing.
- Peer review of the Traffic Impact and Access Study for the Residences at Stagecoach Village 40B project off Route 138.

CDNA – Citizens for Dedham Neighborhood Alliance, Dedham, MA

Peer review of the traffic impacts of a 160 acre campus encompassing educational and healthcare facilities including a health care facility, assisted living units, a private elementary school, and an early childhood facility.

K. Bilzerian, Tisbury, MA

Expert testimony in the Dukes County Land Court encompassing traffic and access impacts caused by construction of a 48 unit Chapter 40B project.

Massapoag Brook Neighborhood Association, Sharon, MA

Peer review of the Traffic Impact and Access Study for the 32 unit Glendale Village 40B project.

Nagog Woods Community Corp., Acton, MA

Peer review of the traffic and access impacts of the Woodlands at Laurel Hill 40B Project.

Partridge, Snow, and Hann, Johnston, Rhode Island

Review of the traffic and access impacts of the Stonehill Marketplace project involving phased expansion of a 600,000 sq. ft. regional shopping center encompassing traffic operations on Atwood Avenue and the Route 6 highway interchange ramps.

Rattlesnake Hill Open Space Association, Inc., Sharon, MA

Expert testimony regarding the traffic and access impacts of the Estates at Borderland 40B project involving development of 250 residential units on 230 acres

Thomas J. Philips, Esquire, Newton, MA

Peer review of the traffic impacts of the high rise Covenant Residence on Commonwealth 40B Project on local and major arterial roadways including Route 9.

Traffic Impact Review, Tufts Medical Center Parking Garage, Boston, Massachusetts

Review of the Traffic Impact Report for a new parking garage for Tufts Medical Center and preparation of a technical review comments submitted to the MEPA Unit of the Executive Office of Environmental Affairs on behalf of a citizens group.



**Resume of
Thomas C. Houston, AICP, PE
Project Principal**

TRANSPORTATION PLANNING EXPERIENCE

Experience in intermodal transportation planning projects and preparation of area wide traffic volume models. Prepared corridor studies and functional design reports encompassing programs of transportation improvements. Prepared traffic impact and access sections of EIS/EIR reports for numerous transportation projects. Representative transportation planning projects include:

Supplemental Environmental Impact Report (SEIR) Route 3 South, Weymouth to Duxbury

Preparation of the Supplemental Environmental Impact Report (SEIR) under the Massachusetts Environmental Policy Act (MEPA) for the widening of Route 3 South from four to six travel lanes. Key environmental impacts included traffic impacts, secondary growth impacts, and alteration of over nine acres of bordering vegetated wetlands.

Environmental Baselines, I-93/I-95 Interchange Project, Woburn, Stoneham, and Reading, MA

Analysis of affected environment and establishment of environmental baselines to facilitate identification, evaluation, and minimization of environmental impacts caused by full reconstruction of three major interchanges on I-95/Route 128 involving multi level semi directional and fully directional ramp systems the addition of frontage roads connecting the three interchange locations. The conceptual improvements for the main I-93 and I-95/Route 128 interchange involve. Key environmental issues include proximity of intensely developed residential and commercial areas, relocation, noise, floodplain, and wetland impacts.

Philadelphia International Airport EIS, Philadelphia, Pennsylvania

As part of the Environmental Impact Statements (EISs) for airfield improvements at Philadelphia International Airport, developed a preliminary regional vehicular traffic volume model for forecasting changes in vehicular travel demand based upon relocation of airport services and carriers from Philadelphia International Airport to other regional airports.

Route 57 Relocation Project, Agawam and Southwick, Massachusetts

Area wide traffic volume projection model, highway design, intersection signalization preparation of the traffic analysis for an Environmental Impact Report for the relocation of 2.2 miles of Route 57 as a limited access highway.

Newport Circulator Project, Newport, RI

Development of a computer model to forecast ADT and DDHV volumes for a roadway network encompassing 40 intersections and highway ramps.

Transportation Improvements Plan, Chelsea and Everett, MA.

Preparation of a Transportation Improvements Plan for MassHighway encompassing railroad relocation/depression, arterial streets, signalization, and new highway interchanges. The project included an area wide land use inventory, recommended land use/zoning changes to mitigate highway impacts, and development of preliminary plans for a multilevel pedestrian mall.