



Geoffrey F. Smith, PE



POSITION

Vice President
Principal Engineering Manager
Transportation Department
Manager

EDUCATION

Bachelor of Science Civil
Engineering
University of Illinois - 1988
Associates of Science Degree,
Pre-Engineering
*Highland Community College -
1986*
Associates of Science Degree,
Civil Technology
*Morrison Institute of Technology -
1983*

EMPLOYMENT HISTORY

IDOT, 1983 - 2005
Rubloff, 2005 - 2008
Willett, Hofmann & Associates,
Inc., 2008 - Present
37 Years Total Experience

REGISTRATION

PE/IL/1994 062-049202
PE/WI/2011 41863-006
PE/IA/2011 20645

SOCIETIES AND HONORS

Illinois Society of Professional
Engineers

WORK EXPERIENCE

Geoff is the Transportation Department Manager and has 37 years of experience in the transportation field. For 22 years Geoff worked for the Illinois Department of Transportation. Throughout his IDOT career Geoff held positions as Location Studies Engineer, Project Support Engineer, Geometric Engineer, Design Squad Leader and Resident Engineer. His diverse experience required him to master a variety of tasks required for planning, developing, implementing, and maintaining the IDOT transportation system. After leaving IDOT, Geoff was employed by Rubloff Development as Vice-President of Site Development and Site Construction. Geoff was in charge of both the development process and the site construction for each development.

As a result of his experience, Geoff has the capability to see your transportation project from many different angles, resulting in a project done as efficiently and as cost effectively as possible.

PROJECT EXPERIENCE

IDOT - Creston Road over I-39 Bridge Repairs

Geoff was the Project Manager and provided QA/QC for development of the overall Traffic Management Plan which analyzed four alternatives for handling traffic for the bridge repairs of the Creston Road Bridge over I-39. The plan included conceptual plans for several of the alternatives. After the submittal of the plan and approval, the team was tasked with developing a Traffic Control Plan and construction plans for median cross-overs for use with staging the rehabilitation portion of the project. The plans included staging for building the median crossovers, roadway widening, temporary lighting and IDOT's bridge rehabilitation plans. The plans are completed, and the project was on a September 2018 letting.

Winnebago County Highway Department - Perryville Road over UP RR

Geoff performed roadway design review for the removal and replacement of a three-span steel girder bridge located on Perryville Road in Winnebago County.

City of Joliet - Washington Street Bridge over Spring Creek

Geoff was the Project Manager for the roadway and detour portions of the rehabilitation of a single span reinforced concrete slab structure in the City of Joliet. Washington Street was closed for construction. WHA developed roadway plans and specification and the Detour plans for this project.

City of Joliet - Caton Farm Road over DuPage River

Geoff was the Project Manager for the roadway and detour portions of the rehabilitation of a three-span precast prestressed deck beam structure in the City of Joliet. Caton Farm was constructed under staged traffic and Lily Cache Road was closed. WHA developed Traffic Management Analysis and a Transportation Management Plan for this project. The roadway plan and specifications were completed as a portion of the Bridge Replacement plans.



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CONTINUING EDUCATION

IDOT - Documentation of Contract Quantities, 2018
IDOT - Erosion & Sediment Control Module III, 2016
IDOT - Understanding Specifications, 2016
IDOT - Erosion & Sediment Control Design, 2015
IDOT - Fundamentals of Erosion & Sediment Control, 2015
IDOT - ADA/PROWAG, 2015
IDOT - S-33 Soils Field Testing & Inspection, 2013
IDOT - PCC Level I, II & III Certified Technician Course, 2013
IDOT - Aggregate Technician Course, 2011
IDOT - Hot Mix Asphalt Level I, II, III, 2012
IDOT - Pavement Maintenance, 2011
IDOT - ADA/PROWAG, 2011
IDOT - Nuclear Density Testing, 2011
IDOT - Recycled Materials in Hot or Warm Mix Asphalt, 2012
IDOT - Retroreflectivity, 2010

IDNR - Hennepin Canal Breach Near Lock #7

Geoff was the Project Engineer for the emergency repair of a levee breach near the canal's lock #7 just east of Tiskilwa, IL. Geoff was responsible for the levee design.

IDNR - Hennepin Canal Bike Path Erosion Repair

Geoff was the Project Engineer for the design and repairs of the erosion of the Hennepin Canal Berm adjacent to Bureau Creek. Geoff was responsible for trail design and accessibility code management. He also was tasked with permitting.

Ogle County Highway Department - Macklin Road over Stillman Creek

Geoff performed roadway design review for the removal and replacement of a three-span reinforced concrete slab bridge that included new guardrail system.

Village of Walnut - Main Street over Walnut Ditch

Geoff performed roadway design review for the removal and replacement of a three-span composite steel girder structure in the Village of Walnut, IL.

Stephenson County Highway Department - N. Ayp Road over Br. of Pecatonica River

Geoff performed roadway design review for the removal and replacement of a single-span precast prestressed concrete deck beam structure in Stephenson County.

City of Dixon - Downtown Streetscape

This project was the design of a 5-block area in downtown Dixon. Improvements and upgrades were made to streets, sidewalks, drainage facilities, watermains and water services. Parking was increased in certain areas and parking lots were re-graded to better facilitate ADA parking. The reconstruction also included adding landscaping enhancements. Street grades and turning radii were improved, sidewalks were reconstructed to meet ADA requirements, and retaining walls were removed and replaced for safety and aesthetics. Where practical, all business entrances were upgraded to meet ADA compliance and the Commerce Towers entrance had a pull off/ drop off area added.

City of Sterling - Streetscape Project

This project was the design of a 2-block area in downtown Sterling. Improvements and upgrades were made to sidewalks, drainage facilities and on an existing retaining wall. The reconstruction also included adding landscaping enhancements. Street upgrades and turning radii were improved and sidewalks were reconstructed to meet ADA requirements. Where practical, all business entrances were upgraded to meet ADA compliance.



Winnebago County Highway Department - Bell School Road

Project included the reconstruction of an existing two-lane rural facility to a five-lane urban section including curb & gutter, storm sewer facilities, traffic signals at three intersections, grading and layout for future bike path, full-depth hot-mix asphalt pavement, ADA compliance, and related appetencies. Engineering services included complete route and land survey, R.O.W., new alignment design, storm sewer design, traffic signal design, intersection design studies, roadway design, aerial photography, and final plans and specifications.

City of Dixon - River Street Reconstruction

Geoff was the Project Manager for the reconstruction of River Street from Galena Avenue to River Road (IL Route 2) in Dixon, IL. The project included new horizontal and vertical alignments, pavement design, drainage design, intersection modification layout, lighting design, shared use path design, topographic survey, ROW services, construction inspection, documentation, and layout.

City of Rochelle - Steward Road Truck Facility

Geoff was the Project Manager for this project that involved the upgrading of 1,600 feet of Steward Road to accommodate a proposed highway Travel Stop Facility in the north east quadrant of the Steward Road and IL Route 251 intersection, located in Rochelle, IL. Access for the facility will be from Steward Road. This intersection is adjacent to I-88 and IL Route 251 interchange. Steward Road required upgrading from a two-lane two-way facility to a three-lane facility that is expandable to a five-lane facility. A shared-use path will be added to the north side of Steward Road through the project area. Drainage for this area will be upgraded and to accommodate the roadway expansion and the path, a storm sewer system will be added.

City of Sterling - West 3rd Street Reconstruction

This project was the complete reconstruction of 3rd Street in Sterling, IL from Avenue G to Avenue C. This roadway connects the two structures that cross the Rock River between the cities of Sterling and Rock Falls. The roadway needed complete replacement including a new profile and upgrades to the storm sewer system. A large component of the design was to develop a profile that improved the drainage and still had minimal impact on the many access points and properties along the project. The major project items included new sub-base, concrete curb & gutter, concrete pavement, storm sewer and appurtenances, and sidewalks with ADA compliant ramps. During the development of the project the issue of concrete pavement versus asphalt pavement costs was discussed. To allow for the lowest cost given the volatility of the oil prices, a complete set of plans and specifications were developed for both asphalt and concrete options and bid as alternatives. WHA assisted in the bid process, contract development and construction engineering. The project was constructed under traffic staging and funding for the project was from local tax dollars.



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City of Rochelle - Southwest Rochelle Truck Loop - Brush Grove & Gurler Road Traffic Study

Geoff was the Project Manager for this project which included the study and plan development for the complete rebuilding of the Brush and Gurler roads adjacent to the Rochelle Union Pacific Intermodal Facility. Geoff was responsible for Phase I design of this project, which consisted of the reconstruction and expansion of Gurler and Brush Grove Roads with new horizontal and vertical alignments and two new structures over the Kyte River. Other responsibilities included geometric designs of intersections, drainage solutions, and the preparation and submittal of plans through the IDOT process in strict coordination with the Ogle County Highway Department, Lee County, and the City of Rochelle.

Mercer County Highway Department - Joy Road Reconstruction

Geoff performed project management, roadway and drainage design element and development of the project report. This project consisted of preliminary engineering (Phase I) for base reclamation, 8" of new aggregate and A-3 treatment on 10.5 miles of CH 9 from the north edge of Joy to the Rock Island County Line. Project also included preliminary engineering for the removal and replacement of crossroad culverts, entrance and side road culverts, guardrail upgrades, tree removal and ditch grading to improve drainage. A major component for this project was working with a limited budget for construction and use of limited ROW.

Illinois Department of Transportation - U.S. Route 20 Storm Sewer, Water Main, and Sanitary Sewer Replacement in Galena, IL

The project consisted of the reconstruction of U.S. Route 20 thru a portion of the City of Galena, IL. Geoff was the Project Manager for the highway portion of the project. His expertise was used to guide the team for storm water modeling and design of a storm sewer system to meet 50-year storm requirements as requested by IDOT. The design for the project also included the relocation and reconstruction of the existing sanitary sewer and water main system such that they would meet all the applicable Illinois Environmental Protection Agency slope and separation requirements. Staged construction of the proposed highway improvements made it necessary to incorporate measures to maintain drainage, water, and sanitary flows during the various construction stages of this project.

City of Rochelle - Lighthouse Pointe Site Development Review

WHA was retained by the City of Rochelle to assist in the review of the Lighthouse Pointe Planned Urban Development on the east side of Rochelle. The development involved the construction of a Wal-Mart and several out lots on a 100 plus acre site and included an internal road system, a massive retention pond system, new water, storm and sanitary facilities, off-site roadway improvements, and mass grading plans. Parts of the site were built at or near flood plains and floodways. The site also required a letter of map revision for the Wal-Mart facilities as well as calculations to determine the new flood elevation. Geoff was responsible for the review of all planning and design elements of the project including the plat, mass grading plans, drainage, and roadway design. Access and drainage items needed to be coordinated with the Illinois Department of Transportation. Geoff was responsible for assuring the plans and specifications complied with the City's current ordinances. The Development for the Lighthouse Point project has been ongoing.



I-74 Iowa-Illinois Corridor Study

Study of the I-74 Corridor that extends from Avenue of the Cities in Moline, IL to 53rd Street in Davenport, IA, including the Mississippi River Crossing. Geoff coordinated the public involvement process, established alignments for the study, and held initial public meetings.

IL Route 64 from Mt Morris to IL 26

Widening and resurfacing of Route 64 from the Community limits to the intersection of IL Route 26.

Bureau County Highway Department - CH 8 over Iowa Interstate Railroad & Hennepin Canal

Geoff was the Project Manager for the roadway portion of this project. The project consisted of the removal and replacement of the existing six span structure and the rehabilitating and relocating of an historic thru pratt truss. The roadway portion of the project included raising the profile of C.H. 8 approximately 10' which resulted in realignment of Tow Path Road, reconstruction of the railroad crossing at Tow Path Road, reconstruction of a portion of the Shared Use Path running parallel to the Hennepin Canal, extending an existing double barrel (11'-0" x 11'-0") reinforced concrete box culvert 110'-0" to give a final length of 240'-0", and approach roadway work on the township route leading up to the new home of the historic truss.

US Route 20 from Freeport to Galena

Environmental Impact Study and Phase I Engineering Study for a new 50-mile four-lane highway from Freeport to Galena. Geoff held public meetings for the review of the technical reports, organized public hearings, and submitted a Record of Decision.

Milan Beltway Extension

Environmental Impact Study and Phase I Engineering Study that extended the Beltway across the Rock River and connected with IL Route 5 in Rock Island. Geoff coordinated the design approval and obtained the Record of Decision.

IL Route 26 from Princeton to Bureau Junction

Widening and resurfacing of IL 26 from the US 6 intersection in Princeton to the railroad crossing in Bureau Junction. Project included bridge reconstruction, several mainline and side road realignments, and constructing new ramps for the I-180 interchange to raise ramps from flood plain of Bureau Creek. Geoff completed the construction plans on behalf of IDOT.

US Route 30 from Fulton to Rock Falls Project

Environmental Impact Study and Phase I Engineering Study for enhancing the roadway between Fulton and Rock Falls. Geoff set project schedule, developed public involvement process, and held the first round of Public meetings.



US Business Route 20 West State Street Corridor

The project was a partnership between IDOT and the City of Rockford to combine urban renewal and facility upgrades into one project. The project had extensive public involvement and numerous meetings were held with the community. The project has an approved Environmental Assessment (EA) and construction plans are being completed. Geoff acted as IDOT representative for the Project Steering Committee and managed the project phase I design.

IL Route 92 Traffic Impact Study, Quad Cities

This project was a study performed for the City of Rock Island to study the IL Route 92 Corridor through Moline and Rock Island. The study was intended to make recommendations for both removing and adding one-way couple segments through both communities. Geoff was liaison and project coordinator for IDOT.

US Business Route 20 from Alpine Ave. to Perryville Rd. in Rockford

Widening and resurfacing of Route 20 through the expanding commercial area adding turn lanes and revising intersection geometrics. Geoff completed the construction plans on behalf of IDOT.

US Business Route 20 from Buckley Drive to the Clock Tower Entrance

Project consisted of a complete reconstruction of US 20 and improving the geometrics of the intersections. Geoff completed the construction plans on behalf of IDOT.

Reconstruction of the Big X Interchange

Reconstruction / re-alignment of the ramps for the I-80, I-74, and I-280 interchange, commonly referred to as the Big X. Geoff completed the construction plans on behalf of IDOT.

Lot 2 of Lighthouse Pointe Wal-Mart Addition - Multi tenant commercial building. WHA was retained by the City of Rochelle to review site plans and drainage for compliance with City ordinances.

Lot 7 of Lighthouse Pointe Second Addition - Kishwaukee Medical Clinic. WHA was retained by the City of Rochelle to review site plans and drainage for compliance with City ordinances.

City of Rochelle - Coated Sand Solutions

WHA was retained by the City of Rochelle to assist with the review of the planning and design documents for a 28-acre Coated Sand Solutions development in Rochelle's south industrial area. The site development involved access to a County Highway, extension on rail spurs, site planning and drainage, flood plain and wetland issues. Geoff was brought in to assist in the review of the site planning and preliminary permitting as well as the final design document and permitting. Geoff was responsible for assuring the plans and specifications complied with the City's current ordinances.

US Route 30 IL 251 to Shabbona

Widening and resurfacing of US 30 from the IL Route 251 to Shabbona Road including the re-alignment of the curves just to the west of the Village. Geoff completed the construction plans on behalf of IDOT.



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US Route 34 from Euclid Avenue in Princeton to I-80

Widening and resurfacing of US 30 with intersection improvements, and rehabilitation of the railroad structure. Geoff completed the construction plans on behalf of IDOT.

IL Route 26 from Princeton to Bureau Junction

Widening and resurfacing of IL 26 from US 6 intersection in Princeton to the railroad crossing in Bureau Junction. Project included bridge reconstruction, several mainline and side road realignments, and constructing new ramps for the I-180 interchange. Geoff completed the construction plans on behalf of IDOT.

Tiskilwa Spur over the Hennepin Canal

Project consisted of the removal of the existing truss bridge and replacing it with 12'x12' box culverts. The mainline required both horizontal and vertical realignments to meet current standards as well as the realignment of adjacent roadways. Geoff completed the construction plans on behalf of IDOT.

IL Route 251 from River Lane to Pearl Ave

Project was a coordinated effort with the Army Corps of Engineers for a Flood control project. The drainage canal was reconstructed along with this portion of IL 251. Geoff completed the construction plans on behalf of IDOT.

IL Route 26, US Route 52, Galena Ave., in Dixon, IL

This project consisted of the reconstruction of IL Route 26, Galena Avenue, from IL Route 2 (2nd Street) to IL Route 2 (Everett Street), with new Rock River Structure and intersections. Geoff performed the Utility and Railroad coordination. Geoff work with the different utilities for relocations which involved the gas, water and communication companies trenching and boring in a new joint river crossing. Geoff coordinated with the railroad to negotiate the elimination of a \$1,500,000 rail crossing on the highway for a rail line.