



**Milano & Grunloh
Engineers, LLC**
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OWNERS
LEE R. BECKMAN, P.E., P.L.S.
DOUGLAS C. GRUNLOH, P.L.S.

LICENSEES
NICHOLAS E. BURRUS, P.E.
CHARLES R. MCGHEE, P.E.
MICHAEL A. TAPPENDORF, P.E.

Professional Services Resume Street Projects



114 West Washington Avenue | P.O. Box 897 | Effingham, Illinois 62401
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Visit our website at www.mgengineers.com!

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Corporate Overview

Milano & Grunloh Engineers, LLC, a locally owned and operated consulting company, has provided complete civil engineering, construction, and surveying services to Effingham County and the surrounding areas since 1979. The Company has 20+ full time employees consisting of engineers, surveyors, technicians, computer operators and clerical assistants with over 80 years of combined municipal experience.

Milano & Grunloh Engineers, LLC provides Illinois Professional Engineering and Land Surveying services, as well as complete Civil, Municipal, Transportation, and Environmental Engineering services utilizing state of the art computer programs and GPS.

Our greatest asset is our ability to work closely with our clients throughout the project and to develop long term relationships with those clients. We take pride in being a local company employing local people while working together with our clients as a team.



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Project Management Team

Lee R. Beckman, P.E., P.L.S.

Owner / Project Manager

Lee, a licensed Professional Engineer and Professional Land Surveyor, began his career with Milano & Grunloh Engineers, LLC in 1999, and became a partner in 2002. He is a graduate from the University of Illinois with a Bachelor of Science Degree in Civil Engineering. He is a member and past President of the Ambraw Chapter of the ISPE, and a member of the National Trail Chapter of the IPLSA. Lee has extensive experience in sewer system design, water system design, municipal engineering and project administration.

Douglas C. Grunloh, P.L.S.

Owner / Project Manager

Doug, a Professional Land Surveyor, began his career with Milano & Grunloh Engineers, LLC in 1992 and became a partner in 2014. He is a graduate from the Southern Illinois University at Carbondale with a Bachelor of Science Degree in Industrial Technology. He is a member and past President of the National Trail Chapter of the IPLSA and a member of the NSPE. Doug is a proficient CAD operator and has extensive experience in boundary surveys, construction staking, material testing, topographic surveys and ALTA surveys. He handles the day-to-day operation of the field survey crew, as well as, construction staking and material testing.



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Nicholas E. Burrus, P.E.

Project Manager / Project Engineer

Nick, a licensed Professional Engineer, began his career with Milano & Grunloh Engineers, LLC in 2014. He is a graduate from the Southern Illinois University at Carbondale with a Bachelor of Science Degree in Civil Engineering. Nick specializes in site design, drainage, road and street-scape design, ADA and PROWAG guidelines, and water and sewer infrastructure.

Charles R. McGhee, P.E.

Project Manager / Project Engineer

Chuck, a licensed Professional Engineer began his career with Milano & Grunloh Engineers, LLC in 2018. He is a graduate from the Southern Illinois University at Carbondale with a Bachelor of Science Degree in Civil Engineering. Chuck has 10+ years experience as a Professional Engineer and is proficient in site design and municipal engineering.

Michael A. Tappendorf, P.E.

Project Manager / Project Engineer

Michael, a licensed Professional Engineer, began his career with Milano & Grunloh Engineers, LLC in 2012. He is a graduate from the Southern Illinois University at Edwardsville with a Bachelor of Science Degree in Civil Engineering. Michael is proficient in site design, drainage calculations, stormwater pollution prevention planning, water and sewer permitting, as well as, street and sidewalk design and regulations set forth by the American Disabilities Act and Public Right-of-Way Accessibility Guidelines.



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Services Offered

Surveying & Mapping Services

- Aerial Photography Control Surveys
- Boundary/ALTA Surveys
- Land Surveying
- Right-of-Way Location & Staking
- Site Development Feasibility Studies
- Site Planning & Design
- Subdivision Planning & Design
- Surface Water Studies
- Topography/DTM Survey
- Global Positioning Surveying

Construction Engineering Services

- Concrete Cylinder Testing
- Construction Inspection
- Construction Management
- Construction Surveying
- Quality Control/Quality Assurance
- Quantity and Cost Estimating
- Record Drawing and Final Construction Certifications
- Soil Moisture & Density Testing (Nuclear)
- Standard & Modified Proctor Laboratory Determination



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Drinking Water Resource Services

- Certified Operator
- Distribution System Analysis & Design
- Elevated Water Storage Facility
- Rate Studies
- Storm Drainage Design
- Water Distribution System Analysis & Design
- Water Supply and Treatment Facilities Design
- Water System Master Planning
- Wellhead Protection Assistance

Wastewater Treatment Services

- Chlorine Exemption
- Facility Planning
- Infiltration/Inflow Studies
- Master Planning
- NPDES Permit Assistance
- Pre-Treatment Inspection
- Rate Studies
- Sewer Rehabilitation Studies
- Sludge Disposal Permit Preparation
- Wastewater Collection & Planning
- Wastewater Plant Capacity Studies
- Wastewater Treatment System Design



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Transportation Services

- Location Studies
- Railroad Engineering
- Route Surveying
- Stormwater Drainage Design
- Streetscape Design
- Streets and Road Design
- Traffic Signal Design
- Traffic Signal Warrant Studies
- Transportation Impact Studies
- Utility Engineering

Funding & Grant Administration Services

- Department of Commerce & Economic Opportunity (DCEO)
- Department of Natural Resources (DNR) Grants
- Economic Development Administration (EDA)
- Financial Application Preparation
- Grant Application Preparation
- IDOT Grant Administration
- Planning Grants
- State Revolving Loan Fund
- U.S. Department of Agriculture (USDA) Rural Development



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Statement of Qualifications

- Over 80 Years of Municipal Experience
- 20+ Personnel Technical Staff
- Centrally Located in Effingham, Illinois
- Licensed Professional Management
 - Lee R. Beckman, P.E., P.L.S
 - Douglas C. Grunloh, P.L.S.
 - Nicholas E. Burrus, P.E.
 - Charles R. McGhee, P.E.
 - Michael A. Tappendorf, P.E.
- Complete Computer Automation
 - AutoCAD, Civil 3D Design, Word, Excel, EPANet
 - Provide the Client with Output in Digital Format
- Experience working with multiple Federal & State Agencies
- Successfully secured over \$48.2 million in DCEO Grant Funds



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IDOT Certifications

- Portland Cement Concrete Level I
- Portland Cement Concrete Level II
- Mixture Aggregate Technician
- Standard Earth Density Course
- Hot Mix Asphalt Level I
- Hot Mix Asphalt Level II
- Documentation of Contract Quantities
- ICORS Training
- S33 Field Testing and Inspection Course
- Fundamentals of Storm Water Pollution and Erosion and Sediment Control
- OSHA 10-Hr. General Industry Training Course
- OSHA 30-Hr. General Industry Training Course
- IDOT Certified In-House Testing Lab



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City of Arcola Safe Routes to School



The City of Arcola recently completed a Safe Routes to School project in 2014, which consisted of sidewalk removal and replacement, staff parking, and a drop lane for students and staff. This project increased the safety of students and staff members by allowing them to have a safe, direct route to the school. Milano & Grunloh Engineers assisted with all aspects of the project, which included acquiring funding, surveying, design and construction inspection.



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Village of Dieterich Main & Virginia Street Enhancements



The Village of Dieterich recently replaced deteriorated non-ADA sidewalks along Main Street and Virginia Street which had become a hazard to pedestrian traffic. The new decorative ADA-compliant sidewalks feature a red stamped concrete treatment, curbs and gutters, and decorative lighting. Not only did the sidewalk replacement reduce the hazards to pedestrian traffic, it enhanced the beauty of the downtown business district.

The Village utilized Illinois Department of Transportation ITEP Grant funds, and Village funds to complete the project. Milano & Grunloh Engineers, LLC provided Design Engineering, Grant Assistance, and Construction Inspection for the project.



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Effingham Railroad



The Effingham Railroad connects with the Canadian National/Illinois Central and CSX (formerly Conrail) Railroads (Burlington Northern has track rights over the CN/IC from Memphis). The Effingham Railroad Company serves the Effingham Business Park and the Effingham Industrial Park #2 in the southern part of Effingham. Milano & Grunloh Engineers furnished the preliminary survey, design and construction inspection. The project was under the supervision of IDOT Department of Railroad.



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City of Effingham Evergreen Avenue



Phase 1 of Evergreen Avenue consists of a 6,946 foot extension of Evergreen West of Effingham. Milano & Grunloh Engineers furnished the environmental report, preliminary and final engineering study and Right-of-Way on Evergreen West along with material testing, staking and construction inspection on parts of the road.



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Henrietta Street Storm Sewer



Milano and Grunloh worked with the City of Effingham to design and construct the Henrietta Street Storm Sewer, consisting of 1500 feet of 36" Storm Sewer, including boring 371 feet of 48" Steel Casing under the Railroad Right-of-Way and Illinois Route 40. Milano and Grunloh assisted in obtaining the necessary permits from the Railroad and State of Illinois. The cost of the Project was \$367,000.



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John Lange Avenue & West Fayette Avenue Frontage Road



John Lange Avenue and West Fayette Avenue Frontage Road were constructed to facilitate the New Roy Schmidt Honda Car Dealership. The project consisted of 2,433 feet of new street, curb and gutter, and sidewalk. Milano & Grunloh Engineers, LLC worked with Agracel, Roy Schmidt, and the City of Effingham to provide ALTA Surveys, Boundary Surveys, Preliminary and Final Subdivision Plats, and Street Designs on both streets. Milano & Grunloh also provided material testing, staking, construction inspection and GPS files for the project.



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City of Effingham North Raney Street



This project located within the City of Effingham consists of three phases. The project is approximately 2,600 feet and will consist of asphalt and concrete pavement along with curb and gutter, storm sewer, and sidewalk. Milano & Grunloh Engineers, LLC furnished the environmental survey request, design engineering, along with construction staking and material testing.



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City of Neoga—Kepp Avenue



This project consisted of constructing Kepp Avenue from Industrial Drive West in the City of Neoga, Illinois Industrial Park. Milano & Grunloh Engineers completed aspects of the project, including assisting in securing funding, design, surveying, and construction inspection.



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City of Newton Downtown Sidewalk Beautification



The City of Newton secured an approximately \$1 million ITEP Grant through the Illinois Department of Transportation. The City leveraged this grant with \$333,000 in City Funds to construct handicap ramps, detectable warnings, replacement of sidewalks which have excessive cross and longitudinal slope, removal of “double curbs” adjacent to existing sidewalks and other pedestrian friendly amenities. In addition, lighting was constructed throughout the project which will aid pedestrian’s visibility at night. The project was constructed around the Square and along the west side of Van Buren Street to Water Street.

Milano & Grunloh Engineers, LLC helped the City of Newton secure the ITEP Funding and completed all engineering for the project. Since the project is located along busy State Highways, it is almost certain to “catch the eye” of some travelers and encourage them to stop and explore the City of Newton and thereby provide economic benefits to the area by increasing local tourism. With the assistance of Milano & Grunloh Engineers, LLC, the City of Newton has successfully secured three ITEP Grants totaling over \$3 million.



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North Pointe Estates Subdivision & Storm Sewer



North Pointe Estates is a residential subdivision located on the North side of Dieterich, Illinois. North Pointe consists of approximately 100 residential lots, which is laid out on approximately 53 acres. Milano & Grunloh Engineers completed the survey work to assist the maximizing the lots on the amount of property available while creating a very pleasing environment for the residents of the subdivision. Milano & Grunloh Engineers also completed all necessary work to complete the street, sanitary sewer, water, and storm sewer design.



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City of Effingham Outer Belt West



This project, located in Effingham, Illinois, consisted of a 1,966 foot extension of the Avenue of Mid-America reconstruction of 2,484 feet of West Evergreen Avenue North of the Interstate 57/70; and new construction of 2,105 feet of Outer Belt West connecting Evergreen Avenue with Avenue of Mid-America. Milano & Grunloh Engineers furnished the environmental report, preliminary engineering study, design and Right-of-Way on Outer Belt West along with material testing, staking and construction inspection on parts of the road.