

Multiple Award-Winning Complete Street Project

Capability Statement



Founded on the principals of Servant Leadership, 143Engineers is a transportation engineering firm headed by Caroline F. Duffy, PE, a veteran of the transportation engineering field with more than 39 years of experience. Over the course of her career, Caroline has worked on several Metropolitan Sewer District of Greater Cincinnati (MSDGC) projects. 143Engineers can provide **traffic, maintenance of traffic, and traffic control study and design services** for your MSDGC project.



Ohio DOT Prequalifications

- Bicycle Facilities & Enhancement Design
- Non-Complex Roadway Design
- Interchange Justification/Modification Study
- Safety Studies
- Traffic Signal System Design
- Basic Traffic Signal Design
- Limited Highway Lighting Design
- Complex Highway Lighting Design
- ITS Design
- Cost Accounting System-Unlimited

MSD Previous Projects (personal projects)

- Lick Run Greeway Project
- Camargo Sewer Extension Project
- Northside Arterial Improvements Project
- CSO-179 Scarlet Oaks Regulator Project
- Mt. Airy Forest Sewer Replacement Project
- CSO-415 Stream Separation Planning Phase 1
- Dana Avenue Sewer Rehabilitation Project
- Grand and Selim Avenue Sewer Project
- Wesselman Sewer Project

Professional Organizations

- American Society of Civil Engineers
- American Council of Engineering Companies of Ohio
- American Society of Highway Engineers
- Institute of Transportation Engineers
- Little Duck Creek Task Force
- Saint Rita School for the Deaf
- University of Cincinnati, Civil Eng. Advisory, BOD
- Women Transportation Seminar

Firm Certifications

- DBE: Disadvantaged Business Enterprise, Ohio and Ky.,
- EDGE: Encouraging Diversity, Growth & Equity, Ohio
- **SBE: Small Business Enterprise, Ohio, Ky., City of Cincinnati, MSDGC, and Cincinnati Water Works**
- WBE: Women-Owned Business, City of Cincinnati and Hamilton County

143Engineers Personnel Certifications

- Professional Engineer, Ohio and Kentucky
- FHWA-NHI, Accessible Pedestrian Signals
- FHWA-NHI, Bicycle Facility Design
- FHWA-NHI, Designing for Pedestrian Safety
- FHWA-NHI, Human Factors Training
- FHWA-NHI, Roadside Safety Audits/Assessments
- FHWA-NHI, Signalized Intersection Guidebook
- HAWK Signal Training
- Intersection Capacity Analysis Training Course
- ODOT, ADA Self Evaluations/Transition Plan Training
- ODOT, GCAT Computer Training for Local Agencies
- ODOT, TIMS Computer Training
- ODOT, Highway Safety Manual Training
- ODOT, Intersection & Interchange Geometrics Design
- ODOT, Local Public Agency Training
- ODOT, OHGO Website Training
- ODOT, Public Right-Of-Way Accessibility
- ODOT, Railroad Preempted Traffic Signal Training
- ODOT, Right-of-Way Plan Development Training
- ODOT, Sign CAD Training
- Synchro Signal Timing Training Course

NAICS Codes

- 541330 – Engineering Services

Caroline Fox Duffy, PE
Owner



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