



Education: A.S., Architectural and Building Eng, Vermont Technical College 1973

Registrations: Civil Engineering: VT 6534 Civil Engineering: ME 6808
Certified Site Technician: VT 169 Certified Plumbing Engineer
Subsurface Disposal Designer: NH 0819

Mr. Benson has over 30 years of experience in design, management, and budgetary responsibility for projects involving land development, transportation, utility, site engineering and environmental permitting. He oversees project approach, staffing, client coordination, scheduling, quality control, and regulatory agency coordination/permitting. His training and experience encompass civil/site engineering, and Federal, state and local environmental permitting throughout northern New England.

His project experience encompasses feasibility studies, economic analyses, hydraulic capacity studies, site and soils investigations, design and construction inspection/administration. Responsibilities also include preparation of permits and compliance with Agency of Natural Resources, Army Corps of Engineers and the District Environmental Commission Permits/Programs.

John has a thorough working knowledge of new updated stormwater regulations and has been responsible for the development of numerous stormwater management plans. He has orchestrated, prepared applications, and presented evidence at numerous Act 250 hearings before District Environmental Commissions, the Water Resources Board, the Environmental Board, local planning commissions, Development Review Board and zoning boards. Mr. Benson has been an active participant in the development of Vermont's new stormwater regulation from providing testimony to the House relevant to Act 109, submitting documents on the draft rules to ANR and as an active member of the Vermont American Council of Engineering Companies Stormwater subcommittee engaged in the review/comment of draft stormwater permits/regulations. John has also prepared numerous erosion control plans over the past 20 years. Following is a summary of Mr. Benson's experience.

Green Mountain Power Corporation. Evaluation of three potential sites, including soils evaluation, for on-site wastewater disposal for new maintenance facility.

U.S. Border Station, General Services Administration, Derby Line, Vermont. Environmental Engineer for innovative wastewater disposal system design for new U.S. Canadian Border crossing facility.

Gifford Medical Center, Randolph, Vermont. Civil/Site and permitting services including Act 250 for parking, access, sidewalks, grading and drainage improvements associated with major hospital expansion.

Bell Atlantic Mobile, Inc., Wireless Communication Sites, Vermont. Project Manager for development and planning projects for communication sites. Included performance of site searches to identify and evaluate potential communication facility sites with respect to access, power, environmental, and regulatory constraints.

Plastics Related Company, Northern New England. (Client Confidentiality Agreement) Civil engineering Project Manager for multi-building 700-acre campus. Design included 230,000-SF manufacturing facility including drainage, stormwater management, and parking (three separate lots); 2,200-LF access road; railroad overpass; extension of municipal water and sewer services; wastewater pumping station, a separated fire line, power transmission line upgrades and a new substation. Managed permitting process and received approval for three additional manufacturing facilities (530,000-SF) a wellness center, and a new access road from U.S. Route 7, including a bridge across Arrowhead Mountain Lake. Permitting including federal (Army Corps of Engineers), state (Act 250, Act 248, water, wastewater, lakes and ponds, stormwater, water quality, air quality, wetlands and local (subdivision and site plan).

Arrowhead Mountain Lake, Milton, Vermont. Assisted Winooski Partnership in the development and Act 248 permit application for a cogeneration facility in Milton.

Central Vermont Memorial Civic Center, Montpelier, Vermont. Coordination of civil and structural engineering design and permitting services for new regional multi-purpose recreational facility and civic center. Oversaw water supply, wastewater disposal, stormwater discharge, wetlands delineation, and Land Use permitting. Building is used for youth and adult sports leagues and civic activities, supporting an ice rink for hockey, figure skating, speed skating during winter months and astrograss for indoor soccer, lacrosse, field hockey, and baseball during spring and summer months. Facility also used for large public events.

Site Evaluation, North Country Workforce Development Center. Provided site evaluation services for over half dozen sites to accommodate new 25-acre Vermont facility. Site evaluation resulted in matrix development for each site against approximately 50 criteria.

BDCC Exit 1 Industrial Park, Brattleboro, Vermont. Design and permitting assistance associated with new community industrial park in Brattleboro.

Multi-Discipline Engineering & Permitting, Client Confidentiality Agreement, Somersworth, New Hampshire. Project Manager for multi-discipline engineering and permitting services, for 195,000-SF addition to manufacturing campus. Engineering services include: survey, civil/site, utilities, mechanical, electrical, stormwater management, and site lighting. Permitting services include all required permits for project.

Manufacturing Facility, Client Confidentiality Agreement, Somersworth, New Hampshire. Civil/site engineering services on \$15-million, 300,000-SF manufacturing/warehouse/ office facility design/build project. Programming and master planning for future build-out of 160-acre campus.

Middle Road Bridge and Chippenhook Bridge, Clarendon; Junction Road Bridge, Montpelier/Berlin; and Reed Hill Bridge, Whitingham. Environmental Permitting Manager for improvements to four bridges. Permits included Land Use (Act 250), Title 19 Stream Alteration, Stormwater Discharge, Wetlands Conditional Use Determination, Endangered and Threatened Species, Corps of Engineers Nationwide, Lakes and Ponds, 401 Water Quality Certification, and Historical and Archaeological clearances, and local permits. Firm also provided engineering, design and construction phase services.

Environmental Services Indefinite Delivery Contract, Vermont Agency of Transportation. Project Manager for three consecutive three-year contracts for environmental services including assessment and reporting of environmental impacts due to various transportation related actions. Assisting in development of selected environmental management tools. Contract encompasses: NEPA documentation, environmental assessment and constraint analysis, Act 250 permitting and compliance, visual impact assessments, mitigation designs, and wetland delineation. Specific assignments include:

- **Route 7/Shelburne Road Upgrade/Widening, Shelburne/South Burlington, Vermont.** Landscaping, drainage improvements, and permitting Project Manager for improvements to four lanes and adding curbs, median strips, and sidewalks. Provided permitting acquisition services for Land Use (Act 250), State Wetlands Conditional Use Determination, Corps of Engineers 404 Permit, State 401 Water Quality Certification, Title 19 Stream Alteration Permit, and Stormwater Discharge Permit applications.
- **Fair Haven Airport, Fair Haven, Vermont.** Completion of an Environmental Assessment for proposed impacts, including a new runway, taxiway, tie downs, fuel farm, HBO facility and hanger at the Fair Haven Airport.
- **Route 9, Searsburg-Wilmington, Vermont.** Permitting assistance for upgrade of 3.7 miles of VT Route 9, including Stormwater Discharge Application, Act 250 assistance, and development of construction documents for a wetland mitigation site.

- **U.S. Route 2, Cabot-Danville, Vermont.** Permitting assistance associated with the upgrade/reconstruction of three segments of U.S. Route 2 within the communities of Cabot and Danville, Vermont. This project includes the design of a mitigation site to compensate for unavoidable wetland impacts.

Biological Services Indefinite Delivery Contract, Vermont Agency of Transportation. Contract Manager for three consecutive three-year contracts for wetland delineation, evaluation, mapping, impact assessment, and mitigation services for variety of projects, including road and bridge reconstruction, new alignments, alternative alignment studies, and compensatory wetland mitigation site searches.

Chittenden County Circumferential Highway, Vermont Agency of Transportation. State and Federal permitting for 16-mile limited access highway in Chittenden County. Permits included State Land Use Permits (Act 250), Stream Alteration (Title 19), Stormwater Discharge, 401 Water Quality Certification, Army Corps of Engineers 404 Permit, and Section 6(f) and 4(f) documentation. As part of the 404 permit process, assisted in design of three wetland mitigation complexes, two of which have been constructed. Coordinated with and managed engineering design teams, environmental specialists, landscape architects, designers, drafters, and coordinated with various state and federal regulators with jurisdiction over project and VTrans.

Bennington Bypass, Vermont Agency of Transportation. Project Manager for visual assessment and environmental permitting for proposed 10-mile bypass. Management and coordination with State and Federal Regulatory Agencies, general public, technical staff, design engineers, Agency of Transportation, Federal Highway Administration, and various special interest groups. Facilitation and resolution of a major hurdle that developed in Army Corps of Engineers' permit process by bringing together US EPA, Army Corps of Engineers, Federal Highway Administration, and Vermont Agency of Natural Resources and presenting a logical basis upon which decisions could be made. Proposed bypass route will encircle Bennington Central Business District (8.1 miles) and terminate in New York State (1.5 miles). Bypass long history of discussion and evaluation began in late 1950's. VTrans prepared Bypass Draft Environmental Impact Statement (DEIS) and retained DuBois & King's engineering and environmental assistance in resolving DEIS comments, refining selected build alternative, and developing an FEIS in accordance with Federal Highway Administration guidelines. Provided expert witness testimony at the Bennington Bypass necessity hearing relevant to environmental studies and NEPA performed on behalf of the Vermont Agency of Transportation and the Federal Highway Administration in support of the project.

Craig Brook Fish Hatchery Project, United States Fish and Wildlife Service, East Orland, Maine. Environmental Planner and Civil Engineer for \$6.5-million expansion for country's oldest Salmon Hatchery. Responsible for analysis of environmental consequences, report preparation and permitting services; wetland boundaries, NEPA Environmental Assessment. Assisted in obtaining MDEP Natural Resource Protection Act Permit, US Army Corps of Engineers Section 404 Permit, MDEP Lake Discharge Permit and local and state plan review.

Vermont Granite Museum, Barre, Vermont. Extensive adaptive reuse for granite sheds. Cooperation with City of Barre Department of Public Works and VANR Regional Engineer regarding water, sewer, stormwater requirements; confirm site access with Barre DPW and VTrans; perform wetlands screening; and design development for utilities, roads, parking areas, pedestrian/bicycle pathway, and drainage. Permitting assistance, included local permitting (zoning change request, zoning permit, conditional use approval, water/wastewater/ sprinkler allocations, transportation advisory committee review, site plan approval, building/electrical/ plumbing permits), state permitting (water supply/wastewater disposal, permit-to-construct, stormwater discharge permit, general permit, stream alteration permit, 401 water quality certification, at-grade railroad crossing, Act 250 land use), and Federal permitting (COE statewide permit).

Burlington International Airport, Burlington, Vermont. Project Manager for design/permitting of wetland creation area to compensate for impacts associated with the BTV south end project.