

General Background

Jason Mead is the Department Manager of Structural Services and joined All-Points Technology Corporation, P.C. (APT) in 2014. Jason is responsible for the management and coordination of structural engineering services for renewable energy, commercial, municipal, and utility communications sectors, including PV Array structural Peer Reviews, Energy Storage Systems (ESS) support structures, Fuel Cell projects, wireless communication structural analyses and site design, QA/QC, and collaboration with external engineering design consultants, municipal and state agencies.

Jason has 35 years of collective experience in the Civil/Structural Engineering, A&E Consultation environments with 27 years of dedicated service to the telecommunications sector. His expertise includes a diverse background in the development and design of wireless telecommunications, commercial, retail, and institutional building projects; project management and coordination; structural engineering design and analysis; wireless communications, utility tower and mount analyses; independent structural reviews; field investigations; soil sampling/testing; building/structure mapping; remedial works; construction administration; special inspections; and QA/QC. Clients have included Connecticut Water, C-Tec, Lodestar, Bluewave, Eversource, MassDOT, First Taxing District of Norwalk, Connecticut State Police, Town of Haverstraw, NY, Port Washington PD, NY, Verizon Wireless, AT&T, T-Mobile, Pyramid Network Services, Motorola, Barret Outdoor Communications, Inc., Yale New Haven Hospital, Brooks Eckerd (Rite Aid), CTDOT, UCONN, and USPS.

Representative Projects

Wireless Communications Site Design - New England and New York

Since 1997, Jason has provided engineering and site design services on behalf of various telecommunications clients throughout New England and New York involving over 2000 site designs, including multi-carrier telecommunication projects, Macro, Small Cell, CRAN fiber hub/telecommunication switch facilities, and equipment modification projects, in addition to supporting client applications at the municipal and local regulation authority level. Jason's experience with wireless communications include project management and coordination; preparation of A&E design documents and specifications; managing external engineering design consultants. In addition, Jason provides structural engineering analysis and design of existing and proposed antenna support structures, including but not limited to, self-supporting, guyed lattice tower, monopole towers, smokestacks, water reservoirs, and sign structures. He has also prepared reinforcement designs for existing tower structures, including rock anchored foundations.

Verizon Generator Retrofit Program - New York

From 2014 to 2016, Jason served as a Project Manager for a Verizon Wireless generator retrofit program throughout New York City and New York State. Jason's work included field mapping and working directly with M/E/P, acoustical, and zoning consultants to develop viable design solutions in often challenging environments, and was directly involved in the design process from inception through to construction. Work included the design of rooftop steel dunnage frames, the development of construction drawings, conducting bid and pre-construction walks, in addition to shop drawing review.

Verizon Mobile Telecommunications Switching Office (MTSO) Windsor, CT

Jason was responsible for overseeing the design a 10,000 s.f. \$2.0m expansion to an existing single story Verizon switching office, located in Windsor, CT. The project scope included a new 2000A electrical service, water main with dedicated fire/sprinkler room, an internal 400kW diesel fueled generator with 1000 gallon diesel fuel tank room designed to provide tertiary fuel containment and control/switch rooms. Jason's duties included project coordination between design disciplines, preparation of architectural and structural construction drawings, CSI MasterFormat® specifications, addenda, and bulletins. He also functioned as an Architectural Project Representative (APR) and Construction Administrator, responsible for shop drawing review and approval, liaison with local authority representatives and state agencies, and attended construction meetings, while applying problem solving techniques to maintain a demanding construction schedule.

Adult Cardio Cath Lab and Bi Plane EP Lab, Yale New Haven Hospital, New Haven, CT

Jason was responsible for the structural analysis and reinforcement design required to support the installation of new equipment management system (EMS), surgical lighting, flat panel, and retractable gas ceiling columns at Yale New Haven Hospital. Designs required special attention to equipment manufacturer design tolerances.

Pediatric MRI, Yale New Haven Hospital, New Haven, CT

Jason was responsible for structural analysis and reinforcement design required to support the installation of new Siemens Magnetom Skyra 3T MRI scanning equipment and gantry tables at Yale New Haven Hospital. Designs required special attention to equipment manufacturer design tolerances.

Brooks Eckerd Pharmacy Retail Stores, Eastern US and New England.

From 2005 to 2006, Jason was responsible for the project coordination and design of Brooks Eckerd drug store projects along the East Coast of the US, New York State, and through-out New England. Sites included raw-land pad sites and the conversion of existing building structures. Jason's purview included working with external consultants; becoming fully conversant with all aspects of the client design specifications and equipment; optimizing commercial floor space and site layout; conducting existing building investigations; the preparation of existing building condition assessment reports; and the development of a prototype design standard that required in-depth knowledge of architectural and engineering discipline building systems. Jason liaised directly with the Brooks/Eckerd managers and attended regular meetings at the corporate headquarters located in Rhode Island. The breadth of the construction market required him to become acquainted with State and International Building Codes, identifying and implementing special requirements, as applicable.

Verizon Corporate Office, Wallingford, CT.

Jason's contribution to this project included the preparation of construction design documents for the interior renovation of an existing 15,000 s.f. Verizon corporate office located in Wallingford, CT.

Employment History

Centek Engineering, 63-2 N. Branford Road, Branford, Connecticut

- Structural Engineer, September 2008 to April 2014.

URS (now AECOM), Suite 3B, 500 Enterprise Drive, Rocky Hill, Connecticut

- Project Coordinator/Structural Engineer, June 1996 to September 2008.

Nafis & Young, 1355 Middletown Avenue, Northford, Connecticut

- Construction Inspector & Land Surveyor, November 1994 to June 1996.

Richard Jackson LTD, Civil & Structural Engineering Consultants, United Kingdom.

- Civil & Structural Engineering Technician, June 1988 to February 1993.

Education:

Suffolk New College, UK
Studied ONC & HNC NVQ Level 4 - Civil Engineering,
1988 – 1993

Certifications:

Attended numerous AISC/ASCE continuing education seminars

General Background

Mr. Gustafson has been the lead wetland and soil scientist on more than 1,500 development projects in Connecticut and Western Massachusetts over more than 34 years. His background includes NEPA/CEPA documentation, wetlands, water-quality investigations, coastal-zone-management studies, and natural-resource and ecological evaluations. Mr. Gustafson has particular expertise in wetland identification, soil mapping, soil classification, vegetative and hydrology surveys, and wetland impact assessment, mitigation design, and mitigation construction oversight. He has extensive experience in local, state, and federal wetland permitting, including having worked on over 150 Connecticut Siting Council dockets along with providing expert testimony at Council hearings over the past 15+ years. Mr. Gustafson has consulted on numerous projects that involve soils-related issues such as erosion and sediment control planning, vegetative soil stabilization and storm water management BMP evaluation and selection. Mr. Gustafson's water quality experience includes stormwater studies for compliance with National Pollution Discharge Elimination System (NPDES), Section 401 Water Quality Certification, and the 2004 Connecticut DEP Stormwater Quality Manual. He has also served as the Environmental Compliance Monitor on numerous construction projects to ensure compliance with wetland, vernal pool, and rare species protections as conditioned by various local, state and federal regulatory agency authorizations.

In addition to his 34+ years of providing wetland consulting, his expertise as a wetland biologist includes the identification of flora and fauna and evaluation of wildlife habitat functions in both wetland and terrestrial systems, including focused avian, mammalian, invertebrate and herpetofauna surveys using both active and passive methods. Mr. Gustafson also performs targeted surveys for sensitive, rare and listed species that have resolved numerous potential rare species conflicts with proposed developments in coordination with state and federal agencies. In addition, Mr. Gustafson has extensive experience in performing herpetological surveys, including vernal pool investigations and evaluations.

Representative Projects

Telecommunications Carrier Wetland Compliance Program

Project Manager for major telecommunications carrier's wetland compliance program. Responsible for wetland delineation, assessment, mitigation and alternatives analysis, habitat evaluations, vernal pool identification and assessment, design review for permit feasibility, and successful permitting of over 100 wireless telecommunications facilities with local wetland/conservation commissions in the Connecticut, Massachusetts, and Rhode Island market areas including Connecticut Siting Council application and hearing support. Responsible for erosion and sediment control planning and construction monitoring for projects in Connecticut and Massachusetts that represent a potential to impact sensitive wetland and rare species resources during construction.

National Retailer, Rocky Hill, CT

Responsible for wetland permitting of a multi-tenant retail development resulting in significant unavoidable wetland impacts and the creation of a wetland mitigation area exceeding 1 acre in size. Wetland permits were secured from the Rocky Hill Wetland Agency, CTDEP and U.S. Army Corps of Engineers for wetland impacts and wetland mitigation area.

Industrial Developments, CT and MA

Managed wetland and rare species permitting for several large industrial developments for national Fortune 100 tenants in Connecticut and Massachusetts. Services included performing wetland, vernal pool, rare species and terrestrial impact evaluation studies, preparation of assessment documents, and development of mitigation plans. Responsible for preparation of local, state and federal wetland permits and securing agency authorizations. Projects also included conducting extensive rare species surveys, consultation with state wildlife agencies, preparation of conservation and mitigation plans, and securing agency authorizations.

Connecticut DOT West Haven/Orange Railroad Station, Environmental Assessment

Task manager for assessing natural resources, including wetlands, floodplain, aquatic habitats, and wildlife, associated with a proposed railroad station at one of two possible sites. Prepared technical documents in support of Draft Federal Environmental Assessment/Draft State Environmental Impact Evaluation.

CT Commercial Solar Projects

Served as the lead wetland scientist and biologist for the development of numerous commercial-scale solar facilities throughout Connecticut. Project responsibilities included wetland delineation, function and value assessment, wetland mitigation design, federal wetland permit preparation, rare species surveys and consultations with the Connecticut Department of Energy & Environmental Protection Natural Diversity Data Base, vernal pool surveys, project impact evaluations, construction and wetland mitigation monitoring and Siting Council petition support.

Siting, Licensing and Permitting Consulting Services – Eversource Energy

Since 2016, Dean has assisted Eversource Energy in a variety of projects, providing and overseeing: natural resources inventories of existing flora and fauna, habitat evaluations, wetland delineations and impact analyses, vernal pool surveys, rare species surveys, archaeological and cultural investigations, visual analyses, preparation of technical documents (including applications to the Siting Council, municipalities, and state and federal regulatory agencies), and preparation of state and federal regulatory permitting applications. He has assessed and permitted bulk power substations, transmission lines/structures, underground utility installations, and existing facilities requiring upgrades. Dean assisted with pre-acquisition due diligence activities; site development feasibility assessments; natural resources inventories of existing flora and fauna; vernal pool studies and assessments; habitat evaluations; wetland delineations, assessments, mitigation designs, and permit compliance monitoring; site layout and design evaluations; erosion and sediment control planning and construction monitoring; vegetative soil stabilization and storm water management BMP evaluations and selection; preparation of technical documents; and, coordination with State and local agencies.

CPV Towantic Energy Center, Oxford, CT

Lead scientist responsible for performing wetland investigations, wetland evaluations, wetland mitigation design and rare species surveys for a proposed 785 MW dual-fueled combined cycle electric generating facility. Prepared the federal wetland permit application and secured Section 404 and 401 authorizations from the Army Corps of Engineers New England Division and Connecticut Department of Energy & Environmental Protection, respectively. Also responsible for developing a wetland mitigation plan, which consisted of two constructed stormwater wetland systems to compensate for the project’s unavoidable wetland impacts, as well as coordinating regulatory approval for payment into the Audubon CT In Lieu Fee Wetland Mitigation Program. Also provided supporting application materials to the Connecticut Siting Council and expert testimony at numerous hearings.

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Education

B.S. University of Massachusetts, Plant and Soil Sciences

Graduate coursework, University of New Hampshire

Affiliations

Member, Town of Lebanon, CT Inland Wetlands and Watercourses Commission (since 1995)

Registrations

Professional Soil Scientist, Society of Soil Scientists of Southern New England (since 1988)

Connecticut Association of Wetland Scientists

Association of Massachusetts Wetland Scientists



General Background

Matt Gustafson is a Registered Soil Scientist, Wetland and Forestry Biologist, and Certified Professional in Erosion and Sedimentation Controls since 2011. His skills include Connecticut and federal wetland delineations, Army Corp of Engineers data plots, wetlands functions and values assessments, vernal pool analyses, threatened and endangered species and critical habitats inventories, biological surveys, vegetative habitat classification and cover-type mapping, environmental and construction monitoring, erosion control inspections and wetland mitigation planning and monitoring. Mr. Gustafson has consulted on numerous projects which involved erosion and sediment control planning, vegetative soil stabilization and storm water management Best Management Practices evaluation and selection. He is experienced in vernal pool monitoring and assessment, including identification of a wide variety of native amphibians and reptiles that utilize vernal pool habitats.

Matt has assisted with local, state and federal wetland permitting for a variety of projects including wireless telecommunications, electric and alternative energy utilities, roadway improvements, and commercial and public developments. He also has experience in GIS data creation and management, data analysis, mobile data collection applications, integrating GIS services and solutions, and mapping.

Representative Projects

Solar Energy Facility Developments, Connecticut

Matt assisted in developing environmental documentation for several solar energy facilities in Connecticut, from the due diligence phase through construction. Matt performed feasibility analyses, wetland delineations and function/value assessments, ACOE permitting coordination, rare species field investigations and state/federal compliance services. He also assisted in the development and implementation of wetland, vernal pool, and rare species protection programs and mitigation plans, and creation of environmental assessment documentation. Matt also provided compliance monitoring services including development and implementation of a contractor awareness program, inspection of erosion and sedimentation controls, rare species protection, and documentation to satisfy regulatory approval requirements.

Northeast Utilities, Central Connecticut Reliability Project

Matt assisted with field efforts associated with natural resource and constructability evaluations along a 35-mile electrical transmission corridor in central Connecticut. The natural resource evaluation included Connecticut and Federal wetland delineations, Army Corps of Engineers data plots, wetland functions and values assessment, inventory of several State and Federal Threatened and Endangered species, and habitat/land use cover-type mapping. The constructability evaluation included documenting and mapping key project features including existing and potential access routes, current and new transmission tower locations, and construction laydown areas and their proximities to wetlands and other sensitive natural resources. The data was used to assess potential impacts to resources and identify constructability constraints.

Utility Right of Way Rare Species/Wetland/Vernal Pool Investigations, Waterford, CT & CT-17 Vegetation Management

Matt assisted with field investigations for the presence of several state listed rare species (flora and fauna) and habitat within a four-mile long electrical transmission corridor and immediately surrounding areas. Potential habitat was field-located using GPS survey equipment, catalogued and qualitatively described. He also conducted an extensive vernal pool investigation which identified, mapped and evaluated over fifteen vernal pool systems.

Utility Right-of-Way Wetland Investigation/Permitting/Compliance Monitoring, 310/368/383 Lines, Huntsbrook Junction to Manchester Substation, CT; Card St./Tunnel Substation, Lebanon, CT; Frostbridge to Campville Substation, Torrington, CT

Matt assisted with field investigations and mapping for wetland resources within various utility corridors including vernal pool assessments, constructability analyses and field location of important resources. Following these preliminary assessments, Matt assisted in securing various state and federal permits including the CT General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, Certificates of Environmental Compatibility and Public Need and Orders of Conditions issued by the Connecticut Siting Council, CT State Land Notifications, and Army Corps. Of Engineers Connecticut General Permit for activities within waters of the United States. During construction, Matt provided compliance monitoring for the various environmental permit requirements including compliance with the CT General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, CT DEEP Natural Diversity Database conditions, and Army Corps of Engineers CT General Permit.

Utility Right of Way Rare Species/Wetland/Vernal Pool Investigations, CT-17 Vegetation Management

Matt led field investigations and delineation, location, and survey for wetland and vernal pool resource areas within an 18-mile-long electrical transmission corridor and immediately surrounding areas. Wetland resource areas were flagged and field-located using GPS survey equipment, catalogued and qualitatively described. Matt assisted in producing GPS data and mapping to be used by field personnel. He also conducted an extensive vernal pool investigation which identified, mapped and evaluated vernal pool systems.

Education

University of Vermont, The Rubenstein School of Environment and Natural Resources
B.S., Double Major: Environmental Science and Forestry, May 2011

Continuing Education

New England Soil Certification Program, completed 2012

Registrations

Registered Soil Scientist, Society of Soil Scientists of Southern New England

Connecticut Association of Wetland Scientists

Certifications

OSHA Hazardous Water Operations and Emergency Response (HAZWOPER) Training (29 CFR 1910.120)

Certified Professional in Erosion and Sedimentation Controls (CPESC) #6523

Brian Gaudet
Project Manager
Environmental, Siting and Permitting

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General Background

Mr. Gaudet is a Project Manager with over 15 years of professional experience in program, construction, and permitting management. His expertise includes program management; siting, zoning and permitting; construction oversight; and due diligence and regulatory compliance.

Brian is responsible for managing the siting and permitting efforts associated with electrical substations and transmission lines, renewable energy facilities, and telecommunication sites. He has supervised hundreds of sites from initial design through construction, often as part of a larger project team comprised of varied disciplines both from within the company and outside the organization, including client representative, engineers, legal counsel, and construction administrators. Brian also represents his clients' projects at municipal and state commission hearings.

Representative Projects

Environmental Siting and Permitting Services, State-wide Telecommunications Upgrade Program, CT
Brian has served as the Project Manager for a major utility client as they modernize their state-wide telecommunications and radio network. He has consulted multiple disciplines and organizations on the CT Siting Council process for new facility development and existing facility upgrades. Services include: coordination and consultation with structural, civil, and radio-frequency engineers; preparation of CT Siting Council Exempt Modification and Petition packages; management of wetlands assessments; photo-simulations; graphic support; and securing regulatory permits.

Environmental Siting and Permitting Services for Electric Utilities, Connecticut

Brian has served as the Project Manager for electric utility projects in Connecticut including modifications to existing substations and upgrades to transmission line corridors. These projects require extensive coordination with multiple team members. Representative project services included coordination of natural resources inventories, historic and cultural resource assessment support, visual analyses, preparation of technical documents and regulatory applications, coordination with federal, state, and local agencies, and permitting.

Visibility and Aesthetic Assessments

Brian is responsible for managing APT's visual evaluations to determine the effects of proposed developments on the surrounding environment. Utilizing the combination of predictive computer modeling and in-field analysis, Brian and his team can assess visibility on both a quantitative and qualitative basis. These assessments include viewshed mapping to depict areas of potential seasonal and year-round visibility and photographic simulations depicting scaled renderings of a project to demonstrate the character of the development in its setting. The product is considered the standard for CT Siting Council submissions requiring Visibility/Aesthetic Assessments.

Environmental Siting and Permitting Services for Wireless Telecommunications Clients

Brian has been providing siting, land planning and permitting services on behalf of various telecommunications and wireless service providers and tower builders throughout the Northeast and Mid-Atlantic States. He has testified on behalf of numerous clients regarding environmental and aesthetic considerations in front of local municipalities, the Connecticut Siting Council and other state agencies. Representative services include: due diligence and land use evaluations; preliminary site screenings;

preparation of environmental compliance documentation, environmental assessments to fulfill NEPA requirements; and management of wetlands and vernal pool assessments; vegetative/biological surveys; noise analyses; visibility analyses; graphic support; securing regulatory, zoning, and building permits; and, environmental monitoring during and post-construction.

Environmental Telecommunications Regulatory Management, Major Wireless Carrier, CT

Brian serves as the Program Manager of regulatory compliance for a major wireless service provider in their Connecticut market. He is responsible for ensuring that all sites in the client's CT portfolio are in compliance with federal and corporate regulatory requirements. Brian provides the following representative services: environmental and regulatory reviews including compliance with National Environmental Policy Act requirements for telecommunication facilities (including Section 106 reviews); consultations with the State Historic Preservation Office, Tribal communities; the Federal Aviation Administration; and the Federal Communications Commission

Environmental Siting and Permitting Services for Renewable Energy Clients, Connecticut

Brian has served as the Project Manager on multiple commercial renewable energy projects, including solar and fuel cell electric generating facilities. Brian has been responsible for the preparation of environmental assessments and Petition filings to the Connecticut Siting Council. Representative services include overseeing; environmental due diligence and feasibility evaluations; site/civil engineering design support; wetland delineations; vernal pool impact studies; habitat and wildlife assessments; breeding bird surveys; visibility assessments; archaeological surveys; consultations and coordination with state agencies; development of natural resource protection measures; and stormwater management.

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Education

Muhlenberg College, B.A. Business Administration, May 2011
Concentration in Entrepreneurial Studies