

KEM

K.E. McCartney & Associates, Inc.

ENGINEERS • PLANNERS • SURVEYORS

Leaders in LPA Project Coordination

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Local Public Agency (LPA) Local Let Projects

The Federal Highway Administration (FHWA) has authorized the Ohio Department of Transportation (ODOT) to delegate project activities on Federal-aid projects to Local Public Agencies (LPA)'s. All LPA Local Let projects require oversight from ODOT to ensure compliance with Federal and State laws and regulations. KEM is prequalified by ODOT to prepare the construction contract documents and right of way plans; perform real estate acquisition services; administer construction and provide inspection services for LPA Local Let projects.

KEM engineers and construction personnel have a long and successful history of delivering transportation projects for local public agencies including new roadway construction and reconstruction; a full range of traffic safety improvements, including traffic signal installation, traffic calming and traffic control improvements; along with bicycle/pedestrian facility design and construction.

KEM recognizes that successful project delivery demands dedicated experienced professionals to manage and support projects throughout all development phases. KEM can assist LPA's through the early development process by identifying eligible projects, assisting to secure the

necessary funding and finally programming the projects through ODOT.

Under the design phase KEM ensures that projects follow the Plan Development Process, the Right of Way Acquisition Process, and are environmentally compliant under the National Environmental Policy Act (NEPA) Process. Quality construction administration and inspection will help protect the owners by making sure that construction follows the contract documents, is completed on time and within budget. KEM can provide the entire package of construction services from bid document preparation to final acceptance and project close out.

KEM's professional staff has extensive experience with project management, engineering, planning, construction administration and inspection. This experience is highlighted on the following pages for the LPA projects noted below:

- SR 611-5.66 Improvements
- Bogart Road Improvements
- SR 57 Improvements
- Lexington Springmill Road Reconstruction
- Elyria Industrial Parkway
- Bowman Street Bridge Reconstruction
- O'Possum Run Road

KEM Services:

LPA Coordination

Feasibility Studies and
Conceptual Planning Studies

Financial and Funding
Services

Preliminary and Final
Design Services

Right of Way Plan Preparation

Right of Way Acquisition

Constructability Reviews

Bid Document Preparation

Bid Coordination

Construction Administration

Construction Inspection



KEM
Quality
since 1978

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SR 611-5.66 Improvements

Location: Village of Sheffield, Ohio

Services: KEM completed design services for this project under the ODOT Local Let process. The Lorain County Engineer was the sponsor agency for the 2.86 mile roadway widening in the Village of Sheffield. This \$5,000,000 project included widening the roadway to three lanes, improvements to the storm sewer system, three signalized intersections and the construction of

approximately one mile of bike trail as an extension of the Lorain County Metro Parks System. KEM's services included preliminary engineering, field survey, final design, environmental document preparation, right of way plans and right of way acquisition.

The project required an environmental site assessment and wetland mitigation to meet Army Corps of Engineer's requirements. In addition the project included an at-grade railroad crossing with extensive coordination with the railroad to accommodate the roadway widening. As noted KEM provided right of way acquisition services for approximately 30 parcels impacted by construction.



Bogart Road

Location: Erie County, Ohio

Services: KEM performed engineering design, right of way acquisition and provided construction inspection services for the widening and reconstruction of this 4.2 mile project. The construction cost was \$2,000,000 and utilized Federal Funds along with the LPA Local Let process through ODOT. It included roadway widening, storm sewers, a 45-foot structure replacement and new traffic signals. The County Engineer was contract administrator, with KEM providing on-site inspection services.



LOR-SR 57 Reconstruction

Location: Elyria, Ohio

Services: KEM provided construction contract administration and inspection services for 5.2 miles of four lane divided roadway around the east side of Elyria. This \$18,000,000 Local Let Project was administered under full Federal Highway Administration and ODOT oversight. Said project included pavement rehabilitation, reconstruction of seven signalized intersections, new highway lighting, drainage improvements, major structure work and extensive landscaping. Construction began in May 2008 and was completed in the fall of 2009. The pavement work was

originally planned to be constructed in three phases over a two year period. KEM expedited the schedule to have a majority of the work completed in the first year of construction, thereby providing a smoother roadway for the public and reducing lane restrictions in year two.

KEM conducted monthly progress meetings, coordinated utility relocation activity, approved material submittals, and informed the City of project activities. In addition KEM provided daily construction inspection services to assure compliance with plans and contract requirements. KEM inspectors have extensive experience with ODOT specifications and contract requirements. Written logs of project activity, and verification of completed quantities were performed on a daily basis. Pay requests were reviewed and approved in the field prior to

submission for payment. The project included a DBE goal of 7% for construction work. KEM monitored subcontractor work efforts and documented compliance with the DBE requirement. KEM prepared and submitted all pay requests and change orders to the City and ODOT for reimbursement of construction costs.

As this project was subject to **full Federal Highway Administration oversight**, project documentation, construction procedures and compliance with ODOT specifications were closely monitored. The project included 384 bid items to track quantities and items of work completed. KEM's extensive experience with ODOT LPA projects resulted in efficient administration and inspection for this challenging project.



Lexington Springmill Road Reconstruction

Location: Richland County, Ohio

Services: KEM provided construction administration and inspection services for the 1.24-mile reconstruction of Lexington Springmill Road, from Cockley Rd. to Home Rd. in Richland County. This \$3,500,000 Local-Let Project included realignment of the roadway and replacement of three structures. The project schedule was condensed which reduced the need for an inconvenient detour by one year.

KEM provided daily construction inspection services to ensure compliance with the plans and

specifications. KEM inspectors have vast experience with ODOT specifications and contract requirements.

Written logs of the project activity and verification of completed quantities were performed on a daily basis.

Pay requests were reviewed and approved in the field prior to submittal for payment.

KEM also conducted monthly progress meetings, coordinated utility relocation activity, and approved material submittals.



Elyria Industrial (Leo Bullocks) Parkway

Location: Elyria, Ohio

Services: KEM provided construction administration and inspection services for the 1.9-mile construction of a new four lane concrete parkway on the west side of Elyria. This \$5,000,000 Local Let Project included over 55,000 square yards of nine inch reinforced concrete pavement, 454 feet of 8'x4' reinforced concrete box culvert, three signalized intersections, and the relocation of a bike trail.

The project also included provisions to undercut unstable subgrade and

replace with suitable material. KEM monitored embankment construction and utilized geotextile fabric in selected areas to provide a stable subgrade. The reinforced concrete pavement was slipformed in two lane widths over an aggregate base. KEM monitored the concrete placement and provided quality assurance testing to verify compliance with specifications.

KEM conducted monthly progress meetings, coordinated utility relocation activities, approved material submittals, and informed the City of project activities. Written logs

of project activity, and verification of completed quantities were performed on a daily basis. Pay requests were reviewed and approved in the field prior to submittal for payment. This project included a DBE goal of 10% for construction work which KEM monitored for compliance. Through a combined team effort this project was completed on time and within the allocated budget.



Bowman Street Bridge Reconstruction

Location: Mansfield, Ohio

Services: KEM services included construction contract administration and inspection services for the Bowman Street Bridge Reconstruction in the City of Mansfield. This \$1,200,000 Local Let Project included replacement of the superstructure a 5-span bridge over two railroads. The continuous composite steel beams were re-used and field painted as part of the work scope.

For this project KEM conducted monthly progress meetings, coordinated railroad flagger activity, approved material submittals, and informed the City of

project progress. KEM also provided daily construction inspection services to ensure compliance with plans and contract requirements. Written logs of project activity, and verification of completed quantities were performed on a daily basis. Pay requests were reviewed and approved in the field prior to submittal for payment. The project included a DBE goal of 8% for construction work, which KEM monitored for compliance. In addition construction personnel observed the concrete placement and provided quality assurance testing to verify compliance with specifications.



RIC-CR 320-0.00 (O'Possum Run Road)

Location: Richland County, Ohio

Services: KEM completed design services for the reconstruction and widening of O'Possum Run Road, which included relocation of the existing intersection with State Route 13. The \$1,100,000 project was identified as a safety improvement project to provide improved sight distance. KEM's services included preliminary and final design, field survey, right of way plans and right of way acquisition.

The reconstruction consisted of curb and gutters, enclosed drainage system, water line relocation, extension of sanitary sewer and three signalized intersections. A local fire station was located within the project limits and required provisions to maintain access. The project funding included participation from the County, City of Mansfield, ODOT, OPWC and private commercial entities. The project also required extensive coordination between the private and public sectors due to a proposed Wal-Mart development, which affected the design, and maintenance of traffic for the roadway construction.



Showse Park, Vermilion, OH

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