

Response to Request for Statements of Qualifications - Professional Services

RFP #41-2024 - Indefinite Services Contract

Design Services

Right-of-Way Services

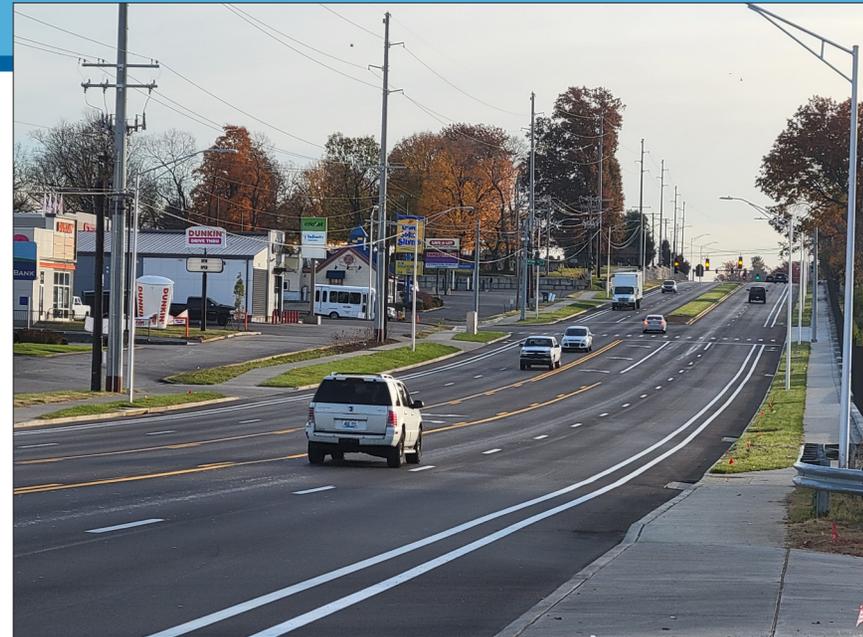
Construction Inspection Services

Lexington-Fayette Urban County Government



LEXINGTON

July 16, 2024





July 16, 2024

Mr. Todd Slatin, Purchasing Director
Lexington-Fayette Urban County Government
Room 338, Government Center
200 East Main Street
Lexington, KY 40507

RE: RFQ #41-2024—Indefinite Services Contract for Division of Engineering

Dear Mr. Slatin:

Preparing plans for Local Public Agencies (LPA) is a very rewarding endeavor. Palmer Engineering is dedicated to continuing our commitment to customer service and assuring LFUCG that all LPA policies are followed. Palmer has completed numerous LPA projects that varied in size and complexity, with several described within this proposal.

I will serve as Project Manager and will be the single point of contact for LFUCG. In addition to managing several LFUCG projects, I have managed each of Palmer's Statewide LPA contracts. I have developed a strong reputation for delivering challenging projects on a fast track and understanding the requirements for each of the funding sources. I serve as project manager for several federally funded LPA projects for LFUCG, including Town Branch Trail and West Loudon Avenue, and the locally funded projects—Harrodsburg Road Trail, Southland Drive Sidewalks, Mason Headley Widening, Versailles Road Streetscape, and Meadow Lane turn lanes. I also served as project manager for numerous other LPA assignments throughout Kentucky, including the challenging Winchester Ave Project in eastern Kentucky, the Louisville Loop Project in Central Kentucky, and multiple construction inspection projects in Northern Kentucky. As project manager for each project, I coordinated with the LPAs to ensure that plans were developed that met their goals and were within the project budget. To ensure the delivery of a successful project, the same attention was paid to plan development even though the projects had significantly different budgets and project constraints. As project manager for more than 80 LPA projects, I have developed an understanding of the challenges that LPAs face constructing these projects; as their engineer, I strive to assist them in any way possible until the project is complete.

The Palmer Engineering Team, with its extensive experience on LPA projects, meets all the required prequalification categories. We are fully prepared to submit for all three areas identified in the RFP, Design, Right-of-Way Services, and Construction Inspection.

We appreciate the opportunity to present our professional qualifications. If you have any questions, please contact me at 859-389-9293 or via e-mail at ssewell@palmernet.com. Palmer Engineering's previous experience with LPA projects, our commitment to exemplary customer service, and our technical qualifications make our firm the ideal selection for any of these projects. Our selection will result in a continued successful partnership with LFUCG for projects of all sizes. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Sewell', is written over the word 'Sincerely,'.

Stephen Sewell, PE, PTOE
Project Manager



RFP #41-2024 - Indefinite Services Contract

Design Services

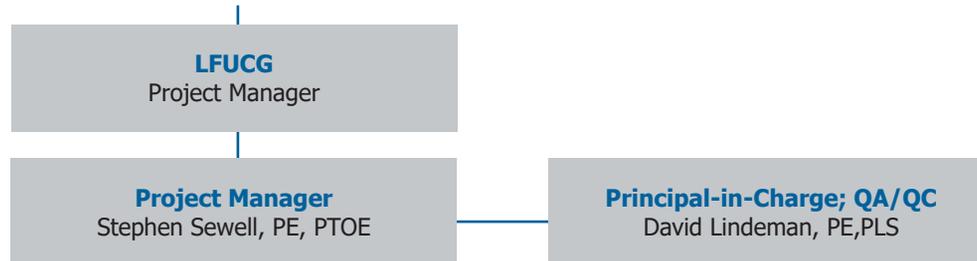




LEXINGTON

Project Team Organizational Chart

RFP#41-2024 - Indefinite Services Contract for Division of Engineering



Right-of-Way Lead
Keith McDonald

Right-of-Way Project Managers
Keith McDonald
Mary Beth Johnson

Acquisition Level III
Tim Flynn
Mary Beth Johnson
Keith McDonald
Ralph Rhemann
Debra Rhemann
Julie Boggess
Chelsea DeWitt, PE*

Relocation - Level III Agent
Keith McDonald
Mary Beth Johnson
Chelsea DeWitt, PE*

Appraisal
Matthew Chapman
Dustin Markwell
Thruston Freeman

*Level I Agent

Roadway Design
Travis Mullins, PE, CPESC
Joshua Samples, PE
David Lanham, PE
Josh Coburn, PE, PTOE, RSP1

Planning
Will Conkin, PE, PTOE, PMP
Joshua Samples, PE
Josh Coburn, PE, PTOE, RSP1

Bike/Ped Design
Travis Mullins, PE, CPESC
Josh Coburn, PE, PTOE, RSP1
Stephanie Blain, PE, LEED AP

Drainage Design
Jeff Cowan, PE
David Lanham, PE
Rick Storm, PE (BA)

Lighting/Signals/Traffic
Chris Mischel, PE, LEED AP, CPESC
Ryan Steffen, PE, RSP1
Josh Coburn, PE, PTOE, RSP1

Environmental
David Waldner, PE (Document)
Chris Blevins (Air & Noise)
Robert Oney (Aquatic/Terrestrial)
Richard Herndon, RPA (Archaeology/UST) (Metric)
Karen Garrard, RPA, RPA (Archaeology/UST) (Metric)
Janie Rice Brother (Historic)
Amber Stimpson (Historic)

Structure Design
David Deitz, PE, PhD
Brad Robson, PE, PhD
Ryan Damon, PE

Grant Assistance
Stephen Sewell, PE, PTOE
David Lindeman, PE, PTOE
Will Conkin, PE, PTOE, PMP

Land Surveying/Boundary
Craig Palmer, PLS
James Mayo, PLS
Thomas Monin, PLS (BA)

Pavement Design
Gary Sharpe, PE, PLS
Ben Hacker, EIT

Utility Coordination
Stephanie Blain, PE, LEED AP
George Garza
Erin Remley, EIT

Landscape (Element)
Ramona Fry, RLA
Billie Motsch, RLA
David White, RLA

Geotechnical (APS Geo)
Bill Basich, PE (Engineering)
Justin Anderson (Engineering)
Lyndsie Janbakhsh, PE (Laboratory)
Ryan Johnson (Drilling)

Construction Administration Resident Engineer
Matt Arlinghaus, PE
Zach Reichert, PE

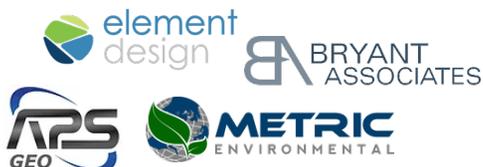
Lead Inspector
Neil Allen
George Garza
Ethan Fielder
Matt Hutchinson
Sydney King

Utility Inspector
Zach Reichert, PE
Stephanie Blain, PE, LEED AP
Howard Weeks (BA)

Grade and Drain Inspector
Neil Allen
George Garza
Ethan Fielder
Matt Hutchinson
Sydney King

Paving Inspector
Neil Allen
Matt Hutchinson
Howard Weeks (BA)

As Builts
Craig Palmer, PLS
Jody Barker, PLS
Will Graves, EIT





Stephen Sewell, PE, PTOE Project Manager



Experience
25 years

Education
University of Kentucky
BS, Civil Engineering, 2000

Registrations:
PE--KY 24030-2004
PTOE--National-2215-2007

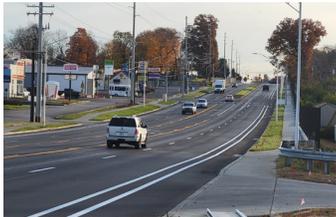
"Developing a solution on paper is critical but working with the contractor and local government is essential on LPA projects."

Stephen joined **Palmer Engineering** in 1999 and was named a principal and vice president in 2016. He is considered an expert in traffic modeling, analyzing traffic flow, and developing solutions to enhance roadway geometry. Stephen has managed Palmer's KYTC Statewide LPA Services contracts since inception of the program in 2012. He understands the requirements and assists local governments in completing projects on schedule. Project experience includes:



Southland Drive, Fayette County, KY for LFUCG - Project Manager for sidewalk improvements on Southland Drive from Rosemont Garden to Nicholasville Road. The project includes repair of existing sidewalks and construction of sidewalks in the areas that currently do not have sidewalks, drainage improvements within the corridor, and addition of storm sewer in areas that require closed system storm sewer. The corridor is a commercial corridor that is currently redeveloping, and the addition of bike lanes, sidewalks, and streetscape enhances the corridor-user experience.

a closed landfill and along the historic dry laid stone walls and across the historic Glen Rose/Spring Hill Farm. The trail meanders through Old Frankfort Pike and consolidated access points to improve safety. A CE Level III document was required, along with permitting and coordination with the floodplain study of Town Branch.



Town Branch Trail, Fayette County, KY for Lexington-Fayette Urban County Government (TE Funds) - Project Manager for Sections 4 and 5 (2.1 miles) of the Town Branch Trail from 0.5 mile west of New Circle Road to Forbes Road. The 12-ft-wide multi-use trail crosses under New Circle Road and bridges over R J Corman Railroad and Town Branch Creek. The trail meanders through

Versailles Road, Fayette County, KY for LFUCG - Project Manager for multi-modal improvements between Parkers Mill Road and Mason Headley Road. The project includes streetscape, raised median, buffered bike lanes, and sidewalks to enhance the safety of pedestrians and bicycles. The typical section included landscape buffer between sidewalks and vehicular traffic and the inclusion of ADA standards.

Jacobson Park Trail, Fayette County, KY for LFUCG - Project Manager for the development of a 1-mile trail within the park. This project includes permitting and construction oversight.

Masterson Station Trail, Fayette County, KY for LFUCG - Project Manager for the extension of the Masterson Station Trail. The 2,000 ft extension included construction plans, floodplain permitting, cost estimates, and construction services.

Meadow Lane Intersection Improvements, Lexington, KY for LFUCG - Project Manager for roadway improvements along Meadow Lane to add left-turn lanes along both approaches to New Circle Road. The project eliminated all permanent right-of-way acquisition and reconstructed all sidewalks and business entrances. Survey and utility coordination and KYTC encroachment permits were acquired.

Legacy Trail, Fayette County, KY for LFUCG - Project Manager for a 12.5-mile that extends from downtown Lexington to the KY Horse Park in northern Fayette County. The 12-ft-wide multi-use trail has numerous bridges over Cane Run and navigates the downtown urban streets before reaching the rural landscape. The 2.0-mile segment of trail through the KY Horse Park was assigned to Palmer Engineering with a very aggressive 3-week timeframe to complete the trail design, roadway improvements within the horse park, drainage improvements, construction of a trailhead with bathrooms, showers, and vehicle parking, and expansion of 3 parking lots.



Travis Mullins, PE, CPESC

Roadway Design, Bike/Ped Design



Experience
18 years



Education
University of Kentucky
MS, Civil Engineering, 2012
BS, Civil Engineering, 2006

Registrations
PE--KY-27686-2010
CPESC--National-5643-2010

Travis joined **Palmer Engineering** in 2006. He is considered an expert in geometric design, roadside safety, maintenance of traffic, and drainage development. He has developed a well-rounded set of skills and responsiveness by working on fast-paced, continuously evolving urban projects such as the design-build Kennedy Interchange project in Louisville and accelerated rural projects such as KY 876 in Madison County. Travis brings adaptability and outside-the-box design concepts to our Palmer team. He is very skilled at understanding the real-world implications of design decisions and utilizing that information to implement the appropriate design for each project. Project experience includes:

Meadow Lane Intersection Improvements, Lexington, KY for LFUCG - Project Engineer for roadway improvements along Meadow Lane to add left-turn lanes along both approaches to New Circle Road. The project eliminated all permanent right-of-way acquisition and reconstructed all sidewalks and business entrances. Survey and utility coordination and KYTC encroachment permits were acquired.

Old Todds Road, Fayette County, KY for LFUCG - Project Engineer for sidewalk design and installation, curb and gutter installation, and drainage improvements along the north side of Old Todds Road in Lexington, KY.

Mason Headley, Lexington, KY for LFUCG - Project Engineer for the design of the Mason Headley improvement project from the intersection of Versailles Road to just south of The Lane. The design improvements will widen the roadway for turn lanes into the new Fayette County Schools property and will include the addition of a multi-use path, sidewalk, utility strip, curb and gutter, and storm sewer facilities. Palmer Engineering is also responsible for right of way acquisition for this project.

West Loudon Avenue, Fayette County, KY for LFUCG - Project Engineer for 0.22 miles of West Loudon Avenue roadway reconstruction from North Broadway to North Limestone. Project includes curb and gutter, drainage improvements, raised medians, sidewalks, and on-street parking.

Stephanie Blain, PE, LEED AP

Utility Coordination, Bike/Ped Design



Experience
18 years



Education
University of Kentucky
BS, Civil Engineering, 2007

Registrations
PE--KY-28304-2011; LEED AP--2009

Stephanie joined **Palmer Engineering** in 2006. She serves as Project Manager on various roadway, site development, and municipal design projects. Stephanie is involved in projects from the preliminary planning aspects through construction completion, performing all aspects of design, permitting, coordination, and acquisition. She was named the 2021 National Young Engineer of the Year. Project experience includes:

Cooper Drive Stormwater Analysis Project, Lexington, KY for LFUCG - Project Manager for Cooper Drive Stormwater Analysis Project for LFUCG DWQ. The study was for an existing stormwater drainage system that receives discharge from a 120-acre urban area and discharges to Tates Creek near Ecton Park. Palmer evaluated the existing conditions of the Cooper Drive stormwater discharge area, identified potential solutions to mitigate stormwater flooding in the area, and prepared a memorandum to describe criteria, assumptions, and guidelines referenced for the completed analyses.

LFUCG Shared-Use Trails, Fayette County, KY for LFUCG - Project Engineer for the planning and development of several multi-use trails through multiple parks within Fayette County, including Masterson Station Park, Raven Run, Jacobson Park, and Whitney Young Park for LFUCG Parks and Recreation. The trails required preliminary layout, survey, design, permitting, and construction assistance.

Cross Keys Park Pond Improvements Project, Lexington, KY for LFUCG - Project Engineer for the Cross Keys Park Pond water quality retrofit. The Cross Keys Park Pond Retrofit incorporates several complementary project elements to transform the degraded surface water into a water quality feature which improves downstream water quality while providing aquatic habitat for fish, amphibians, and aquatic organisms. This was accomplished through native plantings, rock vane installation, wetland creation, construction of a sediment forebay, and removal of built-up sediment from the existing pond. The project was funded through a Federal 319(h) grant by the Kentucky Division of Water.



Joshua Samples, PE

Planning, Roadway Design



Experience
24 years



Education
University of Kentucky
BS, Civil Engineering, 1999

Registrations
PE—KY 23394-2003

Joshua joined **Palmer Engineering** in February 2024 following his retirement from KYTC. As a KYTC Project Manager and District 7 Design Section Supervisor, he has vast experience with KYTC design standards and processes, working in the Design Section for the past 24 years. He has submitted many KYTC projects for construction lettings including 30 projects in the last 6 years. Project experience includes:

KY 57, Fayette County, KY for KYTC - KYTC Project Manager for a Highway Safety Improvement Program (HSIP) project on KY 57 in Fayette County. The project included shoulder widening, pipe extensions, and a curve revision. Several improvement options were designed and considered at the intersection of Briar Hill Road and Bryan Station Road, and an ICWS system was ultimately determined to be the best option for the project. Prior to final plan submittal, coordination with a culvert maintenance project to be added to the HSIP proposal was necessary.

I-75, Fayette County, KY for KYTC - KYTC Lead Designer and Project Manager for an added turn lane and signal on the southbound exit ramp at the Man-O-War Boulevard in Lexington. In charge of the coordination between Lexington MPO, LFUCG, FHWA, and KYTC for this fast tracked project. The project added a left turn lane and signal to the intersection of the ramp and Man-O-War Boulevard. The ramp was widened to the right in order to eliminate the fill needed to add the new lane to the left of the existing. Coordination with KYTC Traffic and LFUCG Traffic as well as FHWA was critical to keeping the project on schedule. Plans were submitted two months after the project start.

KY 4, Fayette County, KY for KYTC - KYTC Project Manager for widening New Circle Road in Lexington from 4 lanes to 6 lanes, including a DCD at the Leestown Road interchange. Led the project team in considering multiple interchange options during the preliminary design using traffic modeling to analyze the best option. Access management considerations and limiting right-of-way impacts were significant parts of the project decisions along Leestown Road. Project Letting: October 2023.

Chris Mischel, PE, LEED AP, CPESC

Signal Design



Experience
27 years



Education
University of Kentucky
BS, Civil Engineering, 1997

Registrations
PE--KY-22902-2003 and 5 other states

Chris joined **Palmer Engineering** in 1998; project experience includes:

South Broadway Realignment at Virginia Avenue for LFUCG - Project manager to realign the northbound approach of South Broadway (US 27) to remove an awkward bend in the through lanes at the intersection and extend the length of the left turn bay. Design plans were prepared taking existing right of way on the east side to shift the roadway in this direction to realign the approach. Other items associated with the project include relocated sidewalk and new asphalt pavement were proposed, existing utility relocations including a fire hydrant and a temporary traffic plan was prepared showing lane closures during the course of this project.

US 60--Versailles Road and Alexandria Drive Mast Arm Signal, Lexington, KY for LFUCG - Project Engineer for traffic signal design for the reconstruction of the existing signal from a span wire signal to a mast arm signalized intersection. The new mast arm signal includes decorative poles and aesthetic features to compliment the sidewalk improvements planned at this intersection. Pole and base calculations were provided using KYTC-approved Signal and Lighting Structural Analysis (SALSA) structural calculations, which verify that the forces placed on signal poles and messenger wire meet safety requirements. Quantities were prepared and install list provided to LFUCG in coordination with KYTC for use during construction. Coordinated with LFUCG Traffic Engineering, KYTC District 7 and KYTC Central Office on design comments.

Dawkins Line Trail Trailheads, Johnson/Magoffin/Breathitt Counties, KY for KYTC - Project Engineer for 18.4 miles of Dawkins Trail (Phase 2) including the rehabilitation of 10 bridges and a 1600 ft. tunnel. Reviewed survey information of the proposed route, prepared design plans, and coordinated and reviewed structural plans for trail bridges along the route. Developed two greenfield sites into gravel trailheads that connect to the existing Dawkins Line Trail for parking areas for cars and trucks with horse trailers. Evaluated potential sites, developed conceptual site plan layout, and determined existing and proposed property boundaries for each trailhead property.



Will Conkin, PE, PTOE, PMP

Grant Assistance, Planning



Experience
19 years



Education

University of Kentucky
MS, Civil Engineering, 2004

Registrations

PE--KY-26085-2008 and 1 other state
PTOE--National-3000-2011; PMP--2017

Will joined **Palmer Engineering** in 2005 and became Branch Manager of Palmer's Northern KY office in 2013. Will has expertise in traffic engineering, traffic modeling, roadway design, and pavement design, as well as unique experience working with contractors. He manages Palmer's KY Statewide HSIP contracts. Project experience includes:

Vision Zero Louisville Safety Action Plan – Enhanced Pedestrian Study, Jefferson County, KY for KYTC - Project Manager of updating the Vision Zero Louisville Safety Action Plan with an enhanced pedestrian study to further analyze pedestrian crashes in Jefferson County and identify and prioritize specific projects as well as common traits and risk factors associated with pedestrian crash history. The study includes countermeasures to improve pedestrian safety and reduce serious injury and fatal crashes. Analyzed the pedestrian crashes with roadway network and GIS data to identify and evaluate risk factors and developed a list of countermeasures. Developed prioritized project lists for intersections and corridors with focuses on identifying gaps in pedestrian facilities, lighting, and mid-block crashes.

KY Statewide Highway Safety Improvement Program (HSIP) - Project Manager for the safety improvement projects assigned to Palmer Engineering. His innovative and focused leadership, the Palmer Team has proven results preventing fatal and serious injury crashes on Kentucky's roadways in all 12 Highway Districts. Responsible for evaluating the existing intersection geometry and safety, developing improvement strategies, developing construction plans and documents, intersection signal modifications and improvements, formalizing cost estimates to meet construction budget, and developing Vissim simulations to aid in visualizing intersection improvements.

City Engineer for City of Bromley, Kenton County, KY - City Engineer for the City of Bromley providing professional services to advise the City on a day-to-day basis as needed. Coordinate all designs, drawings, specifications, reports, and other services for the City's projects; provide consultation, advice, project development, and budget.

David Lanham, PE

Drainage Design, Roadway Design



Experience
27 years



Education

University of Kentucky
BS, Civil Engineering, 1998

Registrations

PE--KY-22902-2003 and 5 other states

David joined **Palmer Engineering** in June 2005; As a Project Engineer and Project Manager, project experience includes: horizontal and vertical alignment design, cross section design, pavement details, right of way, drainage, maintenance of traffic, and Civil Design Software for highway projects:

James Lane, Fayette County, KY for LFUCG - Project Engineer responsible for performing the hydraulic analysis for the James Lane culvert replacement at Shannon Run. The project involved obtaining the effective FEMA model for this Zone AE detailed study area and performing a No-Rise hydraulic analysis for the proposed condition.

Adams Ridge Road, Powell County, KY for KYTC - Performed a 1-dimensional hydraulic analysis, using HEC-RAS v5.0.6, for Adams Ridge Road over Brush Creek in Clay City. Adams Ridge Road is frequently flooded due to backwater from the nearby confluence with the Red River. When the road is flooded, residents are forced to use a temporary gated entrance on the Mountain Parkway to access the area, creating a hazardous situation on the parkway. The purpose of this project is to study alternatives to reconstruct Adams Ridge Road and the bridge over Brush Creek to reduce the frequency of closures due to flooding. An off-corridor realignment was selected as the preferred alternative. Responsible for producing ROW plans and final construction plans.

KY 213, Powell County, KY for Powell County Fiscal Court and KYTC - Project Manager for the roadway improvements and sidewalk construction along KY 213 from Reed Court to Sons Road. The project involves reconstructing the two-lane rural roadway with a three-lane urban section, including sidewalks. The drainage design and analysis portion was one of the first in Kentucky to be done using the OpenRoads Designer Drainage software. Coordinated with KYTC to refine their ORD Drainage standards. This project was also the first in Kentucky to host a virtual public meeting, since the original in-person public meeting was canceled at the beginning of the initial COVID shut-down.



David Deitz, PE, PhD

Structures



Experience
28 years



Education
University of Kentucky
PhD, Civil Engineering (Structures), 1998

Registrations
PE--KY-21473-2000 and 6 other states

David joined **Palmer Engineering** in 1998 after completing his PhD at the University of Kentucky. He became Division Manager of Structures in 2006 and was named a principal and vice president in 2016. He has extensive experience inspecting, load rating, and designing bridges and structures of all types and sizes. He is a Qualified Inspection Team Leader (QTL) and is the Principal-in-Charge of all of Palmer's Kentucky bridge inspections. Project experience includes:

Town Branch Trail, Fayette County, KY for Lexington Fayette Urban County Government and KYTC - Structures Project Manager for bridge design; The project includes design for 2.4 miles of a Multi-Use Bicycle/Pedestrian Trail from downtown Lexington to Masterson Station Park. Two bridges will be located in this section--one crossing the R J Corman Railroad and another over Town Branch Creek. The structures will be ADA compliant and designed to meet all current local, state, and AASHTO requirements. In addition, the railroad crossing will meet all railroad code requirements with substructures specifically located far enough from the track to avoid the need for crashwalls.

Dawkins Trail, Magoffin and Breathitt Counties, KY for KYTC - Structures Manager for the field assessment and rehabilitation of 10 bridges along the 18.4 miles of Dawkins Multi-Use Trail (Phase 2). Work included development of bridge rehabilitation/redecking plans and the design of a new Licking River crossing. The new 345' long bridge over the river and KY 867 provides a 10' wide path for trail users.

KY 4, New Circle Road, Fayette County, KY for KYTC - Structures Project Manager for design of Georgetown Road and Newtown Pike bridges. Palmer structural engineers worked closely with roadway designers to correct existing vertical clearance deficiencies as well as develop an efficient MOT.

KY 15, Perry County, KY for KYTC - Structures Manager for four structures on the 1.2-miles widening project. Early coordination with roadway regarding MOT requirements and vertical clearance options for the structures led to significant project economic benefits.

David Waldner, PE

Environmental Services



Experience
41 years



Education
University of Kentucky
BS, Civil Engineering, 1983

Registrations
PE--KY-15035-1987

David joined **Palmer Engineering** in April 2018 following his retirement from the KYTC where he served as Director of the Division of Environmental Analysis for more than 16 years, and was responsible for assuring NEPA compliance for thousands of highway projects. Project experience includes:

KY 237, Boone County - Palmer provided environmental analysis and NEPA documentation (Categorical Exclusion Level III) for major widening and reconstruction of approximately 4.5 miles between US 42 and KY 18. Environmental technical studies included the Noise Impact Assessment, Air Quality Analysis, Socioeconomic Impact Assessment, and UST/Hazmat Phase I Site Assessment in support of the CE.

KY 4, Fayette County, KY for KYTC - Senior Environmental Manager for completion of the NEPA documentation for 1.3 miles of widening and reconstruction of New Circle Road (KY 4) in Lexington. The section is densely developed and highly congested, especially during peak hours. The environmental review is on-going and includes a full complement of base studies. A Categorical Exclusion Level 1 is anticipated to document the proposed project.

KY 15, Perry County, KY for KYTC - Environmental Project Manager for the reconstruction of five miles of KY 15, primarily on new alignment. A FONSI for the project was approved in 2004 and the current review was focused on adjustments that might improve affordability. Due to the passage of time and adjustments that modified the project footprint, new base studies were developed for all environmental areas.

KY 15 Sidewalk, Wolfe County, KY for KYTC and the City of Campton - Environmental Project Manager for the construction of 0.6 miles of new sidewalk along Old KY 15 in Campton; The project required the assessment and documentation of historic properties along the corridor and incorporated measures to avoid impacts to several properties and a stone wall determined to be eligible for the National Register of Historic Places. Ecological impacts were also assessed, and a Habitat Assessment was prepared to document findings.



Craig Palmer, PLS

Surveying

Experience
36 years



Education

Anderson University
BA, Theology and Sociology, 1988

Registrations

PLS--KY-3599-2001



Craig joined **Palmer Engineering** in 1988 and was named Manager of the Survey Branch in 2005; project experience includes:

KY 15, Perry County, KY for KYTC - Survey Supervisor for 1.24 miles from Morton Blvd. to KY 15 Bypass; established horizontal and vertical control by GPS methods; performed DTM survey and tie-ins; established property lines, field tie lines, and corners; performed right-of-way and utility surveying.

Meadow Lane Intersection Improvements, Lexington, KY for LFUCG - Survey Supervisor for roadway improvements along Meadow Lane to add left-turn lanes along both approaches to New Circle Road. The project eliminated all permanent right-of-way acquisition and reconstructed all sidewalks and business entrances.

KY 4 (New Circle Road), Fayette County, KY for KYTC - Survey Supervisor and Crew Chief for impacts to both the Georgetown Road and Newtown Pike interchanges as well as the widening of KY 4 from four to six lanes. Terrestrial scanning was used to map 4 miles of all pavement surfaces along New Circle Road for developing overlay strategies. The project also included location of all property, utilities, and drainage structures.

Kevin Damron, PE

Utility Coordination, Planning

Experience
38 years



Education

University of Kentucky
MS, Civil Engineering, 1991
BS, Civil Engineering, 1986

Registrations

PE--KY-16975-1991; 1 other state



Kevin joined **Palmer Engineering** in March 2014 following his retirement from the Kentucky Transportation Cabinet as the Deputy State Highway Engineer for Project Development. He has extensive design and project management experience through a variety of Cabinet positions including Chief District Engineer, Preconstruction Branch Manager, and District Design Engineer in District 12--Pikeville. Project experience:

KY 4 (New Circle Road), Fayette County, KY for KYTC - Project Engineer for roadway widening to New Circle Road, including improvements to the interchange at Newtown Pike (KY 922); The project also included reconstructing the ramps for the Georgetown Road interchange and approximately 0.4 mile roadway widening to Newtown Pike to include curb and gutter and sidewalks. Responsible for developing a utility relocation plan to compliment the proposed construction phasing plan.

KY 922--Newtown Pike/I-75, Fayette County, KY for KYTC - Project Manager for the development of alternatives for adding a third lane from Pintail Drive at the Griffin Gate Marriott to the I-75 southbound on-ramp to relieve congestion along Newtown Pike. Other alternatives investigated improving the on-ramp geometry and modifying the on-ramp to two lanes.

Josh Coburn, PE, PTOE

Bike/Ped Design, Traffic Engineering, Roadway Design

Experience
9 years



Education

University of Kentucky
BS, Civil Engineering, 2015

Registrations

PE--KY 36280-2021
PTOE--National-5069-2021
RSP1--National-787-2022



Josh joined **Palmer Engineering** in 2014; project experience includes:

James Lane, Fayette County, KY for LFUCG - Project Engineer for replacement of culvert. Responsible for calculating quantities and determining existing and proposed right of way for the project. Assisted in determining the design of the proposed prefabricated culvert.

Ashland Transportation Study, Boyd County, KY for KYTC, KYOVA, and City of Ashland - Project Engineer for transportation study to review the existing conditions along Winchester Avenue and Greenup Avenue in downtown Ashland and examining the feasibility of reducing the number of through lanes along Winchester Avenue between 13th Street and 18th Street. The reduction of lanes will provide additional width to convert the existing parallel parking configuration to angled parking spaces. The project will also provide multi-modal transportation and enhance pedestrian walkability through streetscaping the project corridor.

KY 237 MUP, Boone County, KY for Boone County Fiscal Court - Project Engineer; Assisting in execution of Phase 2 of the project; Responsible for altering alignment for Right of Way considerations, designing ditch layout and drainage features along the project, calculating earthwork and quantities throughout the project limits.





Urban Roadway Widening Projects Fayette County, KY

Project Manager

Stephen Sewell, PE, PTOE

Team Members

Stephen Sewell, PE, PTOE
David Lindeman, PE, PLS
Will Conkin, PE, PTOE
Josh Coburn, PE, PTOE
Joshua Samples, PE
Chelsea DeWitt, PE
David Waldner, PE

Agency / Client Contact

LFUCG
Mark Fiebes
859-258-3430

Dates

2017-Present

Project Description

Versailles Road, Lexington, KY

The Versailles Road Corridor serves as a gateway to downtown Lexington from the western portion of Fayette County. The project involves implementation of the first two sections of the Versailles Road Corridor as described in the corridor study: Parkers Mill Road to Mason Headley Road. Section 1 extends from Parkers Mill Road to Village Drive, and Section 2 extends from Village Drive to Mason Headley. This project includes development and implementation of streetscape elements for the section of roadway from Parkers Mill to Mason Headley Road. Improvements include illuminated street signs, replacing curbs, buffered bike lane, landscaped median, decorative lighting, designated spaces for public art, benches, trash receptacles, wayfinding and directional signage, and specialty pavement at crosswalks.



A gateway entrance was created at the intersection with Alexandria that incorporated the heritage of the corridor. The project included coordination with property owners and utility companies to minimize impacts to the cemetery and electric transmission lines adjacent to the right of way. The project required coordination with KYTC District 7 staff for the preliminary and final plans.

Mason Headley

The Mason Headley Roadway Improvements consist of adding turn lanes for two new entrances for the new school complex planned to be opened in 2026. The traffic impact study performed traffic counts and projected the new school trips based on information provided by Fayette County Public Schools since the school will draw students from across the entire county. The widening included installing curb and gutter with a multi-use path within the project limits. As part of the project, the right-of-way impacts were reduced to only two properties. Palmer Staff is currently acquiring the right of way and is in the negotiation phase. Utility coordination is also underway to determine which utilities need to be relocated as part of the project. The improvements will also add a sidewalk opposite the multi-use path, including storm sewer with new drainage boxes.

Liberty Road

The Liberty Road improvements include widening the existing two-lane road to three lanes with a multi-use path and sidewalks. The Liberty Road corridor has become a cut-through route for commuters' routes into and out of downtown. As part of the survey task, utilities were located in the field through BUD calls, but coordination with each utility is also occurring to confirm the locations are as accurate. The initial alignments evaluate the impacts of widening to each side of the road and ways to maintain existing street parking. The use of roundabouts at and raised median and the impacts of adding parking adjacent to the roadway are being evaluated. The project drainage will evaluate the existing detention in the area along with upsizing storm sewer to meet the area requirements. This project will correct the roadway geometry and provide a complete street concept connecting the Brighton Trail and the New Circle Road Multi-use Path.

Project Similarities

Urban Roadway Design
Intersection Analysis
Sidewalk Design
Aesthetic Enhancements
Bicycle and Pedestrian Facilities
Streetscape
Public Involvement
Drainage/Stormwater
Utility Coordination
Traffic Analysis
Safety Analysis





LFUCG Multi-Use Paths

Town Branch Trail, Fayette County, KY

Harrodsburg Road, Fayette County, KY

Legacy Trail, Fayette County, KY

Project Manager

Stephen Sewell, PE, PTOE

Team Members

Stephen Sewell, PE, PTOE
 David Lindeman, PE, PLS
 David Deitz, PhD, PE, SE
 Travis Mullins, PE, CPESC
 Craig Palmer, PLS

Agency

LFUCG
 Thomas Clements, PE
 859-258-3478

KYTC, District 7
 Jackie Jones
 502-564-2060

Dates

2015-Present

Project Elements

- Multi-Use Path
- Bicycle / Pedestrian Facility
- Site Evaluation
- Environmental Services and Permitting
- Construction Administration
- Utility Coordination / Design
- Surveying
- Structure Design
- Landscaping / Lighting
- Multiple Agency Coordination
- Roadway Design

Project Description

Town Branch Trail

Town Branch Trail is one of Lexington-Fayette Urban County Government's (LFUCG) signature trail corridors that traverses from downtown Lexington to Masterson Station Park through the rural countryside that includes horse farms, an old distillery district, a city park, and several neighborhoods. As part of the Preliminary and Final Engineering Phase, Palmer developed alignment studies, performed surveying, environmental document preparation, and geotechnical services for Phases 4 and 5. These sections cross under New Circle Road, over the R J Corman Railroad tracks twice--once at-grade and once at a grade-separated crossing--traverse across the closed landfill, and through historic properties. The 12-foot-wide multi-use trail required a CE Level 3 Environmental Document that includes a significant amount of coordination with the State Historic Preservation Office (SHPO). The Palmer Team began early coordination with the SHPO to mitigate the impacts to the stone walls and crossing of the Glenn-Rose/Spring Hill Farm located along Old Frankfort Pike. The environmental document shows a net benefit to the historic property and requires only minimal mitigation to remove a section of wall and cross the historic property.



The project has a significant public involvement plan that involves 3 public meetings, 8 stakeholder groups, and multiple work sessions. The stakeholder group is formed from various local businesses, government agencies, state legislators, and special interest groups. The Palmer Team has developed bridge renderings, landscape plans, and detailed engineering plans that were presented to this group for their input into the trail alignment and aesthetics.

Harrodsburg Road

The construction of a multi-use path from Beaumont Center to Firefox Neighborhood. The trail navigates multiple locations requiring retaining walls to minimize the right-of-way acquisition. To minimize tree disturbance and improve drainage, the shoulder along Harrodsburg Road will be reduced, and curb and gutter will be added. This will provide a buffer to the trail and correct the typical section to be uniform to Man O'War. The trail crosses multiple access drives and will use a segment of roadway to avoid the construction of a new bridge

Legacy Trail

The Legacy Trail is one of Lexington's Signature Trail Facilities that extends from downtown Lexington to the KY Horse Park in Northern Fayette County. The 12-ft-wide multi-use trail has numerous bridges over Cane Run and navigates the downtown urban streets before reaching the rural landscape. The trail has several trailheads to access the trail, along with art and amenities throughout the corridor.

The 2.0-mile segment of trail through the KY Horse Park was assigned to Palmer Engineering with a very aggressive 3-week timeframe to complete the trail design, roadway improvements within the horse park, drainage improvements, and expansion of three parking lots. The trail design began at the edge of the horse park and extended through the park to the Scott County Line, included construction of a trailhead with bathrooms, showers, and vehicle parking, and required avoiding a 42-inch waterline and 8-inch force main along Ironworks Pike. A structure crossing was required at Cane Run Creek, which involved analysis of an established flood study to assure that no rise occurs.





LFUCG Projects

Southland Drive, Fayette County, KY
Old Todds Road, Fayette County, KY
Wilson Downing, Fayette County, KY

Project Manager

Stephen Sewell, PE, PTOE

Team Members

Stephen Sewell, PE, PTOE
David Lindeman, PE, PLS
Stephanie Blain, PE, LEED AP
Travis Mullins, PE
Kelly Whittington, PLS

Client/Agency Contact

LFUCG
Mark Fiebes
859-258-3430

LFUCG
Thomas Clements, PE
859-258-3441

LFUCG
Thomas Clements, PE
859-258-3441

Dates

2015-Present

Project Elements

Sidewalk/Streetscape Design
Aesthetic Enhancements
Bicycle and Pedestrian Facilities
Utility Coordination
Survey
Drainage/Stormwater
Public Involvement

Project Description

Southland Drive, Lexington, KY

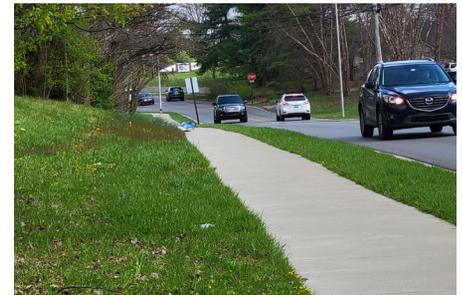
The Southland Drive Sidewalk improvement project involves constructing sidewalks from Rosemont Garden to Nicholasville Road. The corridor is a commercial corridor that is currently redeveloping, and the addition of bike lanes, sidewalks, and streetscape will enhance the corridor-user experience. The project will repair existing sidewalks and construct sidewalks in the areas that currently do not have sidewalks. Drainage within the corridor will be improved, and storm sewer will be added in areas that require closed system storm sewer. The project includes public involvement.

Old Todds Road, Lexington, KY

Palmer Engineering designed sidewalks for a 0.6-mile section of Old Todds Road in Fayette County. The corridor is located in an area of residential development that has a high volume of foot traffic. As part of the grant, Palmer developed preliminary and final plans within the right of way and avoided all utility relocations along the corridor. The project required extensive coordination with the utility companies and reconstruction of 3 approaches to assure ADA compliance. Palmer developed the bid documents, assisted with environmental clearance, and assisted the city with the LPA forms.

Wilson Downing Sidewalks, Lexington, KY

The Lexington-Fayette Urban County Government received a TAP Grant to construct sidewalks along Wilson Downing Road in Fayette County. The area has some sidewalks located throughout the corridor and includes 2 schools, large residential neighborhoods, and commercial developments at each end of the project. As part of the grant, Palmer developed preliminary and final plans for the sidewalk additions including expediting a bridge repair project to reopen the structure that had been closed due to structural deficiencies. Palmer developed right-of-way plans for the temporary easements required to reconstruct entrances, coordinated with utility companies to avoid their facilities, assisted with the environmental clearance, and developed construction bid documents.





LPA--Trail Projects

Lexington Park Trails, Fayette County, KY

Louisville Loop, Jefferson County, KY

Dawkins Trail, Johnson and Magoffin Counties, KY

Project Manager

Stephen Sewell, PE, PTOE

Team Members

Stephen Sewell, PE, PTOE

David Lindeman, PE, PLS

Chris Mischel, PE, LEED AP, CPESC

David Deitz, PhD, PE, SE

Agency

Michelle Kosieniak, Lex Parks and Rec
859-288-2982

John Swintosky, Louisville Metro Parks
502-456-8112

KYTC, Office of Local Programs
Jackie Jones
502-564-2060

Dates

2013-2022

Project Elements

Bicycle and Pedestrian Design

Property Owner Coordination

Site Evaluation

*Environmental Services and
Permitting*

Construction Administration

Utility Coordination / Design

LPA Guidelines / Policy

Surveying

Bridge Design

Geotechnical Coordination

Landscaping / Lighting

Multiple Agency Coordination

Public Involvement

Project Description

Jacobson Park, Masterson Station, and Ravens Run Trails, Fayette County

Palmer Engineering has designed the following trails in Lexington:

Jacobson Park Trail - Palmer is responsible for the development of a primary trail and secondary trail within the park. This project includes construction plans, cost estimates, permitting, construction oversight, and compliance with the Americans with Disabilities Act (ADA).

Masterson Station Trail - Palmer is designing the extension of the Masterson Station Trail. The extension included construction plans, floodplain permitting, cost estimates, construction services, and compliance with the Americans with Disabilities Act (ADA).

Raven Run Park Trail - Palmer is responsible for the development of half mile looped trail within the park in addition to a 1,200' trail connecting the Nature Center to the Nature Sanctuary. The extension includes construction plans, cost estimates, construction services, and compliance with the Americans with Disabilities Act (ADA).

Louisville Loop, Jefferson County

Louisville Metro Parks has planned a 100-mile trail system, called the Louisville Loop Trail System, that will encircle Louisville and link together parks and neighborhoods throughout Jefferson County. Palmer Engineering has completed preliminary engineering and environmental for three adjacent sections--Medora, Dodge Gap, and Pond Creek--approximately 7 miles of the Louisville Loop--in the Knobs Region of Southwest Jefferson County. The Palmer Team has walked the corridor with Louisville Metro Staff and developed alignments that traverse through Metro Parks Property and minimize disturbance to the Jefferson Memorial Forest and also adjacent land owners. Palmer is currently completing Phase 2 design on the Pond Creek and Medora Sections of the trail.

Dawkins Trail, Johnson and Magoffin Counties

Dawkins Trail, located in Eastern Kentucky, is a 37-mile trail that converts an old railroad bed to a multi-use path for use by bikers, pedestrians, and equestrians. Palmer provided land surveying and civil engineering for the development of two gravel trailheads that connect to the first 18 miles of Dawkins Line Trail. The trailheads are located at the beginning and midpoint of the trail and will be used as parking areas for cars and trucks with horse trailers. Each trailhead was designed and let to construction within 30 days so that the first phase of the project could be opened in Summer 2013. The construction of the next 18 miles of trail is also complete; it includes 10 bridges and a 1600-foot tunnel that has been closed for several years and will require significant rehabilitation.





Urban Roadway Projects

Wathen Lane, Henderson County, KY

Ashland Downtown Planning Study, Boyd County, KY

S Maysville Road TAP Project, Montgomery County, KY

Project Manager

Stephen Sewell, PE, PTOE

Team Members

Stephen Sewell, PE, PTOE
 David Lindeman, PE, PLS
 David Deitz, PhD, PE, SE
 Travis Mullins, PE, CPESC
 Craig Palmer, PLS
 Kelly Whittington, PLS

Agency

City of Henderson
 William Newman
 270-831-1200

City of Ashland
 Steve Cole
 606-385-3334

City of Mt Sterling
 Al Botts
 859-498-8725

Dates

2012-Present

Project Similarities

- Urban Roadway Design
- Intersection Analysis
- Sidewalk Design
- Aesthetic Enhancements
- Bicycle and Pedestrian Facilities
- Streetscape
- Public Involvement
- Drainage/Stormwater
- Utility Coordination
- Traffic Analysis
- Safety Analysis

Project Description

Wathen Lane - This project involved 20 parcels (16 residential; 4 agricultural) for 1.4 miles of rural, 2-lane roadway that included deep ditches for drainage and a culvert that was replaced with a 12 X 6' precast culvert. The proposed typical section included addition of a bike lane and sidewalk with curb and gutter. Several parcels were vacant agricultural tracts or vacant residential lots. Temporary easements were required on several parcels for sidewalk construction. Other ROW involved a long 20' wide strip along the front property line of several parcels. No improvements were acquired on 17 parcels; brick entrance wall improvements were acquired on one parcel; a landscaping area within permanent easement area was acquired on one parcel; and over 500 feet of 3-board vinyl fencing was acquired on one parcel.



Ashland Downtown Planning Study - Palmer Engineering developed conceptual alternatives for a downtown revitalization plan that required changes to the existing road network. The City of Ashland has a goal of improving walkability and safety to enhance business opportunities in the downtown area. Currently, Winchester Avenue is a four-lane undivided highway with numerous signalized intersections and parallel parking. Palmer first prepared an inventory of existing conditions looking at lane and shoulder widths, turn lane locations, traffic volumes, speed limits, and level of service throughout the corridor.



Three alternative schemes were developed that looked at a range of access management and traffic-calming alternatives. Through facilitated public involvement including multiple city and KYTC agencies, the alternatives were refined, and a preferred alternative was selected. Traffic simulations and intersection visualizations were instrumental in gaining local agency buy-in on the concept selected. The preferred alternative was deemed the "Trifecta of Safety" with five mini roundabouts, a road diet to three lanes, and back-in parking.

Final design is now complete for the preferred alternative. The mini-roundabouts will eliminate five signalized intersections, which will improve safety for motorists and pedestrians while also removing much of the clutter of traffic signal poles and wires that interrupt the downtown viewshed. An extensive streetscaping element was added to the design to improve the downtown aesthetics. Demonstration funding from the KYTC Highway Safety Improvement Program is being combined with KYOVA MPO funding and City of Ashland funds to construct the \$7.1 million project.

S Maysville Road TAP Project - Palmer Engineering is providing Roadway Design and Streetscape services for S Maysville Road in downtown Mt Sterling from Main Street to the Adena Trail crossing. The project provides curbs, landscaping, reallocates parking, and provide bicycle and pedestrian areas. By correcting the roadway cross slope ADA improvements were made by eliminating the multiple steps from the roadway to the businesses.



The second phase of the project extends the multi-use path from Main Street to the Mt Sterling Bypass including the construction of curb and gutter, retaining walls, drainage structures, and utility coordination. As part of this phase of the project, Palmer is completing construction drawings and cost estimates so that future funding can be secured to extend the bicycle and pedestrian facilities from downtown to the bypass.





Northern Kentucky LPA Contracts Boone and Kenton Counties, KY

Project Manager

Will Conkin, PE, PTOE, PMP
Stephen Sewell, PE, PTOE

Team Members

Stephen Sewell, PE, PTOE
David Lindeman, PE, PLS
Andrew Brown, PE, PTOE
Chris Mischel, PE, CPESC
Travis Mullins, PE, CPESC
David Deitz, PhD, PE, SE
Ryan Steffen, PE, RSP
Will Conkin, PE, PTOE
Craig Palmer, PLS
David Lanham, PE

Client/Agency Contact

Boone County
Daniel Menetrey
dmenetrey@boonecountyky.org
859-334-3580

Kenton County Public Works
Spencer Stork; 859-392-1920

Dates

2015-Present

Project Similarities

*Multi-Use Trail Design
Structure Design
Survey; Site Evaluation
Landscape Architecture; Lighting
Public Involvement
Utility Coordination/Design
Drainage Design
Environmental Services; Permitting
Construction Administration*

Project Description

KY 237--Multi-Use Path, Boone County, KY - Palmer Engineering was selected by the Boone County Fiscal Court to design a multi-use path (MUP). The 10-ft-wide MUP begins on the west side of KY 237 just past the Stephens Elementary School entrance and continues on the west side of KY 237, crossing a couple of entrances to Conrad Lane. At the Conrad Lane intersection, the MUP crosses KY 237 to the east side and continues on the east side to the end of the project at KY 20. The MUP is located within the existing right of way (ROW) and follows the existing topography. In some areas, the path is close to the roadway. The project does not have ROW funding.

Two existing sections of 5' concrete sidewalk are on the project--Cougar Path that connects KY 237 and Limaburg Road; and KY 20 that connects KY 237 with Limaburg Road. A new section of sidewalk on KY 20 to connect KY 237 with the existing sidewalk for the Kroger area development will be included if the budget allows.

The sidewalk typical section will be designed to fit within the existing ROW. One option is a the monolithic curb and sidewalk design similar to the sidewalk along Limaburg Road. Sidewalk may be reduced to 4 ft if necessary to eliminate a ROW impact.

Palmer responsibilities also include developing the bid proposal for construction, preparing the utility impact notes, developing the maintenance of traffic plan, and coordinating with SD1 on the storm water design and review.

Litton Lane Sidewalk, Boone County, KY - The Litton Lane sidewalk project extends from KY 237 along Litton Lane in Hebron, KY, and connects the bus stop on KY 237 to the many factories along Litton Lane to allow for workers to walk to and from. The project included design of 3,978 linear feet of 5-ft-wide sidewalk along Litton Lane, striping and signing for crosswalks, and horizontal curve signing. Palmer performed field reconnaissance of existing conditions and met with the County Engineer in the field to aid in development of plans. Palmer developed a detailed survey package of necessary survey shots and assisted in the development of the topographic survey; coordinated with BUD / utility companies to mark existing utilities for survey and incorporated the utilities into the plans; Developed deeds and property lines utilizing Boone County PVA, deed books, and As-Builts drawings; Implemented flashing crosswalk signage for the sidewalk as it crosses over Litton Lane; Developed the horizontal alignment and vertical grade; and detailed construction plans along with cross sections; Developed Right-of-Way summary for fee simple acquisitions and temporary construction easements; Developed Erosion Control Plans for disturbed drainage areas and point discharges.

Amsterdam Road Sidewalk, Kenton County, KY - The Amsterdam Road Connection Sidewalk Project provides sidewalk connectivity between existing sidewalks at the intersection of Amsterdam Road and Highwater Road and the proposed multi-use path at the intersection of Amsterdam Road and Bromley-Crescent Springs Road. The project was performed under Kenton County's LPA Professional Services Contract. The project consists of building a sidewalk along Amsterdam Road, which has steep grades exceeding 9%, and a stream paralleling the road with steep roadside drop-offs. The project included developing preliminary line and grade plans as well as Right-of-Way plans for the 1-mile sidewalk. Due to Amsterdam Road's limited right of way and available roadside to construct the sidewalk, preliminary options were developed to compare stream impact fees with retaining wall costs. Utilities along the corridor include overhead electric, water, gas, and sanitary sewer. The sidewalk was designed to minimize impacts to utilities by meandering the sidewalk to avoid costly utility relocations. The project awaits Final Design and Right-of-Way funding.





Miscellaneous Bridge Hydraulics and Roadway Drainage

Adams Ridge Road, Powell County, KY

KY 15 Drainage (Black Gold Blvd.), Perry County, KY

KY 213, Powell County, KY

KY 15 Sidewalk Improvements, Wolfe County, KY

Project Managers

Jeff Cowan, PE
David Lanham, PE

Team Members

David Lanham, PE
Jeff Cowan, PE
David Deitz, PE, PLS
Travis Mullins, PE, CPESC
Stephanie Blain, PE, LEED AP
Craig Palmer, PLS
Kelly Whittington, PLS

Agency / Client Contact

KYTC Division of Structural Design
Min Jiang, D-10,
606-666-8841

KYTC, District 10
Jason Blackburn
606-666-8841

Dates

2019-2021
2023
2019-2022
2019-2020

Project Elements

Urban Drainage Design
OpenRoads Designer Drainage
Hydrologic Analysis
Urban Roadway Design
HEC RAS; HEC HMS
ORD Drainage

Project Description

Adams Ridge Road, Powell County - This project involves a 1-dimensional hydraulic analysis, using HEC-RAS v5.0.6, for Adams Ridge Road over Brush Creek in Clay City. Adams Ridge Road is frequently flooded due to backwater from the nearby confluence with the Red River. When the road is flooded, residents are forced to use a temporary gated entrance on the Mountain Parkway to access the area, creating a hazardous situation on the parkway. An off-corridor alignment was selected as the preferred alternative. Palmer achieved a no-rise condition for the new bridge which is located in FEMA Zone AE mapped floodplain, using a multi-span layout which spanned not only the channel but also a portion of the floodplain. Spanning the full width of the regulatory floodway was not economical. Palmer developed final roadway plans and the Advance Folder. The project has been let for construction.



KY 15 Drainage (Black Gold Blvd.), Perry County - This project involved a drainage study and reconstruction project in Hazard, KY. A storm sewer pipe failure in the City's storm sewer system caused a cave-in along Black Gold Court. The storm sewer system was originally designed to connect to an existing RCBC under KY 15, when the Black Gold Development was constructed. The City of Hazard addressed the cave-in by constructing a new storm sewer system that diverted the outlet into the roadside ditch of KY 15, which caused KYTC concerns about downstream flooding impacts. Palmer performed a drainage study to evaluate proposed alternatives to return the storm water to its original outlet point, which was a challenge due to surrounding development and the fill heights over the RCBC. After selection of the preferred alternative, final construction plans were produced under a compressed schedule for a desired July 2023 letting.

KY 213, Powell County - Palmer designed roadway improvements and sidewalk construction along KY 213 from Reed Court to Sons Road, to better facilitate alternative transportation methods. Design included widening and realignment of a two-lane roadway with rural cross section to a three-lane roadway with urban curb-and-gutter cross section, including sidewalks. **The drainage design was one of the first in Kentucky to be done using the OpenRoads Designer Drainage software.** During the final design of the drainage, Palmer regularly coordinated with KYTC to create lists of ideas for improvements to the KYTC CADD standards relating to ORD Drainage, and general workflow suggestions. Palmer also worked with KYTC regarding plan production and creating pipe profile sheets for the drainage systems in ORD.



KY 15 Sidewalk Improvements, Wolfe County - This project involves the design of 0.5 mile of sidewalk construction to provide safer pedestrian access along KY-15 and includes preliminary design and final construction plans. Improvements include an urban typical section, pavement crown and superelevation, storm sewer systems, and sanitary sewer relocation.





Project Approach

Fayette County, RFP#41-2024 Indefinite Services Contract (Design Services)

INTRODUCTION

Local Governments across the Commonwealth of Kentucky have grown to understand the importance of having an engineering firm that can guide them through the design and construction process. Palmer has been a consultant for the KYTC Statewide LPA Contract since its inception and has worked with Lexington Fayette Urban County Government (LFUCG) and various other local governments and universities from Pikeville to Paducah. Local Public Agency (LPA) projects vary in scope and size, and Palmer has always been willing to complete a project regardless of the project fees. Palmer uses a core group of engineers to complete each project but has the resources and staff to implement projects regardless of scope, timeframe, or funding source.



As the scope of the LPA projects has morphed over the years, Palmer continues to be at the forefront of assisting all agencies with preliminary cost estimates, grant writing, project design, and construction inspection. Palmer is proud of its reputation of being able to take a project from beginning to end.

LPA projects have many unique requirements that can influence project development. The Federal-Aid Highway Program Project Development

Guide for Local Public Agencies describes a framework for each project; while understanding and following the guidelines are essential steps, there is no substitute for project experience. Palmer currently serves as the Lead Consultant for various local government LPA Indefinite Services contracts in Boone, Kenton, Pike, Clark, Montgomery, and Jefferson Counties. Palmer has the capabilities and experience to dedicate staff to multiple projects simultaneously.

The Palmer Team strives to provide clients with quality engineering and the best customer service possible. The best evidence of this quality and service is our expansion with multiple local governments, including LFUCG, that have selected Palmer for projects through their RFP Process. These projects typically have smaller consulting fees, which some firms would not be interested in completing. Still, Palmer sees it as a challenge to deliver a quality project that is the community's most important project.

PROJECT MANAGEMENT

Palmer has been providing clients with an experienced professional team with engineering competence and an understanding of the process of delivering projects with varying scopes.

Stephen Sewell, PE, PTOE, leads the Palmer staff, and he will serve as Project Manager and the single point of contact for the LFUCG, just as with the previous contracts. Mr. Sewell has always been responsive to the assignments made as part of the previous contracts. He has successfully managed more than 82 LPA Projects, including the 40 KYTC statewide assignments that varied in size, from designing a sidewalk along Old Todds Road to developing a plan for Town Branch Trail, Versailles Road, and Mason Headley.



The Statewide LPA Contract has provided Palmer Engineering with the opportunity to assist the KYTC for over a decade, delivering solutions for what many deemed problem projects. Mr. Sewell has developed the experience, qualifications, and understanding of the LPA process, providing the LFUCG with a trusted designer who guides the city throughout the project. His reputation for keeping projects moving and his understanding of the various forms that need to be submitted, required plan approvals, and construction inspection requirements are invaluable.

Mr. Sewell was also the lead designer for the N Maysville Avenue Sidewalk Project in Mt. Sterling, KY. This project was the 3rd TAP Project awarded to Mt. Sterling, and they have requested to use the Statewide LPA Contract with Palmer Engineering. Mr. Sewell led the city through every step of the process, assisted with questions during construction, and tracked expenditures to ensure the project stayed on budget. He prides himself on being a project with these tasks, assuring the KYTC Office of Local Programs that the guidelines are being followed correctly and allowing them to focus on starting new projects, authorizing new funding, and closing out completed projects. Each of these TAP Projects was completed in a timely manner, and documentation of all phases has been successfully completed so that the next project could be pursued.

Travis Mullins, PE, serves as a Project Manager and will assist with the development of design and construction of projects. Travis has served as



design manager for the Wilson Downing Sidewalk and Mason Headley Roadway Improvement Projects and is currently assisting with the Belleau Woods Intersection Improvement Project. He has also assisted with the Versailles Road and Old Todds Road Sidewalk Projects for LFUCG. His understanding of the LPA Process is a valuable resource for local governments and can provide the required design knowledge for those projects.



Stephanie Blain, PE, LEED AP, is the Branch Manager for Palmer's Lexington Office and has served as Project Manager for multiple projects in Lexington for various agencies. Stephanie is assisting with the design of the Harrodsburg Road Trail and has been coordinating with utilities on the Liberty Road improvements.

Joshua Samples, PE, is also assisting and serving as a design lead; he recently retired from KYTC District 7 and will assist with project design and permitting requirements. Joshua is currently developing the roundabout and turn lane design along Wilson Downing and will develop the Liberty Road roundabout design over the next two months. His experience and knowledge of the approval process for LPA Projects will be a valuable resource.

David Lanham, PE, and **Will Conkin, PE, PTOE**, are also available for design assistance. David led the KY 15 Sidewalk Project in Wolfe County, which went from inception to construction in less than four months to ensure the funding was not lost. Palmer led the 0.53-mile sidewalk project and obtained an approved environmental document with extensive SHPO coordination, a historic rock wall, and right-of-way acquisition of three parcels within the short timeframe. This

project exemplifies the benefits of having a firm that can self-perform all project tasks. Palmer also performed the construction inspection services for this project, which resulted in all questions being answered quickly without the contractor claiming delays.

The Palmer Team has the experience and qualifications to self-perform all LPA project tasks, except for Geotechnical and Archaeology, allowing for streamlining the project from inception to completion. The following projects used this strategy and represent the types of projects that Palmer has completed under the LFUCG and various other local governments.

PROJECT EXPERIENCE

The phrase, "Engineering has no difficulty if money is no object," is especially appropriate during these challenging construction times and for these types of projects with a set funding allocation. As we have completed each of these projects, Palmer has learned that they can be challenging to develop engineering solutions and designs that meet the needed improvement within the available budget and coordinate with multiple agencies. Palmer Engineering has worked on a broad range of projects in terms of scope and complexity through various contracts.

The Mason Headley Roadway Improvements for LFUCG included the addition of left and right turn lanes for the new school being constructed. Adding a multi-use path and sidewalk along with curb and gutter will update the project to be a complete street and provide for future continuation to Harrodsburg Road.

The Versailles Road Improvements reconstructed the curb and gutter to add a buffered bike lane and new sidewalks along the corridor from Parkers Mill to Mason Headley. The Old Todds Road Sidewalk connected existing sidewalks and improved pedestrian mobility from Richmond Road to Woodhill Rd. The Southland Drive



SidewalkProject faced many challenges, including location, drainage, and utilities. The project added a storm sewer to the corridor and replaced the concrete ditch with a naturalized stream, which has significantly improved the walkability of the corridor.

The Town Branch Trail Project is wrapping up with final adjustments to avoid utilities and documentation of crossing the landfill. This project and Harrodsburg Road Trail are two of the active trail projects that Palmer is working on completing this year. We previously completed the Legacy Trail Extension through the Kentucky Horse Park and



recently completed the design and construction of multiple multi-use paths for LFUCG. The Masterson Station trail was a 1-mile trail extension that connected the neighborhood to the playground and required innovative engineering to maintain ADA compatibility. The shortest route was not the best route for this trail, so meandering around the hillside resulted in flatter grades that improved the walkability of the trail for all users. As part of this contract, Palmer also developed a 1.2-mile loop at Raven Run Nature Sanctuary that meets ADA compliance since this area requires hikes through rugged terrain to reach scenic overlooks. As part of this trail, educational stations were developed so all users could enjoy these areas. The contract also included a 1.7-mile loop at

Jacobson Park connected to the Richmond Road Transportation Project. Palmer also completed the preliminary design and final design of three sections of the Louisville Loop in Jefferson County.

The Winchester Avenue Project in Boyd County involved conceptual design and traffic engineering to reduce Winchester Avenue from four lanes to two lanes in Downtown Ashland. Mr. Sewell led the design and analysis of the study and report, including multiple alternatives and analysis of existing conditions. Following the completion of the study, the Palmer staff performed the final design and construction inspection services to revitalize the downtown area. The construction of five mini-roundabouts, back-in parking, and reduction to two lanes is anticipated to calm traffic and improve safety so significantly that the KYTC Highway Safety Manager agreed to fund a significant portion of the project.



The Eastern Kentucky Flooding left the Perry County Fiscal Court with the need to replace 14 county road bridges. KYTC District 10 suggested using the Statewide LPA contract so the county could get activities underway for KYTC District 10 on multiple other LPA projects, including the Black Gold Drainage Project and the Citizens Way Roadway improvements. Palmer provided survey, design, bidding, and construction administration services as part of these contracts.

The Wathen Lane Roadway Improvement Project

for the City of Henderson is the second project Palmer has completed for the city under federal funding. The improvements involve widening the 1.8-mile segment to 11-foot lanes and adding a curb and gutter with a multi-use path along the route. The project is under construction, with completion in November 2024. Palmer completed the roadway design and the environmental document, acquired Right of Way, developed utility relocation plans, and is currently providing construction inspection. These improvements are similar to the Barret Blvd. and North Green River Road projects, in which Palmer assisted the City of Henderson with right-of-way acquisition, utility relocation, environmental permits, and construction administration.

LPA projects' construction administration and inspection aspects have significantly changed in recent years and have become a major component of the LPA process. LPAs are required to provide certified inspectors and testing on all federally funded projects during construction. The Palmer Team has expanded its staff and now includes multiple inspectors who are certified to provide construction inspection services for the LPAs and have provided these services. Palmer inspectors provided construction inspection services for Straight Fork Road, Shively sidewalks,



Ted Buschelman widening, and KY 15 sidewalks in Wolfe County. Palmer currently provides these

services for two projects for the City of Covington, one for the City of Henderson and the Winchester Avenue Project for the City of Ashland. Palmer also provided these services for the recently burned Beech Fork Covered Bridge in Springfield, KY. As part of the construction inspection phase, Palmer provides reports with pictures, verifies DBE compliance, certified payroll, confirms pay estimates, and documents the activities that occur each day via daily inspection reports.

Palmer previously provided preparation of BUILD grant applications for competitive grants distributed by the USDOT to local governments and has assisted multiple local governments with RAISE grants, including the recently announced Limaburg Road Grant for Boone County for 2.9 million in Planning Funding/Palmer Engineering was assigned the preparation of a BUILD grant application for the US 25 Corridor in Laurel County that the City of London sponsored. Palmer assisted Bullitt County Fiscal Court with a RAISE Grant application for the KY 44 corridor and recently assisted the City of Danville with the 2nd Street Corridor RAISE grant application. These grants have very specific requirements and face a very competitive field of projects. Aside from the benefit/cost ratio, the selection committee favors projects with strong local government support. Palmer has also successfully assisted multiple local governments with obtaining Safe Streets for All (SS4A) planning grants and the City of Louisville with obtaining two SS4A Implementation grants, one of only three cities in the US to get funding in both cycles. Palmer's staff recently received Action Plan funding for Elizabethtown and Danville and expedited the study to be in a position to apply for Implementation this round.

PROJECT TEAM

Assisting Mr. Sewell on this project are task leads for specific items that could be necessary, depending on the project's scope. David Deitz, PhD, PE, SE, led the emergency

replacement of multiple structures damaged by the Eastern Kentucky floods and is currently assisting Perry County Fiscal Court with its emergency replacements. He also served as the lead structural design engineer for the KSU pedestrian bridge and assisted the KYTC with the construction oversight, including weekly onsite meetings and plan review. He also led the design of the Dawkins Trail Bridge over KY 867 and the Town Branch Trail Bridge over the railroad. He will lead all structural activities that are required for projects.

Josh Coburn, PE, and **Chelsea Dewitt, PE**, have assisted with multiple LPA Projects, including the Summit Street Sidewalk, KY 237 Multi-Use Path Project, Blakeman Avenue TAP Sidewalk Project, and Camargo Sidewalk Project. Rick Storm, PE, with Bryant Associates, will contribute to roadway design, surveying, and drainage design as our DBE consultant.

Keith McDonald will lead the Right-of-Way Acquisition and Relocation tasks that the LPA projects require. Keith was the acquisition leader for the 11 parcels on the City of Elizabethtown Mini-Roundabout project assigned under the Statewide LPA Contract and the two parcels for the KY 237 Multi-Use Path project. **Tim Flynn** and **Stephanie Blain, PE, LEED AP**, support Keith. Palmer is currently a right-of-way consultant for the statewide right-of-way contract and acquired the right-of-way for the Wathen Lane and Amsterdam Road projects. Keith and his team are currently assisting with the acquisition of the right of way on the Mason Headley Project.

Janie-Rice Brother is a cultural historian who has worked extensively with NEPA documentation for cultural and historic resources and developing mitigation and historic preservation activities on transportation projects. She assisted with the KY 15 Sidewalks in Wolfe County for cultural historic services. **David Waldner, PE**, will lead permitting

and environmental services, if required by KYTC. **Robert Oney** and **Chris Blevins** will assist him. Traffic signal design and development of roadway lighting have been required on the Winchester Avenue Streetscape, Summit Street sidewalk, Lancaster Avenue sidewalk, Pikeville Medical Tunnel, and KY 18 Mast Arm project in Burlington, and Main/Broadway Mast Arm project in Winchester. **Chris Mischel, PE, CPESC**, will lead the design of signals, and Ryan Steffen, PE, will lead the lighting design services.

APS GEO will provide geotechnical engineering and design when required. APS-GEO has provided geotechnical services for numerous KYTC roadway projects and has worked with Palmer Engineering on various projects. **William Basich, PE**, will lead geotechnical engineering and design as needed.

Construction Supervision will be led by **Matt Arlinghaus, PE**, of Palmer Engineering, and he will be supported by staff from Palmer Engineering and Bryant Associates, including **Howard Weeks**, with Bryant Associates.

Ramona Fry, RLA, David White, RLA, and **Liz Piper, RLA**, from Element Design, will continue to be valuable resources in developing streetscape designs and landscaping for projects where the LFUCG wants to install Green infrastructure.

DBE PLAN

The Palmer/Strand Team has a long history of working with and mentoring DBE firms. For this project, we have included Bryant Associates and Element. Bryant Associates will serve as the primary DBE because of their ability to be involved in multiple aspects of the project. On previous projects, we have provided them with tasks that included roadway and drainage design. Still, recently, we mentored their staff through the development of a sidewalk project, including right-of-way plans, surveying, and plan development. For this project, we anticipate a similar approach where we have them complete all tasks for a particular

task. **Rick Storm, PE**, will assist in roadway design and survey crew activities. Bryant serves as the DBE sub on various of Palmer's statewide contracts and has worked with Stephen Sewell and Palmer Engineering on several other projects, ensuring they will contribute positively to the project team. Metric will assist with environmental task including Archeology and UST task. Element staff have assisted on multiple LFUCG Projects, including Mason Headley, Liberty Road, Versailles Road, and other LPA Projects.

Reasons to Select the Palmer Team

Palmer Engineering has a long tradition of providing quality design and exceptional customer service to LFUCG. Our Team is the ideal selection for this contract for the following reasons:

- A Project Team with considerable LFUCG experience;
- A team of engineers, including the Project Manager, with a reputation for delivering innovative solutions and meeting schedules;
- A Project Manager who is familiar with funding regulations on local projects, including federal grants;
- Excess capacity to complete any task assignment on or ahead of schedule due to the completion of several recent large projects;
- Kentucky-based employees will perform 100% of the work, with the majority of tasks completed by Lexington Residents;

We appreciate consideration of this proposal and look forward to selection and the opportunity for a continued partnership with LFUCG Division of Engineering.

RFP #41-2024 - Indefinite Services Contract

Right-of-Way Services

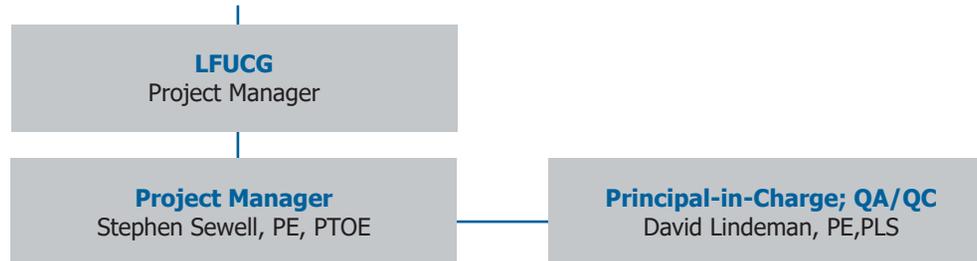




LEXINGTON

Project Team Organizational Chart

RFP#41-2024 - Indefinite Services Contract for Division of Engineering



Right-of-Way Lead
Keith McDonald

Right-of-Way Project Managers
Keith McDonald
Mary Beth Johnson

Acquisition Level III
Tim Flynn
Mary Beth Johnson
Keith McDonald
Ralph Rhemann
Debra Rhemann
Julie Boggess
Chelsea DeWitt, PE*

Relocation - Level III Agent
Keith McDonald
Mary Beth Johnson
Chelsea DeWitt, PE*

Appraisal
Matthew Chapman
Dustin Markwell
Thruston Freeman

*Level I Agent

Roadway Design
Travis Mullins, PE, CPESC
Joshua Samples, PE
David Lanham, PE
Josh Coburn, PE, PTOE, RSP1

Planning
Will Conkin, PE, PTOE, PMP
Joshua Samples, PE
Josh Coburn, PE, PTOE, RSP1

Bike/Ped Design
Travis Mullins, PE, CPESC
Josh Coburn, PE, PTOE, RSP1
Stephanie Blain, PE, LEED AP

Drainage Design
Jeff Cowan, PE
David Lanham, PE
Rick Storm, PE (BA)

Lighting/Signals/Traffic
Chris Mischel, PE, LEED AP, CPESC
Ryan Steffen, PE, RSP1
Josh Coburn, PE, PTOE, RSP1

Environmental
David Waldner, PE (Document)
Chris Blevins (Air & Noise)
Robert Oney (Aquatic/Terrestrial)
Richard Herndon, RPA (Archaeology/UST) (Metric)
Karen Garrard, RPA, RPA (Archaeology/UST) (Metric)
Janie Rice Brother (Historic)
Amber Stimpson (Historic)

Structure Design
David Deitz, PE, PhD
Brad Robson, PE, PhD
Ryan Damon, PE

Grant Assistance
Stephen Sewell, PE, PTOE
David Lindeman, PE, PTOE
Will Conkin, PE, PTOE, PMP

Land Surveying/Boundary
Craig Palmer, PLS
James Mayo, PLS
Thomas Monin, PLS (BA)

Pavement Design
Gary Sharpe, PE, PLS
Ben Hacker, EIT

Utility Coordination
Stephanie Blain, PE, LEED AP
George Garza
Erin Remley, EIT

Landscape (Element)
Ramona Fry, RLA
Billie Motsch, RLA
David White, RLA

Geotechnical (APS Geo)
Bill Basich, PE (Engineering)
Justin Anderson (Engineering)
Lyndsie Janbakhsh, PE (Laboratory)
Ryan Johnson (Drilling)

Construction Administration Resident Engineer
Matt Arlinghaus, PE
Zach Reichert, PE

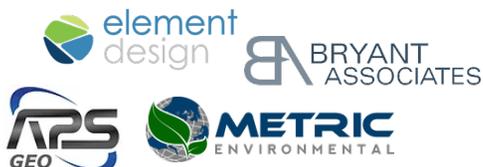
Lead Inspector
Neil Allen
George Garza
Ethan Fielder
Matt Hutchinson
Sydney King

Utility Inspector
Zach Reichert, PE
Stephanie Blain, PE, LEED AP
Howard Weeks (BA)

Grade and Drain Inspector
Neil Allen
George Garza
Ethan Fielder
Matt Hutchinson
Sydney King

Paving Inspector
Neil Allen
Matt Hutchinson
Howard Weeks (BA)

As Builts
Craig Palmer, PLS
Jody Barker, PLS
Will Graves, EIT





Keith McDonald

Director, Right-of-Way Services; Project Manager



Experience
33 years

Education
Western KY University
BS, Marketing, 1983

Registrations
None

Keith has been involved in the real estate business since he graduated from Western Kentucky University in 1983.

Keith joined **Palmer Engineering** in June 2014 following his retirement from KYTC as the Director of the Division of Right of Way and Utilities where he led and provided oversight for all Right-of-Way activities including appraisals, acquisitions, relocations, property management, and utility agreements and relocation; Other KYTC positions included Supervisor of the Right-of-Way Section for District 7 and Unit Leader for Relocation Assistance for District 7; Current and recent project experience includes:

KY 194, Pike County, KY for KYTC (STW 2021-2023 ROW Contract)- Right-of-Way Project Manager for 3.03 miles of spot improvements from west of US 119. The project includes 26 parcels for acquisition, 18 Surface parcels, and 8 mineral parcels, with 18 parcels requiring appraisals, and 2 parcels for relocation.

KY 377, Rowan County, KY for KYTC (STW 2021-2023 ROW Contract)- Right-of-Way Project Manager for reconstruction and widening of KY 377 from KY 32 to north of KY 799. The 4.881-mile-long project. The project includes 105 parcels for acquisition, 62 parcels requiring appraisals, and 54 parcels for relocation. The District Office handles MARs and Relocations.

KY 32, Rowan County, KY for KYTC (STW 2021-2023 ROW Contract)- Right-of-Way Project Manager for 3 parcels and 29 relocations (6 residential, 5 non-residential, and 18 miscellaneous moves) from Park Hills to Viking Drive N. in Morehead, KY. The District is handling a majority of the acquisitions but has conflict of interest on 3 parcels that Palmer is acquiring.

US 150, Nelson County, KY for KYTC (STW 2021-2023 ROW Contract)- Right-of-Way Project Manager for 5.18 miles from the Bluegrass Parkway to the Washington County line involving 30 acquisition parcels and 30 appraisals. The District Office is handling MARs and Relocations.

Wendell H. Ford Airport Access Road, Perry County, KY for KYTC (STW 2021-2023 ROW Contract)- Director of Right-of-Way Services and ROW Project Manager for a new route to the airport. The project includes 7 parcels for acquisition, 7 parcels requiring appraisals, and 1 parcel with 2 residential relocations and 1 miscellaneous move.

US 31W Widening, Warren County, KY for KYTC (STW 2019-2021 ROW Contract)- Director of Right-of-Way Services and ROW Project Manager for appraisals, acquisitions, and relocations Palmer Engineering was selected through the Statewide Right-of-Way Services contract to provide right-of-way services for the widening of US 31W Bypass from Park Avenue to Fairview Avenue in Bowling Green. The 0.777-mile project is a major widening of a dense commercial area. The project includes 31 parcels (26 full acquisition parcels and 5 MAR parcels) and 3 relocations.

Campbellsville Bypass--Section 3, Taylor County, KY for KYTC (STW 2017-2019 ROW Contract)- Director of Right-of-Way Services and Project Manager for ROW services involving appraisals, acquisitions, and relocations. The new route is between KY-70 and US-68. The 2.885-mile project involved approximately 24 acquisition parcels, 24 appraisals, and 20 relocations (5 residential; 1 business; 2 farms, 1 non-profit; 11 miscellaneous).





Tim Flynn ROW Acquisition Agent

Experience
39 years

Education
Northern KY University
BA, Political Science,
1983

Registrations:
KY--Cert. Res. Real Property
Appraiser--1991



Tim was one of the first Residential Real Property Appraisers to be certified by the Commonwealth of Kentucky.

Tim joined **Palmer Engineering** in April 2015; Prior experience included 18 years with KYTC as Unit Leader of Acquisitions and Appraisals and Right-of-Way Agent II for the Right-of-Way Section--KYTC--District 6, and Right-of-Way Agent, Senior, and Principal for the Right-of-Way Section--KYTC--Districts 6-7. Right-of-Way project experience with Palmer includes:

Campbellsville Bypass--Section 3, Taylor County, KY for KYTC (STW 2017-2019 ROW Contract)-

Acquisition Agent / Level III for appraisals, acquisitions, and relocations on a new route between KY 70 and US 68. The 2.885-mile project involved approximately 24 acquisition parcels and 20 relocations. Responsible for 24 acquisitions.

US 31W Widening, Warren County, KY for KYTC (STW 2019-2021 ROW Contract)-

Right-of-Way Acquisition Agent for the widening of US 31W Bypass from Park Avenue to Fairview Avenue in Bowling Green. The 0.777-mile project is a major widening of a dense commercial area. The project includes 31 parcels (26 full acquisition parcels and 5 MAR parcels) and 1 relocation. Responsible for 17 acquisitions.

Elizabethtown Mini-Roundabouts, Hardin County, KY for KYTC and the City of Elizabethtown (STW LPA Contract)- Right-of-Way Acquisition Agent / Level III for Minor Acquisition Review (MAR), Compensation Reports, and acquisitions for 11 roundabouts. The project involved 12 acquisitions and 1 appraisal. Responsible for 12 acquisitions.

KY 377, Rowan County, KY for KYTC (STW 2021-2023 ROW Contract)- Right-of-Way Acquisition Agent for reconstruction and widening from KY 32 to North of KY 799. The 4.881-mile-long project includes 105 parcels for acquisition, 62 parcels requiring appraisals, and 54 parcels for relocation. Responsible for 2 acquisitions.

KY 194, Pike County, KY for KYTC, 2022-Present (STW 2021-2023 ROW Contract)- Right-of-Way Acquisition Agent for spot improvements of KY 194 from West of US 119 going East for the 3.03-mile-long project. The project includes 26 parcels for acquisition, 18 Surface parcels and 8 mineral parcels, 18 parcels requiring appraisals, and 2 parcels for relocation. Responsible for 19 acquisitions.

KY 56, Union County, KY for KYTC (STW 2015-2017 ROW Contract)- Right-of-Way Acquisition Agent / Level III for the second section of a route between Morganfield / US 60 and the Shawneetown Bridge over the Ohio River that meets the AAA Truck standards allowing KY 56 to be added to the National Trucking Network. The 4.46-mile project involved approximately 16 acquisitions and 4 relocations. Responsible for 16 acquisitions. [*"Pause 50" Status was in effect for Suit and Relocation--2015-2021. Restart 2022--for 3 relocations.*]



Campbellsville Bypass, Taylor County, KY





Mary Beth Johnson

ROW Acquisition / Relocation



Experience
28 years

Education
Murray State University
Accounting, 1992-1985

Registrations:
None

A majority of Mary Beth's right-of-way career has been in the relocation assistance program. She has provided relocation assistance benefit services and review on many of KYTC's mega projects--including the Louisville Bridges, Mountain Parkway Expansion, and Newtown Pike Extension.

Mary Beth joined **Palmer Engineering** in January 2022. She retired from the Kentucky Transportation Cabinet in 2016 as the Relocation Assistance/Property Management Branch Manager where she provided oversight and guidance for relocation and property management activities statewide. She is qualified by KYTC as a project manager, Level III Buyer, and Level III Relocation Agent. Project experience includes:

KY 32--Flemingsburg Road, Rowan County, KY for KYTC (STW 2021-2023 ROW Contract)- Project Acquisition and Relocation Agent for project containing 83 parcels from Park Hills Drive to Viking Drive North. The project involves 83 acquisition parcels with 56 parcels being appraised and 27 parcels considered Minor Acquisition Review (MAR); 80 parcels are being acquired by District 9 right-of-way staff. Acquisition agent for 1 appraisal and 2 MAR parcels. Relocation assistance agent for 26 parcels comprised of 5 residential relocations, 5 non-residential relocations, 2 signs and 14 miscellaneous moves.

KY 377--Cranston Road, Rowan County, KY for KYTC (STW 2021-2023 ROW Contract)- Right-of-Way Acquisition and Relocation Agent for reconstruction and widening from KY 32 to north of KY 799. The 4.881-mile project involves 105 parcels with 39 parcels considered Minor Acquisition Review (MAR), 62 appraisals, and 50 relocations parcels (23 residential, 5 non-residential, and 22 miscellaneous). District 9 ROW personnel are acquiring the MAR parcels. Acquisition Agent for 62 parcels.

KY 194--Meta-Kimper Road, Pike County, KY for KYTC (STW 2021-2023 ROW Contract)- Right-of-Way Acquisition and Relocation Agent for spot improvements from the US 119 ramp near Smith Farms Bottom to near Deskins Branch Culvert. The 3.049-mile project involves improvements along the existing roadway, including 26 parcels comprised of 18 surface parcels and 8 mineral parcels. Of the 18 surface parcels, 8 parcels are in the Minor Acquisition Review (MAR) category with the remaining requiring appraisals. The 8 mineral parcels will require narrative appraisals. Responsible for acquisition and relocation for 2 appraised parcels and 1 mineral parcel, which involve 1 residential/miscellaneous move and 1 non-residential miscellaneous move.

Seventh Street Extension, Clark County, Winchester, KY for the City of Winchester and KYTC - Right-of-Way Acquisition Agent / Level III for ROW services for construction of approximately .75 miles of roadway connecting 7th Street to KY 627 (North Maple Street) in downtown Winchester. The project consists of 7 acquisitions, and 7 appraisals. Responsible for 7 acquisitions.

Wathen Lane, Henderson County, KY for City of Henderson and KYTC (STW LPA Contract)- Right-of-Way Acquisition Agent for 18 parcels on a 1.24-mile project for the upgrade of Wathen Lane to widen lanes, curb, guttering and sidewalk from US 60 to the city limits. The project involves approximately 18 parcels including 4 appraisal parcels. Responsible for 9 acquisitions, including 2 appraisals and 7 Minor Acquisition Review (MAR) parcels.

Wendell Ford Airport Access Road, Perry County, for KYTC (STW 2021-2023 ROW Contract)- Right-of-Way Acquisition and Relocation Agent for a new route / access road to the airport. The project involves 7 acquisition parcels, all requiring appraisal services, and 3 relocation parcels. Responsible for 1 acquisition and 3 relocations (2 residential and 1 miscellaneous).





David Lindeman, PE, PLS

Principal-in-Charge



Experience
37 years

Education
University of Kentucky
BS, Civil Engineering, 1986

Registrations:
PE--KY-16712-1991; 13 other states
PLS--KY-3284-1995

David excels at managing projects that require coordinating challenging multi-discipline elements, such as right-of-way, environmental, and design considerations.

David joined **Palmer Engineering** in 1986. He has served as a Principal, Vice President, Director of Transportation, and became President and CEO in June 2010. David has been involved in complex and challenging roadway design projects for much of his 37-year career. He has extensive experience with roadway design projects and surveying in many different types of terrain, interchange design, and presentation of complex design concepts to design teams and the public. David is Palmer's Principal over the roadway design, right of way, environmental, and survey sections. Project experience includes:

Elizabethtown Mini-Roundabouts, Hardin County, KY for KYTC and the City of Elizabethtown - Principal-in-Charge for the study of multiple intersections for the implementation of mini-roundabouts. Two roundabouts have been constructed, and 9 others were let in 2023. The project is funded as a Highway Safety Improvement Program (HSIP) demonstration project. The project included 12 acquisitions and 1 appraisal.



KY Statewide Right-of-Way Services Contract for KYTC, 2021-2023 - Principal-in-Charge for two-year contract for right-of-way services assigned via Letter Agreement on an as-needed basis. Activities included appraisals, acquisitions, and relocations. Assignments include:

- KY 194, Pike County, KY--26 acquisitions, 18 appraisals, 2 relocations
- KY 32, Rowan County, KY--3 acquisitions, 29 relocations
- KY 377, Rowan County, KY--105 acquisitions, 62 appraisals, 54 relocations
- US 150, Nelson County, KY--30 acquisitions, 30 appraisals
- Wendell H. Ford Airport Access Road, Perry County, KY--7 acquisitions, 7 appraisals, 3 relocations (on 1 parcel)

KY Statewide Right-of-Way Services Contract for KYTC, 2019-2021 - Principal-in-Charge for two-year contract for right-of-way services assigned via Letter Agreement on an as-needed basis. Activities included acquisitions and relocations under the following assignment:

- US 31W Widening, Warren County, KY--31 acquisitions (26 full parcels and 5 MAR parcels), 3 relocations

KY Statewide Right-of-Way Services Contract for KYTC, 2017-2019 - Principal-in-Charge for two-year contract for right-of-way services assigned via Letter Agreement on an as-needed basis. Activities included appraisals, acquisitions, and relocations. Assignments included:

- Campbellsville Bypass--Section 3, Taylor County, KY--24 acquisitions, 24 appraisals, 20 relocations
- US 641, Calloway County, KY--59 acquisitions, 32 relocations
- US 60, McCracken County, KY--27 acquisitions

KY Statewide Right-of-Way Services Contract for KYTC, 2015-2017 - Principal-in-Charge for two-year contract for right-of-way services assigned via Letter Agreement on an as-needed basis. Activities included appraisals, acquisitions, and relocations. Assignments included:

- KY 536, Boone County, KY--48 acquisitions, appraisals, 6 relocations
- KY 15, Perry County, KY--33 acquisitions, appraisals, 39 relocations
- KY 53, Shelby County, KY--17 acquisitions, appraisals, 3 relocations



Stephen Sewell, PE, PTOE

Project Manager



Experience
25 years



Education
University of Kentucky
BS, Civil Engineering, 2000

Registrations
PE--KY 24030-2004 and 5 other states
PTOE--National-2215-2007

Stephen joined **Palmer Engineering** in 1999 and was named a principal and vice president in 2016. He is considered an expert in traffic modeling, analyzing traffic flow, and developing solutions to enhance roadway geometry; he has developed a reputation for quick responsiveness on projects with limited funding and those with accelerated or tight schedules. Project experience includes:

I-275 / KY 476--Graves Road Interchange--Design-Build, Boone County, KY for KYTC - Overall Design Project Manager for reconstruction of 2.2 miles of existing Graves Road from KY 20 to KY 237 to a 4-lane facility with a new 2-lane roundabout. Project includes construction of a new interchange on I-275 at Graves Road, a multi-use path, and sidewalks. Activities included roadway design, right-of-way acquisition, utility relocation, and project schedule. Tasks included development of auxiliary lanes along I-275 and development of a diverging diamond interchange (DDI) that required traffic modeling and coordination with FHWA and KYTC. Developed modifications to the project horizontal and vertical grade to balance earthwork and developed details for the roundabout. The project involved extensive maintenance of traffic requirements.

Elizabethtown Mini-Roundabouts, Hardin County, KY for KYTC and the City of Elizabethtown - Project Manager for the study of 11 intersections for the implementation of mini-roundabouts. The study included the use of CAP-X software to evaluate traffic movements at each intersection to see if a mini-roundabout could function effectively. Eleven of the intersections have been advanced to final design, which includes surveying and development of proposal plans. The project is funded as a Highway Safety Improvement Program (HSIP) demonstration project. In addition, KY 251 was identified as a potential road diet reducing four lanes to three lanes with bicycle lanes.

Thurston Freeman

Independent ROW Review Appraiser



Experience
50 years

Education
Numerous Appraisal and
Real Estate Courses

Registrations
SRA--Appraisal Institute Designation
General Real Property Appraiser--#1571

Thurston is an Independent Appraiser for **Palmer Engineering** and owner of Freeman Appraisal Service. He has 50 years of experience as an Appraiser, and he has taught appraisal and market analysis courses for the Bluegrass Association of Realtors and the Kentucky Department of Transportation; Project experience with Palmer includes:

Wendell H. Ford Airport Access Road, Perry County, KY for Palmer Engineering and KYTC - Review Appraiser for a new route to the airport. Responsible for 7 parcels requiring appraisals.

KY 56, Union County, KY for Palmer Engineering and KYTC - Review Appraiser for 3 relocations for the 2022 Restart (after "Pause 50" status) for a route between Morganfield / US 60 and the Shawneetown Bridge over the Ohio River for a 4.46- mile project to meet AAA standards allowing KY 56 to be added to the National Trucking Network. Involved approximately 16 acquisitions and 4 relocations.

US 150, Nelson County, KY for Palmer Engineering and KYTC - Review Appraiser for a 5.18-mile project from the Bluegrass Parkway to the Washington County line involving 30 acquisition parcels and 30 appraisals.

Seventh Street Extension, Clark County, Winchester, KY for the City of Winchester, Palmer Engineering, and KYTC - Review Appraiser for construction of approximately .75 mile of roadway connecting 7th Street to KY 627 (North Maple Street) in downtown Winchester. The project consists of 7 acquisitions and 7 appraisals.

Wathen Lane, Henderson County, KY for Palmer Engineering and KYTC - Review Appraiser for 18 parcels on a roadway upgrade/widening project that includes 4 appraisals and 0 relocations.



Matthew Chapman

Independent ROW Appraiser



Experience

20 years

Education

Miami (OH) University
BS, Environmental Geology, 2003
BS, General Business

Certifications and Affiliations

Gen. Real Property Appraiser--KY-4466;
6 other states; Member--MAI; CMA; ASA;
IRWA

Matthew, with **Chapman Appraisals**, became affiliated with **Palmer Engineering** in 2014. Project experience includes:

McCracken County, KY for KYTC - Item No. 1-153.00; 15 parcels; Project Appraisals

Warren County, KY for KYTC - Item No. 3-110.30; 8 parcels; Project Appraisals

Boone County, KY for KYTC - Item No. 6-444.00 and 6-445.00; 15 parcels; Project Appraisals

Graves County, KY for KYTC - Item No. 1-181.50; 12 parcels; Project Appraisals

Calloway County, KY for KYTC - Item No. 1-314.10; 18 parcels; Project Appraisals

Livingston County, KY for KYTC - Item No. 1-1142.00; 5 parcels; Project Appraisals

Union County, KY for KYTC - Item No. 2-310.21; 10 parcels; Project Appraisals

Jefferson County, KY for KYTC - Item No. 5-122.00; 10 parcels; Project Appraisals

Hardin County, KY for KYTC - Item No. 417.00; 1 Litigation Appraisal

Meade County, KY for KYTC - Item No. 4-297.61; 1 Litigation Appraisal

Bullitt County, KY for KYTC - Item No. 5-293.20; 1 Litigation Appraisal

Jefferson County, KY for KYTC - Item No. 5-530.00; 1 Litigation Appraisal

Oldham County, KY for KYTC - Item No. 5-8201.00; 1 Litigation Appraisal

Dustin Markwell

Independent ROW Appraiser



Experience

8 years

Education

University of Louisville
BA, Cultural Anthropology

Registrations

Certified General Fee
Appraiser--5579--2020

Dustin became affiliated with **Palmer Engineering** in 2023. He has been an active real property appraiser since 2015 and is currently engaged in commercial real property consulting and valuation as a licensed certified general real estate fee appraiser with Chapman Appraisals, LLC. Project experience:

US 150, Nelson County, KY for Palmer Engineering and KYTC - ROW Appraiser for 5.18 miles from the Bluegrass Parkway to the Washington County line--30 acquisition parcels and 30 appraisals.

US 31W Widening, Warren County, KY for Palmer Engineering and KYTC - ROW Appraiser for the widening of US 31W Bypass from Park Avenue to Fairview Avenue in Bowling Green. The 0.777-mile project includes 31 parcels--26 full acquisition parcels and 5 MAR parcels--and 3 relocations. Responsible for 27 appraisals.

I-275 / Graves Road--Design-Build, Boone County, KY for KYTC - Assisted with 62 appraisals on the new interchange project. Right-of-way acquisitions consist of 68 parcels, with 62 parcels requiring appraisals, and 21 relocations.

KY 536, Boone County, KY for Palmer Engineering and KYTC - Assisted with 32 appraisals on the .866-mile realignment and reconstruction of Mt. Zion Road. The ROW portion of the project included 48 parcels--32 parcels being full acquisition parcels, 10 MAR, and 6 relocations.





LFUCG Projects

Mason Headley, Fayette County

Old Todds Road, Fayette County

Project Managers

Stephen Sewell, PE, PTOE

Team Members

Keith McDonald
Mary Beth Johnson
Tim Flynn
Matt Champan
Thurston Freeman

Agency / Client Contact

LFUCG
Thomas Clements, PE
859-258-3441

Dates

2023-2024
2017-2019

Project Description

Mason Headley, Fayette County

Palmer Engineering designed the roadway improvements for the new entrance into the school, which is planned at the corner of Mason Headley and Versailles Road. The roadway improvements required the acquisition of two parcels with miscellaneous moves on each property. The project team developed an appraisal for one parcel since it would require reconstruction of the gated entrance and fee simple right of way for the sidewalk and drainage improvements. The appraisal completed by Matt Chapman and reviewed by Thurston Freeman was prepared within 60 days, and the offer to the owner has been made. The use of a MAR for the temporary easement was completed and approved so that it could also be made to the property owner. Each parcel followed the federal and state requirements even though it was locally funded.

Old Todds Road Sidewalk, Fayette County

Palmer Engineering designed sidewalks for a 0.6-mile section of Old Todds Road in Fayette County. The corridor is located in an area of residential development that has a high volume of foot traffic. As part of the grant, Palmer developed preliminary and final plans within the right of way and avoided all utility relocations along the corridor. The project required extensive coordination with the utility companies and reconstruction of 3 approaches to assure ADA compliance. Palmer developed the bid documents, assisted with environmental clearance, and assisted the city with the LPA forms.

As part of the right-of-way phase, Palmer assisted with reviewing the MAR offers to ensure they were within the ranges and met similar sales in the area. This information was provided to the project manager for his use, and he also assisted with questions that occurred during the negotiation phase.



Project Elements

Right-of- Way Acquisitions
Right-of-Way Relocations
Right-of-Way Appraisals





Project Managers
Keith McDonald

Team Members
Keith McDonald
Mary Beth Johnson
Tim Flynn
Thurston Freeman

Agency / Client Contact
KYTC District 5
Tom Boykin; 502-210-5400

KYTC District 7
Cecil Smith; 859-246-2355

KYTC District 6
Lynn Whalen; 859-341-2700

KYTC District 3
Mihael Russell; 270-746-7898

KYTC District 2
Jennifer Cox; 270-824-7080

Dean Loy; 502-564-3210

Dates
2017-2019
2021-Present
2019
2023-Present
2020-2022

Project Elements

Right-of- Way Acquisitions
Right-of-Way Relocations
Right-of-Way Appraisals

Right-of-Way Services

Local Public Agencies ROW Projects:
Shively Sidewalks, Jefferson County, KY
7th Street Extension, Clark County
Main Street Sidewalks, Kenton County
Wildcat Way Sidewalks, Simpson County
Wathen Lane, Henderson County

Project Description

Palmer Engineering is frequently selected by Local Public Agencies (LPA) to provide right-of-way services under our continuing two-year *Statewide LPA Contracts*. Selected projects include:

Shively Sidewalks, Jefferson County - The City of Shively received a TAP Grant to construct sidewalks along three street corridors. Existing sidewalks were not ADA compliant and were located sporadically. Palmer developed final construction plans, lead two public meetings, provided right-of-way acquisition services for 5 parcels, coordinated with utility companies, and provided construction administration. Construction was completed in Fall 2019.



7th Street Extension, Clark County - The 0.7-mile segment of roadway redesign addresses traffic flow, connecting 7th Street to KY 627 in downtown Winchester, and eliminating heavy truck traffic from neighborhood streets. Right-of-way services include deed preparation and property owner coordination for 6 acquisition parcels and appraisals.



Main Street Sidewalks, Kenton County, KY - The City of Bromley engaged Palmer Engineering to design sidewalk improvements along Main Street and design of a pile and lag retaining wall. The existing retaining wall had failed, resulting in the sidewalk having to be closed. Right-of-Way services involved 2 acquisition parcels.

Wildcat Way Sidewalks, Simpson County, KY - This project involves 2 acquisition parcels for sidewalk improvements in the City of Franklin.

Wathen Lane, Henderson County - The 1.4-mile project involves roadway upgrade/widening that includes 18 acquisition parcels with 4 appraisals and 0 relocations. The proposed typical section included addition of a bike lane and sidewalk with curb and gutter. Temporary easements were required on several parcels for sidewalk construction. Other ROW involved a long 20' wide strip along the front property line of several parcels. No improvements were acquired on 17 parcels; brick entrance wall improvements were acquired on one parcel; a landscaping area within permanent easement area was acquired on one parcel; and over 500 feet of 3-board vinyl fencing was acquired on one parcel.





Right-of-Way Services

Statewide Right-of-Way Contract--2021-2023

KY 194, Pike County

US 150, Nelson County

Wendell Ford Airport Access Road, Perry County

Project Managers

Keith McDonald

Team Members

Keith McDonald
 Mary Beth Johnson
 Tim Flynn
 Matt Chapman
 Dustin Markwell
 Thurston Freeman

Agency / Client Contact

KYTC District 12
 Joe Tackett; 606-433-7791

KYTC District 4
 Mike Price; 270-766-5066

KYTC District 10
 Edgar Raleigh; 606-666-8841

Dean Loy; 502-564-3210

Dates

2022-Present
 2023-Present
 2023-Present

Project Elements

Right-of-Way Acquisitions
 Right-of-Way Relocations
 Right-of-Way Appraisals

Project Description

Palmer Engineering was selected to provide acquisition, appraisal, and relocation services under the 2-year *2021-2023 Statewide ROW Services Contract*. The projects described below are 3 of the 5 projects awarded to Palmer under the contract.

KY 194, Pike County - The 3.049-mile project involves spot improvement, pavement reconstruction, and realignment along existing KY 194. The moderately complex project will improve KY 194 from the US 119 ramp near Smith Farms Bottom to near Deskins Branch Culvert. Palmer was selected to complete appraisal acquisitions, relocation assistance, and closings on the project--26 parcels comprised of 18 surface parcels and 8 mineral parcels. Of the 18 surface parcels, 8 are in the Minor Acquisition Review (MAR) category with the remaining 8 parcels requiring appraisals. The 8 mineral parcels require narrative appraisals. Relocations include 1 residential/miscellaneous move and 1 non-residential/miscellaneous move.



US 150, Nelson County - The 5.18-mile long major complex project includes a new route as well as realignment of portions of existing US 150 from the Bluegrass Parkway to the Washington County line. The project requires appraisal, appraisal review, acquisition, and closing services and includes 53 parcels. Palmer was selected to complete 30 parcels requiring appraisals; the District 4 Office will complete 23 MAR parcels and all necessary relocation assistance parcels.



Wendell Ford Airport Access Road, Perry County - The 1.73-mile long moderately complex project of new construction includes a new route KY 15 to the airport and consists of 7 parcels. Palmer was selected to complete 7 parcels requiring appraisal and acquisition, and relocation assistance for 1 parcel with 3 relocations. The project will go cross county and will affect different property types.





Right-of-Way Services

Statewide Right-of-Way Contract--2021-2023

KY 32, Rowan County

KY 377, Rowan County

Project Managers

Keith McDonald

Team Members

Keith McDonald
Mary Beth Johnson
Tim Flynn
Kevin Johnson

Agency / Client Contact

KYTC District 9
James Mason
606-845-2551

Dean Loy
502-564-3210

Dates

2022-Present
2022-Present

Project Description

Palmer Engineering was selected to provide acquisition, appraisal, and relocation services under the 2-year 2021-2023 *Statewide ROW Services Contract*. The Rowan County projects described below are 2 of the 5 projects awarded to Palmer under the contract.

KY 32, Rowan County - The 2.45-mile moderately complex project involves widening of existing KY 32 from Park Hills Drive to Viking Drive North to improve safety. The project includes 83 acquisition parcels with 56 parcels being appraised and 27 parcels considered Minor Acquisition Review (MAR). Palmer was selected to complete acquisitions for 1 appraisal parcel and 2 MAR parcels. Relocation assistance includes 26 parcels--5 residential relocations, 5 non-residential relocations, 2 signs, and 14 miscellaneous moves.



KY 377, Rowan County - The 4.881-mile complex project involves reconstruction and realignment of existing KY 377 from KY 32 to Clearfork Road to improve safety, capacity, efficiency, and highway connectivity in preparation of a new interchange on I-64 at mile point 3.1. The project involves 106 parcels with 39 parcels considered Minor Acquisition Review (MAR), and 67 appraisals. Palmer was selected to complete appraisals on 67 parcels and acquisitions on 62 appraisal parcels. District 9 is acquiring the MAR parcels and completing all relocations.



Project Elements

Right-of-Way Acquisitions
Right-of-Way Relocations
Right-of-Way Appraisals





Right-of-Way Services

I-275/Graves Road--Boone County, KY

Project Manager
Keith McDonald

Common Team Members
Keith McDonald
Tim Flynn
Matt Chapman
Julie Boggess
Peggy McKiernan
Thurston Freeman
Dustin Markwell

Agency
KYTC, District 6
Brandon Seiter
859-341-2700

Dates
2019-2022

Project Elements

*Right-of-Way Acquisition
Appraisals/ Appraisal Reviews
Right-of-Way Relocation*

Project Description

Palmer Engineering (Palmer) was the Lead Design Consultant and Right-of-Way Acquisition Consultant on the Design-Build Team (DBT) for rebuilding Graves Road from KY 20 to KY 237 and constructing a new Double Crossover Diamond (DCD) Interchange for I-275.

A Right-of-Way property owners' meeting was held with the property owners impacted by the project to introduce the right-of-way team and collect information for future contact. Project management of the right-of-way process was critical to enabling the DBT to construct the project in buildable units. Palmer prioritized the individual parcels in each unit and aggressively completed the appraisals to accelerate the acquisition of the key parcels to allow the contractor to begin relocating utilities and constructing relocated Williams Road and Graves Road.

Unit One involved 20 parcels, including 18 appraisals and 9 relocations within the interchange priority section from south of I-275 to Worldwide Blvd. The remainder of the project was divided into two separate units. Unit Two involved 23 parcels with 18 appraisals and 5 relocations, all completed. Unit Three involved 21 parcels with 12 appraisals and 7 relocations.

The total project involved 64 parcels with 48 appraisals and 21 relocations.

The new Graves Road DCD interchange at I-275 officially opened to traffic from the roundabout at KY 237 to KY 20 on July 8, 2022.





Right-of-Way Services

US 460, Bourbon County, KY

US 641, Calloway County, KY

Project Manager
Keith McDonald

Common Team Members
Keith McDonald
Tim Flynn
Julie Boggess
Thurston Freeman

Agency
KYTC District 7
Cecil Smith, ROW Supervisor
859-246-2355

KYTC District 1
Greg Morgan, ROW Supervisor
270-898-2431

Dean Loy, Director
Division of Right of Way and
Utilities
502-564-3210

Dates
2019-2021
2018-2020

Project Description

US-460, Bourbon County, KY

Palmer Engineering was selected with H. W. Lochner to provide right-of-way services for the reconstruction of US 460 from Russell Cave Road to the Paris Bypass in Fayette and Bourbon Counties, a 6.6-mile project. The project includes 57 parcels for acquisition and approximately 15 parcels for relocation.

Palmer Engineering was responsible for acquisition on 39 parcels and 5 relocation parcels. The Cabinet provided the title work.

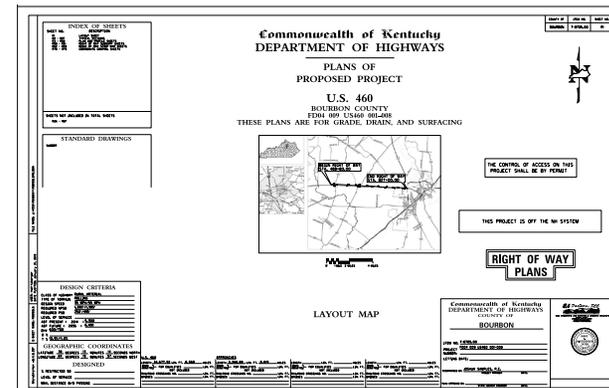
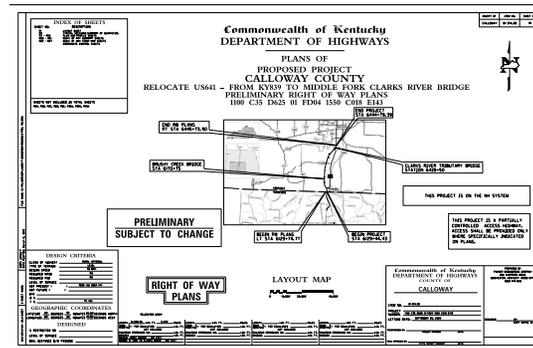


US-641, Calloway County, KY

Palmer Engineering was selected through the *2017-2019 KYTC Statewide Right-of-Way Services Contract* to provide right-of-way services for the relocated US 641 from KY 839 to Middle Fork Clarks River Bridge in Calloway County. The project is a cross-country project 5.972 miles in length project with construction of 4-lane divided highway.

The project included 59 parcels for acquisition, 37 parcels requiring appraisals, and 32 parcels for relocation.

Project Elements
Right-of-Way Acquisition
Right-of-Way Appraisal
Right-of-Way Relocation





Right-of-Way Services

KY 237, Boone County, KY

KY 536, Boone County, KY

Project Manager

Keith McDonald

Team Members

David Lindeman, PE, PLS

Keith McDonald

Tim Flynn

Kevin Damron, PE

Julie Boggess

Thurston Freeman

Matthew Chapman

Agency

KYTC, District 6

Eric Kinman, ROW Supervisor

859-341-2700

Dates

2015-2018

2017-2019

Project Description

KY 237, Boone County, KY

In December 2014, Palmer Engineering was selected by KYTC to provide right-of-way services for 3.119 miles of reconstruction and widening of KY 237--Pleasant Valley / Camp Ernest Road from Valley View Drive to Rogers Lane in Boone County.

The contract required appraisal, acquisition, and relocation services. The project consisted of 133 parcels, with 39 parcels requiring appraisals, and 11 parcels requiring relocation assistance.

The project has been completed.

KY 536, Boone County, KY

Palmer Engineering was selected by KYTC through the *2015-2017 Statewide Right-of-Way Services Contract* to provide right-of-way services for reconstruction and widening of KY 536--Mt. Zion Road from the I-75 interchange to US 25 in Boone County.

The project required appraisal, acquisition, and relocation services. The 0.866-mile-long project included major widening of Mt. Zion Road to six lanes from I-75 interchange to US 25. The project included 42 acquisition parcels, with 31 parcels requiring appraisals, and 4 parcels requiring relocation assistance. The project alignment follows the existing roadway through a largely commercial area.

The project has been completed.



Project Elements

Right-of-Way Acquisition
Right-of-Way Relocation
Appraisals / Appraisal Reviews





Right-of-Way Services

US 62, McCracken County

East Brannon Road, Jessamine County

Project Manager
Keith McDonald

Common Team Members
Keith McDonald
Tim Flynn
David Lindeman, PE, PLS

Agency
KYTC District 1
Greg Morgan; 270-898-2431

KYTC District 7
Rex Alexander; 859-246-2355

Bellerive Development Co.
Jim Hughes; 859-887-3100

Dean Loy; 502-564-3210

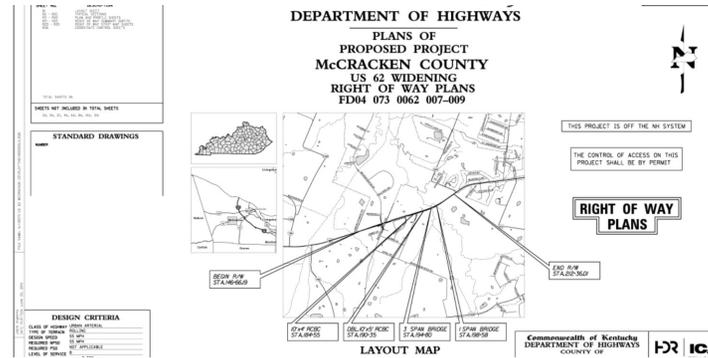
Dates
2015-2019
(Pause 50--2016-2018)
2015-2016

Project Description

US 62, McCracken County

Palmer Engineering was selected by KYTC through the *2017-2019 Statewide Right-of-Way Services Contract* to provide right-of-way services for 1.244 miles of reconstruction and widening of US 62--Blandville Road from Lamond-Perdew Road to Olivet Church. The project was in Pause 50 status from 2016 until 2018.

The project required appraisal and acquisition services and included 26 acquisition parcels, with 13 parcels requiring appraisals. The project alignment follows the existing roadway through a largely rural residential area.



East Brannon Road, Jessamine County

Palmer Engineering was selected by KYTC through the *2015-2017 Statewide Right-of-Way Services Contract* to provide right-of-way services for 2.146 miles of roadway and fast-track acquisition of right of way for East Brannon Road. This project included extension of East Brannon Road to four lanes and new construction from inside the Brannon Crossing Development to KY 1974 (Tates Creek Road). The project consisted of 16 parcels--including 12 appraisals, and 1 relocation.



Project Elements
Right-of-Way Acquisition
Right-of-Way Relocation
Appraisals / Appraisal Reviews
Negotiations





Project Approach

Fayette County, RFP#41-2024 Indefinite Services Contract (Right of Way)

INTRODUCTION

Palmer Engineering has assembled a team of highly qualified and experienced right-of-way, engineering, and technical professionals to respond to the LFUCG's need for right-of-way services. We have recruited the expertise of prequalified KYTC independent right-of-way acquisition and relocation agents with many years of experience on highway or other public works projects in the Commonwealth of Kentucky. Palmer Engineering has also allocated staffing with past right-of-way experience on state and local government projects to be part of this team as Relocation Trainees. The Palmer Right-of-Way Team will respond to any project assigned under this contract.

Since retiring from the KYTC in 2014, **Keith McDonald** has served as Palmer Engineering's Director of Right-of-Way Services. He has managed the clearance of numerous right-of-way projects, including several high-priority projects with very tight schedules. As the former KYTC Director, Keith led and provided oversight for all Right-of-Way activities, including appraisals, acquisitions, relocations, property management, and utility agreements and relocations. **Mary Beth Johnson** will assist Keith as a Right-of-Way Project Manager and lead relocation agent for all assignments. Ms. Johnson has 27 years of right-of-way experience in project management, relocation assistance, and acquisition under eminent domain laws. Experience includes four years with KYTC as Branch Manager of Relocation and Property Management, three years as Program Specialist for Relocation and Property Management for the Right-of-Way Central Office, and three years as Right-of-Way Agent for acquisition and

relocation assistance in District 5. Keith and Mary Beth will lead each assignment to ensure that every right-of-way project is cleared promptly as a top priority.

PROJECT EXPERIENCE

Palmer Engineering has a strong history of cooperation and timeliness in accomplishing past right-of-way assignments through strong relationships, frequent communication, innovative technology, and effective project management. We understand that most of the project assignments have very tight schedules for right-of-way clearance to facilitate utility relocations and letting the project to construction. To expedite the right-of-way process, we often hold a Right-of-Way meeting with the property owners impacted by the project to introduce the right-of-way team and collect information for future contact.

Palmer is acquiring the right-of-way for two parcels for the Mason Headley improvement project. The parcels are currently in the offer stage, with a scheduled closing in the Fall of 2024. Palmer is following the KYTC guidelines on this project even though it is funded locally. This will eliminate any issues if courts are necessary for the acquisition.

KYTC selected Palmer Engineering to provide right-of-way services for the reconstruction and widening of US 31W in Warren County. The project comprised 32 parcels, 26 of which required appraisals, and 9 required relocation assistance. The project was cleared in a timely manner for the relocation of utilities and construction letting.

Palmer provided engineering and right-of-way services for the design-build project to rebuild Graves Road in Boone County from KY 20 to KY 237 and construct a new Double Crossover Diamond (DCD) Interchange for I-275. The project involved 65 parcels, including 20 parcels and 9 relocations within the interchange priority section from south of I-275 to Worldwide Boulevard. Keith's project management of the right-of-way process was crucial to enabling the DBT to construct the project in buildable units. Palmer prioritized the individual parcels in each unit and aggressively completed the appraisals to accelerate the acquisition of the key parcels. This allowed the contractor to begin relocating utilities and constructing relocated Williams Road and Graves Road. The team employed innovative design, environmental, utility coordination, right of way, and construction measures to fast-track the project's development to meet the goal of opening the DCD interchange to traffic barely one year after the award of the project.



Palmer Engineering provided turn-key engineering, environmental, and right-of-way services to KYTC to reconstruct US 641 in Calloway County, KY (6.04 miles). The project was awarded a \$23M BUILD grant, requiring



funds to be obligated for construction in less than two years. Preliminary right-of-way plans were used to initiate title and deed research on potentially impacted properties. Ultimately, the project impacted 57 parcels and required 27 relocations. With advanced state right-of-way funding, the relocation parcels were prioritized for acquisition. All acquisitions and relocations were completed three months in advance of the letting of the project.



KYTC selected Palmer Engineering to provide right-of-way services for the reconstruction and widening of KY 237 and KY 536 in Boone County, KY. The contracts required appraisal, acquisition, and relocation services. The KY 237 project comprised 133 parcels, 39 of which required appraisals and 11 required relocation assistance. The KY 536 project included 42 parcels, 31 of which required appraisals and 4 of which required relocation assistance. Both projects were cleared for the scheduled construction lettings in a timely manner and are now under construction.

Palmer Engineering expedited the right-of-way acquisition for approximately 62 parcels with 7 relocations for widening 4.5 miles of KY-56 in Union County. The consultant team implemented a Design/Buy approach to streamline the design and right-of-way process and meet the mandated construction schedule set by KYTC leadership. Property ownership was established through owner contacts and field surveys as soon as the project was authorized.



Preliminary plans were then provided to the title attorney and our project appraisers while design alignments were still being developed. Our ROW Project Manager was involved throughout the development of the horizontal and vertical alignments of the proposed roadway to ensure that right-of-way impacts were minimized. Right-of-way plans were completed within a few weeks of KYTC's approval of the Preliminary Line and Grade to complete the final appraisals.



THE PALMER APPROACH

The Palmer Right-of-Way Team will take immediate action to begin working on each assignment as soon as receiving Notice to Proceed. We do not stop until all parcels are acquired or condemned and the relocations are complete!

Project Notice to Proceed: As soon as Palmer is notified to proceed with the project, we will contact the project manager to schedule a Project Meeting. We will also begin collecting all available information for the project, including right-of-way

plans, public meeting summaries, and any other preliminary or final project information pertinent to property owner coordination. The Palmer Right-of-Way Team will then review the project plans to understand the purpose and need and how the project impacts private property. We will review the public meeting summaries to look for sensitive property issues and concerns the property owners and the general public raised relative to right-of-way impacts. Representatives of the project team will travel to the project location to take photographs and to become more familiar with the project area.

Project Meeting: The Palmer Right-of-Way Team will meet with the project manager and key staff. We will discuss the goals and expectations and clearly define everyone's roles, project deadlines, and a project schedule to fulfill these expectations. Through this collaboration, we will better understand the history of the project and property owner issues. We want to identify parcels of high importance or concern to the city. Some of these parcels may be high-profile parcels sensitive to the leadership. Some parcels may be significant due to prior public involvement, Environmental Justice requirements, property owner contacts, or utility coordination.



Regular and Continuous Project Updates: Palmer Engineering will communicate with the LFUCG Supervisors regularly by phone, texts,



e-mails, Microsoft Teams video conferences, and ROW status reports.

Right of Way Status Report															
Parcel ID	Parcel Name	Owner	Address	Area	Acquired	Appraised	Relocated	Relocation Date	Relocation Status	Relocation Type	Relocation Reason	Relocation Date	Relocation Status	Relocation Type	Relocation Reason
10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000

We will immediately inform city leadership and keep them apprised of any discrepancies in title, right-of-way plan details, or any sensitive matter that might develop through the negotiation process. These issues can result in significant project delays or public relations matters. Our Palmer Right-of-Way Team will also notify the Project Manager, especially when this activity involves meetings with property owners.

Appraisals: Keith McDonald will evaluate each project and recruit the best appraiser available to respond promptly to the project schedule. We have recruited the appraising services of several of the best and most highly recognized appraisers in Kentucky. **Thurston Freeman, Matt Chapman, and Dustin Markwell** have agreed to provide appraisal and/or review appraisal services on Palmer-assigned projects.

Palmer Engineering will allocate the staff and resources to ensure that every right-of-way project assigned to the Palmer ROW Team will be a priority and will be completed on time. We have carefully selected independent agents with excess capacity to work on projects and train Palmer engineers and technicians as Level I buyers. Our Palmer Right-of-Way Team is further strengthened by the understanding that the

appraisals dictate much of the schedule of the right-of-way project.

Negotiations: The goal of the Palmer Right-of-Way Team is to negotiate and settle with all property owners affected by the project. Our agents commit to establishing a good relationship with each property owner and negotiating a fair and reasonable settlement based on the appraised fair market value. Our experienced agents recognize those parcels on which the property owners are unwilling to settle and will provide the property owner with the required notification of condemnation at the appropriate time in the negotiations. The legal process for condemnation is positive for both LFUCG and the private property owner and enables all parties to move forward to an eventual settlement. Following the required notice, our Acquisition Agent will prepare the condemnation package for submittal to the City for assignment.

Relocation Assistance: When relocation assistance is required, one of our relocation agents will prepare the Acquisition Stage Relocation Report (ASRR). Our experienced relocation agent--Mary Beth Johnson--is familiar with 49 CFR, Part 23, Uniform Relocation Assistance and Real Property Regulations for Federally Assisted Programs, 600 KAR 3:010, and the KYTC Relocation Assistance Guidance Manual. Mary Beth is prequalified for both residential and non-residential relocations. Our relocation agent will provide ongoing relocation assistance and advice to displacees affected by the acquisition of the right of way. Before the offer is made to the property owner, a prequalified member of our Palmer Right-of-Way Team will locate comparable available housing and submit the computed request for Relocation Housing Payment (RHP) to the LFUCG Project Manager for approval. These agents will continue working with the relocated property owners until they are fully established at their new location.



Sign or Sue Date: The Sign or Sue Date will be established at the Project Meeting; the Palmer Right-of-Way Team will attempt to have all property owners signed or property submitted for condemnation by the LFUCG-established Sign or Sue Date.

THE PALMER TEAM--RIGHT-OF-WAY EXPERIENCE FOR SUCCESSFUL PROJECT DELIVERY

Keith McDonald has over 33 years of experience leading the Right-of-Way activities for appraisals, acquisitions, relocations, and property management experience under the laws of eminent domain. As the former Director of the KYTC Division of Right of Way and Utilities, he worked closely with the 12 KYTC Districts' Right of Way and Utility Section supervisors to help facilitate the KYTC awards of more than \$5 billion in construction projects. Keith also led the implementation of sweeping changes to the KYTC Right-of-Way program, allowing for the advanced acquisition of real property through the MAP-21 changes to 23 USC Section 108 while implementing innovative methods for streamlining the right-of-way process on many Palmer assignments.

Mary Beth Johnson joined Palmer Engineering in January 2022. She retired from KYTC in 2016 as the Relocation Assistance/Property Management Branch Manager, where she provided oversight and guidance for relocation and property management activities statewide. Mary Beth will



assist Keith with managing the work assignments and will lead relocation assistance activities to ensure work is being completed accurately and that deadlines are met. She is qualified by KYTC as a Project Manager, Level III Buyer, and Level III Relocation Agent.

Tim Flynn has over 37 years of experience completing the purchase of right-of-way parcels in compliance with State and Federal laws, regulations, and policies. He will lead the acquisition activities to ensure that work is completed accurately and deadlines are met. While with KYTC, Tim also prepared the Right-of-Way Project Reports and cost estimates, performed appraisal reviews on staff and fee appraisals, and managed all Right-of-Way certifications and requests for the District. He also served as President and Supervisor Appraiser for Flynn Appraisal Service for 13 years.

Ralph Rhemann and **Debra Rhemann** of R&D Enterprises, Inc., have teamed with Palmer on prior projects and have committed exclusively to the Palmer Right-of-Way Team as independent agents. Mr. and Mrs. Rhemann are pre-qualified with KYTC for right-of-way acquisition/negotiation. With more than 17 years of experience in abstracting title for property, oil and gas interests, right-of-way acquisitions, relocation assistance, and ROW real estate closings for City and State government agencies in Kentucky and Tennessee, they bring significant expertise and understanding of the guidelines required by FHWA 49 CFR Part 24.

They have recently acquired 11 properties and relocated 5 residences as part of the KY 90 Spot Improvements in Cumberland County; they also managed the 8 relocations associated with the West Kentucky Management building for KY 348 in Marshall County. They have also worked on Marion Branch Road in Pike County, KY 237 in Boone County, and US 62 in McCracken County, KY; These three projects were Palmer Engineering projects.

Palmer Engineering will also use **Allen Arnold** and **Julie Boggess** independent Level III right-of-way acquisition and relocation agents with multiple district and statewide experiences, as well as **Chelsea DeWitt, PE**, a Level I acquisition agent and a relocation trainee. These employees have experience acquiring property for KYTC and Local Public Agencies, including Lexington-Fayette Urban County Government, the City of Henderson, Northern Kentucky Sewer District, the City of Winchester, Madison County, and Franklin County Sewer.

David Lindeman, PE, PLS, will serve as Principal-in-Charge for this contract, as he has for all previous KYTC Statewide Right-of-Way contracts. He will allocate the staff and resources to ensure that regardless of the work and size of the project, the assignment will be a top priority and will be completed on time.

Kevin Damron, PE, former KYTC Deputy State Highway Engineer for Project Development and Pre-construction Branch Manager in District 12--Pikeville, understands the importance of employing innovative project approaches to streamline property acquisition and expedite project delivery. Kevin's project management experience brings a valuable QA/QC contribution to the Palmer Right-of-Way Team.

QUALITY OF WORK

Palmer Engineering has an exemplary record for on-time completion of projects, particularly those with challenging project issues. Perhaps the best evidence of Palmer Engineering's work quality and the character, integrity, and judgment embodied in the firm's reputation is that more than 90% of new contracts entered are with previous clients or referrals. Palmer mandates a total team effort in meeting client deadlines, emphasizing doing it right the first time, on time. We have engaged multiple independent right-of-way acquisition and relocation agents with many years of experience on highway or other public works projects. We

will allocate the necessary staffing to meet and exceed the expectations of LFUCG ROW Supervisors.

CONSULTANT'S OFFICES WHERE WORK WILL BE PERFORMED

Palmer Engineering is ideally positioned to provide Right-of-Way Services throughout Fayette County from our headquarters in Winchester and Lexington Branch offices.

Reasons to Select the Palmer Team

The Palmer Team is the ideal firm to provide Right-of-Way Services for the following reasons:

- An Experienced Team with unmatched Senior Leadership and Technical Expertise
- A ROW Project Manager with significant KYTC project experience and with available capacity to devote to each assigned right-of-way project
- Palmer Engineering staff employees with diverse KYTC and local government ROW Project Management, Appraising, Acquisition, and Relocation Assistance experience
- The capability to address projects of any size
- The proven ability to fast-track projects to meet our clients' needs
- Innovative approaches to keeping projects on schedule and personnel that they can count on Palmer Engineering

We appreciate your consideration of this proposal and look forward to its selection and the opportunity to continue our partnership with the LFUCG Division of Engineering.



RFP #41-2024 - Indefinite Services Contract

Construction Inspection Services

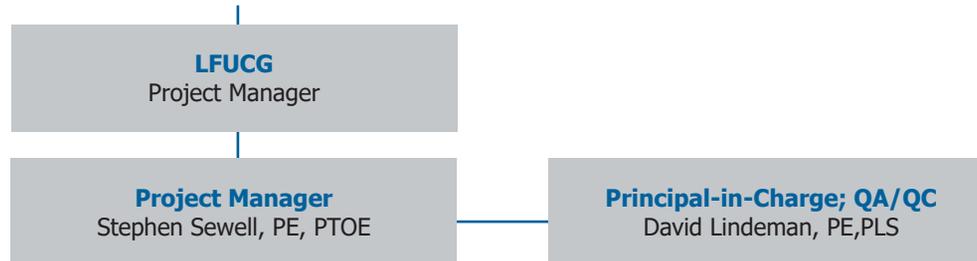




LEXINGTON

Project Team Organizational Chart

RFP#41-2024 - Indefinite Services Contract for Division of Engineering



Right-of-Way Lead
Keith McDonald

Right-of-Way Project Managers
Keith McDonald
Mary Beth Johnson

Acquisition Level III
Tim Flynn
Mary Beth Johnson
Keith McDonald
Ralph Rhemann
Debra Rhemann
Julie Boggess
Chelsea DeWitt, PE*

Relocation - Level III Agent
Keith McDonald
Mary Beth Johnson
Chelsea DeWitt, PE*

Appraisal
Matthew Chapman
Dustin Markwell
Thruston Freeman

*Level I Agent

Roadway Design
Travis Mullins, PE, CPESC
Joshua Samples, PE
David Lanham, PE
Josh Coburn, PE, PTOE, RSP1

Planning
Will Conkin, PE, PTOE, PMP
Joshua Samples, PE
Josh Coburn, PE, PTOE, RSP1

Bike/Ped Design
Travis Mullins, PE, CPESC
Josh Coburn, PE, PTOE, RSP1
Stephanie Blain, PE, LEED AP

Drainage Design
Jeff Cowan, PE
David Lanham, PE
Rick Storm, PE (BA)

Lighting/Signals/Traffic
Chris Mischel, PE, LEED AP, CPESC
Ryan Steffen, PE, RSP1
Josh Coburn, PE, PTOE, RSP1

Environmental
David Waldner, PE (Document)
Chris Blevins (Air & Noise)
Robert Oney (Aquatic/Terrestrial)
Richard Herndon, RPA (Archaeology/UST) (Metric)
Karen Garrard, RPA, RPA (Archaeology/UST) (Metric)
Janie Rice Brother (Historic)
Amber Stimpson (Historic)

Structure Design
David Deitz, PE, PhD
Brad Robson, PE, PhD
Ryan Damon, PE

Grant Assistance
Stephen Sewell, PE, PTOE
David Lindeman, PE, PTOE
Will Conkin, PE, PTOE, PMP

Land Surveying/Boundary
Craig Palmer, PLS
James Mayo, PLS
Thomas Monin, PLS (BA)

Pavement Design
Gary Sharpe, PE, PLS
Ben Hacker, EIT

Utility Coordination
Stephanie Blain, PE, LEED AP
George Garza
Erin Remley, EIT

Landscape (Element)
Ramona Fry, RLA
Billie Motsch, RLA
David White, RLA

Geotechnical (APS Geo)
Bill Basich, PE (Engineering)
Justin Anderson (Engineering)
Lyndsie Janbakhsh, PE (Laboratory)
Ryan Johnson (Drilling)

Construction Administration Resident Engineer
Matt Arlinghaus, PE
Zach Reichert, PE

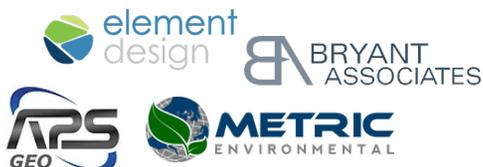
Lead Inspector
Neil Allen
George Garza
Ethan Fielder
Matt Hutchinson
Sydney King

Utility Inspector
Zach Reichert, PE
Stephanie Blain, PE, LEED AP
Howard Weeks (BA)

Grade and Drain Inspector
Neil Allen
George Garza
Ethan Fielder
Matt Hutchinson
Sydney King

Paving Inspector
Neil Allen
Matt Hutchinson
Howard Weeks (BA)

As Builts
Craig Palmer, PLS
Jody Barker, PLS
Will Graves, EIT





Matthew Arlinghaus, PE Resident Engineer



Experience
23 years

Education
University of Kentucky
BS, Civil Engineering, 2001

Registrations:
PE--KY-24256-2005;
1 other state

Matt joined **Palmer Engineering** in October 2019 as a Project Manager in Palmer's Northern KY office. He manages Construction Engineering Services on Palmer projects. Project experience includes:

Cincinnati/Northern Kentucky International Airport (CVG)--Ted Bushleman Blvd. Improvements for the Kenton County Airport Board (KCAB) - Construction Manager for an LPA project that includes widening 0.65-mile of the existing rural roadway to a five-lane urban section between Houston Road and Aero Parkway. Supervise construction activity by contractors and inspection activity of Palmer employees and sub-consultants for testing and sampling; Prepare bid documents and evaluate bids to recommend award; Coordinate utility relocations within the construction contract; Review and submit pay requests and change orders to CVG and KYTC; Ensure compliance with CVG and KYTC specifications through daily on-site observation; project was awarded for \$2,149,903.65, completed in October 2022, and scheduled for final inspection.



Cincinnati/Northern Kentucky International Airport (CVG)—Loomis Road Rehabilitation for the Kenton County Airport Board (KCAB) - Provided Construction Administration for final design of a 0.25 mile pavement rehabilitation project. The project included construction plans, specifications, and bid documents. Specifications and special notes were developed for repairing the pavement base failures, as well as bid documentation for an alternate bid for additional paving. The project was accelerated and delivered to bid in 63 days from assignment to meet the opening of the new Consolidated Rental Car Facility (CONRAC). The project was designed to eliminate utility impacts in order to meet schedule and budget.

I-75--Pavement Rehabilitation, Grant County, KY for KYTC, District 6 - Branch Manager for Project Delivery and Preservation; Worked with the Williamstown Section Engineer and the Pavement Design personnel in Frankfort to design a pavement rehabilitation project on I-75 between mile 152 and mile 158. This project was completed at a cost of approximately \$11,000,000 and removed/replaced 7.5 inches of base and surface asphalt in addition to small improvements in drainage, signs, and slope stability to enhance safety.

Bromley--Main Street Sidewalk Improvements, Kenton County, KY for the City of Bromley - Construction Administration and Inspection Supervisor; Confer with city officials to compile a bid package for lighting conduit and sidewalk through an LPA agreement with KYTC using a state funded grant. Coordinate with utilities to clear lines and poles that conflict with the project. The project initially included several retaining walls that did not fall within budgetary constraints and were removed after bids were received above project budget. Manage and coordinate construction inspections activity to ensure compliance with project design and specifications. Periodic reports and observation with approval of pay estimates submitted by the contractor, Paul Michels and Sons Inc. Project consists of construction of new sidewalk, reconstruction of existing sidewalk to meet ADA standards and installation of conduit for a future lighting project by Duke Energy. Project was completed in September 2021. Palmer was the prime consultant.

Construction Training Registrations/Certifications include:

Asphalt Paving Best Practices
Grade and Drain--Level I
ACI Concrete Field Testing Technician--Grade I
KYTC Work Zone Traffic Control Supervisor Qualification
KEPSC Roadway Inspector Course
KY Aggregate Sampling Technician

US DOT- IATA HazMat Certification
Nuclear Gauge Safety
OSHA Training
Construction Radiation Safety Training
Basic Work Zone Traffic Control and Flagger Qualification

KYTC Construction Management Academy
KYTC Traffic Management Plan Training





Neil Allen Lead Inspector



Experience
20+ years

Education
Morehead State University
BS, Industrial Technology
(Construction Mgmt/Mining); 2001

Registrations:
None

Neil joined **Palmer Engineering** in June 2023 as a Construction Inspector. He brings 20 years of construction inspection experience to the Palmer Team from having been a Senior Asphalt Inspector, Senior Construction Inspector, and Construction Engineer Technician II for other firms and for KYTC District 9--Flemingsburg Section Office. Project experience includes:

Ashland Community and Technical College, Boyd County, KY for L. E. Gregg Associates - Senior Construction Inspector for observation of Dynamic Compaction for Heavy Equipment School at the college.

KY Statewide Construction Engineering and Inspection (CE&I) 23-24 for KYTC - Lead Paving Inspector on the I-75 rehabilitation within the INFRA project. Also actively involved with the inspection of utilities during relocation early in the project.

Engineer Technician II PD & P (Construction) on Crew 300 for KYTC District 9 - Engineering Technician for inspection of roadways, sub-grade, asphalt, bridges, and grading operations. Material testing (Soil, concrete, asphalt) Interpretation and compliance of Engineered Plans and KY Specifications. Constant communication with Engineers, Contractors, Owners, and the general public. Inspection and certification of sediment and erosion control practices in accordance with the 1977 Clean Water Act and Kentucky Division of Water specifications. Inspection for all aspects of the construction process (new and rehab projects) from start to finish within the District 9 area. Review construction documents, proposals, as-built, and payouts. Assist Engineers with surveying of right-of-ways, utility locations, new construction, rehab of existing construction, and grade verification. Performed other duties as assigned by Section Supervisor and Project Engineer.

Senior Technician, Lexington, KY for L.E. Gregg Associates - Performed Reinforcing Steel Inspection, DCP Testing, Concrete Testing, Masonry Inspection-Testing, BMP Inspections, Compaction Testing-Density. Blueprint reading. (Roadways/Structures) and Positive Drainage Verification. Construction Monitoring. Test Pits. Concrete Core Drilling. Shot Rock Fill Monitoring. Adhere to KBC, IBC, ACI, and ASTM standards. Constant contact with Engineers, Contractors, Clients, Inspectors, and Owners. Rolled Compacted Concrete (RCC) sampling and testing. (NRCS – Project / Fox Valley Dam Reconstruction).

US 23X – Winchester Avenue, Boyd County, City of Ashland - Construction Inspector, photographing and recording all construction work done on site for the project to re-construct curb and sidewalks, remove existing signals, install mini-roundabouts, and install upgraded lighting and plantings. Overseeing that the work is being done as designed and communicating between contractors, the city and the engineers.

Construction Training Registrations/Certifications include:

ACI Concrete Field Testing Technician Grade 1
Geosynthetics Certification - Waste Containment / Application
Geosynthetics Certification – Heavy Highway Use / Application
Hazmat Nuclear Density Certification
Confined Space Training
Grade and Drain Level II
Asphalt Technician II
Aggregate Sampling Technician
Grading Technician Level II

Post Installation Pipe Inspection Course
KEPSC – Roadway Inspectors
Work Zone Traffic Control Technician
Site Manager





Zach Reichert, PE

Assistant Resident Engineer; Utility Inspection



Experience
8 years

Education
University of Louisville
BS, Civil / Environmental Engineering,
2016

Registrations:
PE--KY 35985-2020

Zach joined **Palmer Engineering** in October 2019 after working at KYTC District 6 for five years. Project experience includes:

I-275 Pavement Rehabilitation, Boone County, KY for KYTC - Managed and supervised the \$30,000,000 existing full-depth concrete tear-out and asphalt-rebuild of entire roadway including four travel lanes and shoulders. This project included multiple exit ramps to I-75 as well as US-25. Worked as project manager overseeing four inspectors and coordinating with prime contractor and many subcontractors to maintain strict timeline.



I-75 Auxiliary Lane, Boone County, KY for KYTC - Project Manager for beginning phases of \$30,000,000 auxiliary lane construction on Northbound I-75. To facilitate the new auxiliary lanes, several culverts were extended along with extensive earthwork being performed. Oversaw three inspectors as well as worked with contractors to keep the project on pace; Responsible for all inspector reports and contract payments.

Cincinnati/Northern Kentucky International Airport (CVG)--Loomis Road Rehab - Oversaw all aspects of construction administration for the project. The project included pavement rehab of existing roadway, installing curb and gutter, and updating existing lighting. Construction administration on this project includes tracking bid items, quantities, and material testing for all items on the project. Worked with contractors on pay apps for processing of payment of prime and sub- contractors.

Cincinnati/Northern Kentucky International Airport (CVG)--Economy Parking Lot Rehabilitation—Construction Administration/Inspection, Boone County, KY for Kenton County Airport Board - Project Engineer; Inspected all aspects of construction as well as coordinated all construction administration from project design through construction completion. Developed bid items and quantities for bidding estimation of asphalt crack sealing, asphalt seal coating, and base failure repair. The project evolved based on the uncovered pavement conditions and assisted project manager with improvement strategies. Developed and tracked contract modifications and approved pay apps.

KYTC District 6 Materials Engineering Technician for KYTC - Assisted District 6 Materials Engineer with duties including construction materials sampling, testing, and data input for all District 6 construction projects. Testing included asphalt density testing, concrete cylinder compressive testing, one point proctor test of soil, and wet sieve analysis. Data input responsibilities included reviewing post-construction sample checklists of construction projects to determine final payment or non-payment to contractors based on the passing or failing of construction material samples according to KYTC Specifications.

Construction Training Registrations/Certifications include:

- | | | |
|-------------------------------|--|--------------------------------------|
| ACI Level 1 | HazMat Certification | Work Zone Traffic Control Technician |
| Aggregate Sampling Technician | Nuclear Gauge Safety | Work Zone Traffic Control Supervisor |
| Aggregate Technician | OSHA Training | |
| Asphalt Field Technician | Pavement Marking Inspection Technician | |
| Grade and Drain Level 1 | Structures Level 1 | |
| Grading Technician Level 1 | Superpave Mix Design Technologist | |



George Garza

Construction Inspector



Experience
30+ years



Education

South Louisiana Vo-Tech Institute
Diploma--Drafting and Design Technology;
Computer Aided Drafting, 1989

Registrations
None

George joined **Palmer Engineering** in July 2023. He is responsible for contacting and coordinating with all utility companies that affect specific projects awarded to Palmer Engineering to spearhead those duties throughout Kentucky. George develops working lines of communications with each utility company involved, establishes timelines, and highlights potential conflicts that may impact each company's design stages prior to letting dates for beginning construction. Project experience includes:

Wathen Lane Roadway Improvements and Utility Relocations, Henderson County, KY for City of Henderson - The project involves construction of a two-lane typical roadway section, which includes two 11-foot lanes and 8-foot-wide multi-use path on the west side from US 60 to the City limits. The roadway improvements span approximately 1.4 miles and upgrade the existing rural section to an urban facility with bicycle and pedestrian facilities. Responsible for daily construction inspection and being the point of contact between the Contractor and the City. Oversaw installation of roadway improvements, drainage infrastructure and utility relocations, including 6,500 linear feet of 8" water main replacement and 5,800 linear feet of 4" gas main replacement.

Fort Boone Pump Station and Force Main, Frankfort, KY for Frankfort Sewer Department - Project Utility Coordinator and Construction Administrator; Performed on-site field inspection, maintain as-built records of any variations from proposed design drawings. Maintain and supply daily record logs and reports of material and contractor equipment used and submit for Client review and approval. The project included approximately 1,200 LF of new 8" sanitary force main within existing streets, multiple utility conflict mitigation, and decommissioning/demolition of existing pump station.

Ethan Fielder

Construction Inspector



Experience
2+ years



Education

Eastern Kentucky University
Current Student

Registrations
None

Ethan joined **Palmer Engineering** in September 2019 as a technician and became a full-time employee in August of 2022. He has his Grade & Drain Level 1 certificate and KEPSC for Roadway Inspectors certificate. He is currently taking classes for Work Zone Traffic Control Technician and Supervisor. Project experience includes:

EKU Sidewalk, Madison County, KY - Construction Inspector, photographing and recording all construction work done on site. Overseeing that the work is being done as designed and communicating between contractors, the city and the engineers.

Wathen Lane, Henderson County, City of Henderson - Construction Inspector, photographing and recording all construction work done on site for the project to construct curb and multi-use path, relocate existing waterline and other minor utilities, minor road widening and improvements and resurfacing.. Overseeing that the work is being done as designed and communicating between contractors, the city and the engineers.

US 23X – Winchester Avenue, Boyd County, City of Ashland - Construction Inspector, photographing and recording all construction work done on site for the project to re-construct curb and sidewalks, remove existing signals, install mini-roundabouts, and install upgraded lighting and plantings. Overseeing that the work is being done as designed and communicating between contractors, the city and the engineers.



Matt Hutchinson

Construction Inspector



Experience
1 years



Education
Community Christian Academy,
Independence, KY
Diploma, 2019

Registrations
None

Matt joined **Palmer Engineering** in September 2023. Project experience includes:

Madison Avenue, Kenton County, KY for the City of Covington - Inspector; Provide daily observation of construction activities for the project to re-construct curb and sidewalks, relocate utilities underground, resurface the roadway, provide new tree planting and install improved traffic signals. Daily reports, material testing and coordination with contractor, city and utility companies.

Seventh Street, Kenton County, KY for the City of Covington - Inspector; Provide daily observation of construction activities for the project to re-construct curb and sidewalks, relocate utilities underground, resurface the roadway, provide new tree planting and install improved traffic signals. Daily reports, material testing and coordination with contractor, city and utility companies.

US 23X--Winchester Avenue, Boyd County, KY for the City of Ashland - Assist primary inspector with daily observation of construction activities for the project to install 5 mini-roundabouts, re-construct curb and sidewalk, new tree planting, removal of existing traffic signals and partial resurfacing of the roadway. Provide daily reports, materials testing, coordination with contractor, and photo documentation.

Wendell H. Ford Boulevard, Boone County, KY for the Kenton County Airport Board (KCAB) - Inspector; Assist project engineer with periodic observation of construction activity to install a new high-intensity activated crosswalk (HAWK) signal for pedestrians on Wendell H. Ford Boulevard. Review installation of new sidewalk, bus stop, and signal installation. Project completed in December 2023.

Construction Training Registrations/Certifications include:

Aggregate Sampling Technician
Work Zone Traffic Control Technician Supervisor Qualification Course
Basic Work Zone and Flagger Qualification Course
KEPSC for Roadway Inspectors; Qualification Course
Construction of Concrete
Nuclear Gauge Safety
US DOT- IATA HazMat Certification

Sydney King

Construction Inspector



Experience
5 years



Education
University of Cincinnati
BS, Civil Engineering, 2021

Registrations
None

Sydney joined **Palmer Engineering** in October 2021 as an Engineering Intern in Palmer's Cincinnati, OH office. She is a designer and technician assisting with the preparation of transportation infrastructure improvement plans including major interstate reconstruction projects. Sydney is also an inspection team member for Palmer Engineering's role in the maintenance and monitoring of the Mt. Adams Slope Stabilization structure in Cincinnati. Project experience with Palmer and with previous employers includes:

Mount Adams Retaining Wall--Annual Inspection of the Interior and Exterior Wall, Cincinnati, OH for ODOT - Construction Inspector; Provided inspection of the interior tunnel, tendons and caps. Checked specific quantities and standards set by ODOT to maintain structural integrity. Inspection of the exterior included checking upper caps and tendons and sounding the original concrete structure.

I-71S and SR 562--On-Ramp Bridge, Cincinnati, OH for ODOT - Construction Inspector for partial-depth concrete repairs, sounding of the existing concrete deck, and creation of a test beam. Maintained specific standards related to fiber-reinforced concrete. This project was performed with a previous employer.

SR 50--Pavement Resurfacing, Cincinnati, OH for ODOT--District 8 - Construction Inspector; Coordinated construction inspection activity to ensure compliance with project design and specifications for milled and resurfaced asphalt, and installation of detector loops. Prepared daily reports and handled on-site issues. This project was performed with a previous employer.

Construction Training Registrations/Certifications include:

Highway Structural Inspection I
Aggregate Sampling Technician
Work Zone Traffic Control Technician--T23040233



Brian Ward, PE, PLS

Utility Coordination



Experience
28 years



Education
University of Kentucky
BS, Civil Engineering, 1997

Registrations
PE--KY-22627-2002; and 2 other states
PLS--KY-3899-2009

Brian joined **Palmer Engineering** in 1998 and was named a principal and vice president in 2016; He serves as Palmer's Site Development Manager; project experience includes:

Graves Road Roadway Improvements Utility Coordination and Design, Boone County, Kentucky for KYTC - Utility Relocation Engineer for water, sanitary, and underground electric/telecommunications line relocations as required for the Design-Build project. Palmer Engineering was responsible for coordination and facilities design for 7 utilities. Water line relocations included approximately 2,000 LF of 16-inch, 2,300 LF of 12-inch, and 2,300 LF of 8-inch.

KY 4--New Circle Road Sanitary Sewer Replacement, Lexington, KY for LFUCG - Principal-in-Charge (since 2016) for coordination, design, and construction oversight of the relocation of the existing trunk sewer impacted by the widening of New Circle Road. The project required the relocation of a force main and multiple sizes of gravity sewer including approximately 30 manholes and sections of RMP projects--New Circle Road Trunk A, Cane Run Trunk Sewer, and Lexmark Trunk A. The project included a 42" bore and jack roadway crossing under New Circle Road, utility coordination, construction administration, and acquisition of permanent easements.

Eugene Gay Splash Park, Winchester, KY for City of Winchester - Principal-In-Charge and Design Engineer for a new 3500 square feet recirculating Splash Park. The Splash Park includes a restroom/concession/mechanical facility, pavilion, and splash pad. The project includes: survey, platting, conceptual layout, funding coordination, two- phase design, permitting, bidding, and construction administration.

Stephanie Blain, PE, LEED AP

Utility Coordination



Experience
18 years



Education
University of Kentucky
BS, Civil Engineering, 2007

Registrations
PE--KY-28304-2011; LEED AP--2009

Stephanie joined **Palmer Engineering** in 2006. She serves as Project Manager on various roadway, site development, and municipal design projects. Stephanie is involved in projects from the preliminary planning aspects through construction completion, performing all aspects of design, permitting, coordination, and acquisition. She was named the 2021 National Young Engineer of the Year. Project experience includes:

Cincinnati/Northern Kentucky International Airport (CVG)—Loomis Road Design and Construction Administration, for the Kenton County Airport Board (KCAB) - Task Manager for final design of a 0.25-mile pavement rehabilitation project. The project included construction plans, specifications, and bid documents. Curb and gutter and new lighting for the corridor were included in the project, as well as coordination of rental car facility entrance closures.

CVG--Ground Transportation Center Projects for CVG, Hebron - Civil Engineer for the preparation of civil engineering drawings for this design/build project of several improvements to the ground transportation center area including a taxi drop off area, a limo parking lot, taxi bullpen area, and infrastructure improvements including new roadways and fencing. The project also included exterior site lighting design to all areas where improvements were made to relocate existing light poles and also provide site lighting for the new 2.5 acre taxi bullpen parking lot.

CVG--ValuPark and Employee Parking Lot, for the Kenton County Airport Board (KCAB) - Project Engineer to alleviate operational parking issues at the Employee Parking Lot by relocating employee parking to the long-term ValuPark Parking Lot. Responsible developing concepts, preparing final design plans for the project, and calculating quantities.



David Lindeman, PE, PLS

Principal-in-Charge; QA/QC



Experience
36 years

Education
University of Kentucky
BS, Civil Engineering, 1986

Registrations
PE--KY-16712-1991; 13 other states
PLS--KY-3284-1995



David joined **Palmer Engineering** in 1986. He has served as a Principal, Vice President, Director of Transportation, and became President and CEO in 2010. David has been involved in complex and challenging roadway design projects for much of his 36-year career. He is Palmer's Principal over the roadway design, right of way, environmental, aviation, construction engineering, and survey sections. Project experience includes:

Graves Road/I-275 Interchange--Design-Build, Boone County, KY for KYTC

- Palmer Principal-in-Charge for design of a new interchange that will divert approximately 25,000 vehicles per day from the KY-237 interchange area and improve operational and safety characteristics at that location. Existing Graves Road will be widened to accommodate the diverted traffic and will serve as an alternative access to industrial areas and provide direct access to residential areas along the route. Right-of-way acquisitions included 67 parcels, with 60 parcels requiring appraisals, and 10 parcels requiring relocation.

I-64/I-75 Common Route, Fayette County, KY for KYTC - Project Advisor for Agency Coordination for the 6.6-mile project to reduce congestion on the combined interstate route around Lexington, KY from the southern split (MP 111) to the northern split (MP 118). The project will add an additional through lane in each direction to the current typical section. Assessing traffic safety and operational aspects through the interchanges are critical elements to developing innovative, realistic design concepts and implementing the best-value alternative.

I-264/US 42, Interchange, Jefferson County, KY for KYTC - Principal-in-Charge for interchange planning study, Phase I Survey and Design, and Phase II Design to determine approach for reconstructing the interchange and to evaluate potential corridor and interchange improvements.

Stephen Sewell, PE, PTOE

QA/QC, Scheduling



Experience
25 years

Education
University of Kentucky
BS, Civil Engineering, 2000

Registrations
PE--KY-24030-2004 and 5 other states
PTOE--National-2215-2007



Stephen joined **Palmer Engineering** in 1999 and was named a principal and vice president in 2016. He is considered an expert in traffic modeling, analyzing traffic flow, and developing solutions to enhance roadway geometry; he has developed a reputation for quick responsiveness on projects with limited funding and those with accelerated or tight schedules. Project experience includes:

Wathen Lane, Henderson County, KY for KYTC - Project Manager for the design and development of plans for 1.4 miles of rural, 2-lane roadway facility, including the addition of sidewalk with curb and gutter. The project includes preparation of an environmental document and acquisition of right of way for the relocation of utilities and construction of the project. The project required meeting with property owners multiple times and providing detailed drainage analysis so flooding was not increased.

North Green River Road, Henderson County, KY for City of Henderson and KYTC - Project Manager for 0.6 mile of pavement rehabilitation and roadway widening to include curb and gutter and a multi-use path. Pavement rehabilitation design was critical in plan development because of trucks using the route to haul waste material to the landfill. Developed roadway and right-of-way plans and coordinated utility relocations. Assisted the City of Henderson in acquiring Right of Way and Easements. Developed bid documents for a construction letting, and provided monthly progress meetings on site.

CR 1127--Straight Fork Road, Lewis County, KY for KYTC / Lewis County Fiscal Court - Project Manager for survey and rural roadway improvements for 1.0 mile of CR 1127 and .5 mile of KY 59. Final Plans for the project were completed in five months including the replacement of a WPA Culvert under KY 59. Each alternative minimized earthwork and right-of-way impacts to fit the project within the allotted funding. Project involved two culverts and utility coordination of a high-pressure gas transmission line. Construction Inspection services were provided during the construction phase, along with coordination with KYTC District 9.



Craig Palmer, PLS

Surveying/As Builts



Experience
34 years



Education
Anderson University
BA, Theology and Sociology, 1988

Registrations
PLS--KY-3599-2001

Craig joined **Palmer Engineering** in 1988 and was named Manager of the Survey Branch in 2005. Project experience includes:

I-264/US 42, Jefferson County, KY for KYTC - Survey Supervisor and Party Chief for the survey for reconstruction of the US 42 interchange with I-264. An extensive area of recent construction was scanned along I-264, I-71, and US 42 for as-built plans and to update aerial LIDAR mapping; Project also included location of all property lines and utilities.

KY 61 / KY 90--Bridge Rehabilitation over Cumberland River, Cumberland County, KY for KYTC - Surveyor and Supervisor for scanning the two bridges spanning 3,700 feet and an additional 4,000 feet of pavement and ditches. Also responsible for compiling CADD drawings from Point Cloud Data. Responsible for Data Package for Survey Control.

Current KYTC Statewide Survey Contract for KYTC - Survey Party Chief for surveying services performed under Letter Agreements. Services include Mobile LiDAR mapping with ORD, Subsurface Utility Engineering (SUE) and vacuum excavations, right-of-way and easement staking, and Ground Penetrating Radar (GPR) services. The following Letter Agreements have been awarded:

LA 1--Green and Taylor Counties--US 68--Mapping w/Mobile LiDAR--8.1 miles

LA 2--Jefferson County--Chenoweth Lane--Staking/GPR; SUE/Vacuum Excavations for 34 locations

LA 3--Carter County--KY 1--SUE/Vacuum Excavations; Staking; GPR

LA 4--Madison County--KY 52--Right-of-Way and Easement Staking

LA 5--Fayette County--US 27--SUE/Vacuum Excavations for 15 locations; GPR

Will Graves, EIT

As Builts



Experience
> 1 year



Education
University of Kentucky
BS, Civil Engineering, 2023

Registrations
EIT--KY

Will joined **Palmer Engineering** in November 2023. His focus is the newest generation of surveying technology, including: static, mobile and UAV lidar data collection and processing. Working under the direct supervision of licensed surveyors, performed boundary and topographic surveys using GNSS systems, robotic total stations, and static lidar scanners. Prepared deed descriptions for utility easements and plats for land annexations. Work performed includes all data collection and post processing. Project experience includes:

Bert T Combs Mountain Parkway Expansion, Magoffin and Floyd Counties, KY - Survey Technician for the design build collaboration expanding the high-speed divided highway joining parts of rural Eastern KY to Central KY. The total length of this project is 13 miles. Project roles and responsibility's have included setting primary and secondary control as well as setting bore hole locations for drilling teams. Topographic surveying of drainage structures and surveying of adjoining properties has been key in the early stages of this project's success.

Topographic and Boundary Surveys in Clark, Fayette, Madison and Montgomery Counties, KY for Various Clients - Survey Technician for projects that have included boundary divisions, deed research, utility locates and more.





Cincinnati/Northern KY International Airport (CVG) Ted Bushelman Blvd. CEI Services, Boone County, KY

Project Managers

Chris Mischel, PE, CPESC, LEED AP
Will Conkin, PE, PTOE, PMP

Common Team Members

Matt Arlinghaus, PE
Zach Reichert, PE

Agency

Kenton County Airport Board (KCAB)
Corey Thomas
859-413-8726

Construction Cost

\$2,149,903.65

Dates

2017-Present

Project Elements

Construction Administration /
Inspection
Construction Plans
Estimating
Constructibility Reviews
Pavement Analysis / Rehabilitation
Plan Preparation
Civil / Site Design
Survey
Drainage Design
Structural Design
Electrical Details and Schematic Plans
Lighting Layout
Voltage Drop Calculations
Permitting
Utility Impact Mitigation

Project Description

In 2019, Palmer was assigned construction engineering and inspection activity by CVG for improvements and widening of KY 3159 from two lanes to four lanes. The roadway connects Houston Road (KY 842) and Aero Parkway (KY 1017) and serves various commercial and industrial properties in the project area.

The project involves adding an additional lane in each direction to Ted Bushelman Blvd. and creating a center, two-way left-turn for a portion of the roadway. An RCUT was designed to manage traffic due to left turn restrictions near Houston Road. An existing shared-use path provided along the corridor will be reconstructed as a 10 foot concrete sidewalk as part of the project. The total project length is approximately 0.61 miles, from Aero Parkway (KY 1017) to Houston Road (KY 842). Services include:



- Coordination with CVG, KYTC, City of Florence, FHWA, and other agencies, as necessary
- Preparation of all final design and engineering components including Preliminary Engineering and Final Roadway Design--the preparation of preliminary line and grade plans, drainage design, right-of-way plans, construction plans, traffic control plans, cost estimates, and advanced situation plan for structural design of culvert extension--final construction plans
- Consideration of bicycle facilities where appropriate
- Preparation of support drawings to facilitate submittal of the Categorical Exclusion Environmental Document, if needed
- Construction Administration, including assistance with preparation of bid documents, and construction inspection with material sampling and testing. Palmer provided inspection, daily work reports, drafting and submittal of change orders, review and submittal of pay estimates, coordination of utility relocation, coordination with CVG lease holders and construction impact, ensuring all construction activity complied with CVG and KYTC specifications. Coordination of lab testing of materials occurred with Terracon, Inc. and KYTC District and Central Office Labs. Updates and communication were maintained with KYTC Permits staff as well as with CVG personnel.





CR 1127, Straight Fork Road Lewis County, KY

Project Manager

Stephen Sewell, PE, PTOE

Team Members

Stephen Sewell, PE, PTOE

Gary Sharpe, PE, PLS

Kelly Whittington, PLS

Agency/Client Contact

Todd Ruckel

Lewis County Judge-Executive

606-796-2722

Darrin Eldridge, KYTC, District 9

606-845-2551

Joe Callahan, KYTC, District 9

LPA Coordinator

Dates

2012-2013

Project Elements

Utility Coordination

Construction Administration

Project Description

Straight Fork Road was plagued with sliding problems for many years, which required the Lewis County Fiscal Court to spend maintenance funds each year to patch and provide stabilization. Preliminary studies identified alternatives that shifted the roadway into the hillside along with relocating the roadway.

As part of Phase 1 design, Palmer Engineering developed various alternative routes before selecting an alignment that closely followed the existing terrain. Palmer provided Lewis County Fiscal Court with survey and rural roadway improvements for 1.0 mile of rural Straight Fork Road (CR 1127) and .5 miles of KY 59. Final plans for the project were completed within five months.

The Palmer Team managed the right-of-way acquisition for the Lewis County Fiscal Court and assisted the County Attorney in title research. As part of the preliminary design, Stephen Sewell and members of the Palmer Team met with each property owner five or six times to present alternatives and discuss private property impacts. By engaging the property owners throughout the design process, the Palmer Team was able to accommodate the concerns of the property owners and acquire all 8 parcels in less than 30 days following the offers. This unique approach to buying right of way while giving the property owners voice in the design was well received by the landowners and to an even greater extent by the client, the Lewis County Fiscal Court.

The Palmer Team provided all geotechnical and environmental services, including permits and an MOA for Gray Bat habitat removal. The Palmer Team also coordinated with the gas transmission company and designed the crossing of the 3 transmission lines so that encasement and concrete cap was eliminated. Coordination with other utility companies enabled all utilities to be relocated prior to the construction letting. Palmer coordinated with the local water company, designed the waterline relocation plans, and inspected the relocation of the waterline. Palmer also coordinated with Mason-Fleming Energy and Time Warner Cable for relocating the power poles and lines impacted by the project.

By streamlining the development of the project and collaborating early and continuously with utility companies and landowners, the Palmer Team designed the project, addressed all environmental permitting and habitat issues, relocated the utilities, and cleared the right of way for eight parcels within six months.





Construction Inspection

KY 3, North Green River Road, Henderson County, KY

Wathen Lane, Henderson County, KY

Madison Avenue, Kenton County, KY

Project Manager

Stephen Sewell, PE, PTOE

Team Members

Stephen Sewell, PE, PTOE

Gary Sharpe, PE, PLS

Kelly Whittington, PLS

Josh Coburn, PE, PTOE

Stephanie Blain, PE, LEED AP

David Waldner, PE

Craig Palmer, PLS

Keith McDonald

Agency

Nick Hall, KYTC District 2

270-824-7080

Buzzy Newman, City of Henderson

270-831-1200

Bill Matteoli, City of Covington

859-292-2119

Dates

2012-2014

2016-Present

2023-Present

Project Elements

Urban Roadway Design

Streetscape

Environmental Permitting

Construction Administration

LPA/KYTC Coordination

ROW Acquisition

Bike and Pedestrian Facility

Utility Coordination / Relocation

Drainage Design

Project Description

KY 3, North Green River Road, Henderson County, KY

This project begins at the intersection of Osage Drive and North Green River Road in Henderson, KY, and extends approximately one-half mile to the intersection of Woodspointe and North Green River Road. The project was performed under the KYTC LPA General Services contract and includes surveying, engineering, utility coordination, right-of-way acquisition, and construction administration.

North Green River Road serves as a local street that connects residential neighborhoods and provides access to the area landfill when the Ohio River reaches flood stages and requires road closures. The existing roadway had narrow lanes and no shoulders, which discouraged bike and pedestrian use within the residential neighborhood. Palmer Engineering developed 2 typical sections for the public to provide input at a public meeting and they supported the decision to implement a multi-use path rather than on-street bike lanes and sidewalks. The public believed this strategy provided a safer facility for the users, and the construction cost was less. The proposed project widened the existing lanes to 12 feet, installed curb and gutter, improved drainage, and provided a multi-use path in front of the residences.

Palmer Engineering provided construction administration for the project including preparing all bid documents, approving pay estimates, and final closeouts. The project was constructed within budget and was completed ahead of schedule. The City of Henderson has recently received multiple requests from neighbors to extend the multi-use path to adjacent neighborhoods.

Wathen Lane, Henderson County, KY

Palmer Engineering designed 1.4 miles of rural, 2-lane roadway facility that included deep ditches for drainage and a culvert that was replaced with a 12 X 6' precast culvert. The proposed typical section involved conversion to a curb and gutter section that included a multi-use path on one side of the road; relocating the existing waterline and other minor utilities; and minor road widening, improvements, and resurfacing. Maintenance of Traffic was developed with widening on one side.

Palmer provided construction engineering and administration to provide review and oversight of construction activities for the project. Project completion is expected in late 2024.

The project includes all construction engineering and inspection services including approving shop drawings, mix designs, payroll verifications, quantity tracking and invoice development for contractor processing. Daily inspection reports are generated that include pictures and documentation of the activities that are occurring each day.

Madison Avenue, Kenton County, KY

Palmer Engineering is providing construction management services for City of Covington to provide review and oversight of construction activities for the project to reconstruct curb and sidewalks, relocate utilities underground, resurface the roadway, provide new tree planting and install improved traffic signals.

The project includes all construction engineering and inspection services including approving shop drawings, mix designs, payroll verifications, quantity tracking and invoice development for contractor processing. Daily inspection reports are generated that include pictures and documentation of the activities that are occurring each day.





KY 15 Sidewalk Improvements Wolfe County, KY

Project Managers

Stephen Sewell, PE--Principal-in-Charge
David Lanham, PE--Design
Matt Arlinghaus, PE--Construction

Team Members

Stephen Sewell, PE, PTOE
David Lanham, PE
Matt Arlinghaus, PE

Agency / Client Contact

KYTC District 10
Jason Blackburn
606-666-8841

Construction Cost

\$1,238,669.49

Dates

2019-2021

Project Description

This sidewalk improvement project involves the design of 0.5 mile of sidewalk construction to provide safer pedestrian access along KY 15 in Campton. The project extends from the Campton Square Apartments to the KY 15 Spur intersection and includes preliminary design and final construction plans.

Improvements consist of adding an urban typical section to the north side of KY 15, reestablishing pavement crown and superelevation, and constructing storm sewer systems while minimizing right-of-way acquisitions. Innovative solutions were employed to avoid impacts to historically-significant masonry retaining walls at two locations along the corridor. The project also includes 1500 feet of sanitary sewer relocation that was necessary due to conflicts with the existing sanitary manholes and the proposed curb and gutter. This project is fast-paced due to federal funding, fiscal-year deadlines.

Palmer Engineering is also responsible for supervising construction activity to ensure compliance with project design and KYTC specifications. Activities include daily reports, construction observation, and approval of pay estimates submitted by the contractor, Frederick and May Construction Co., Inc. The project is administered through KYTC District 10 as an LPA project with Wolfe County Fiscal Court.

The project has been constructed.



Project Elements

*Construction Administration /
Observation
Bidding Services
Sidewalk Design
Utility Design
Utility Relocation
Survey
Urban Drainage Design*





Sidewalk Projects

Shively Sidewalks, Jefferson County, KY

Main Street Sidewalk and Streetscape Improvements, Kenton County, KY

Project Manager

David Lanham, PE
Will Conkin, PE, PTOE, PMP

Team Members

Stephen Sewell, PE, PTOE
David Lindeman, PE, PLS
David Lanham, PE
David Shain, PE, PLS
Keith McDonald
Matt Arlinghaus, PE

Agency/Client Contact

John Haywood, City of Shively
502-449-4749

Mike Kendall, City Council
City of Bromley
859-743-1992

Dates

2016-2019
2018-2021

Project Elements

Sidewalk/Streetscape Design
Utility Coordination
Survey
Right-of-Way Acquisition
Drainage/Erosion Control
Construction Engineering
Bicycle and Pedestrian Design
LPA Guidelines/Policies
Construction Administration

Project Description

Shively Sidewalks, Jefferson County

The City of Shively received a TAP Grant to construct sidewalks along three street corridors in western Jefferson County - Garrs Lane, Mary Catherine Drive, and Farnsley Road - for a total of more than 3 miles of sidewalks. Palmer developed Phase 1 and Phase 2 plans; led public involvement; developed easement descriptions; coordinated with utility companies to minimize relocations; assisted with historic property research for the environmental document; assisted bidding services, and provided construction administration services.

Main Street Sidewalk and Streetscape Improvements

Palmer Engineering provided survey and right-of-way acquisition services for the Bromley sidewalks that were designed by another engineer for the city. The project included coordinating the design of a retaining wall that had deteriorated beyond repair and required the sidewalk to be closed. As part of the LPA contract, Palmer developed plans and acquired the right of way for 3 parcels and developed bid documents for construction advertising. Due to budget constraints, Palmer developed a strategy to modify the scope of the project to select improvements that met the budget. One strategy included constructing the failed retaining wall with local funds rather than grant funds because the stricter requirements of using grant funds to build the wall. Palmer also restructured the proposed plans into phases allowing for a reduced initial construction cost. Palmer coordinated with Duke Energy to provide conduit for street lighting and coordinated the placement of the lights along the corridor. In addition, Palmer assisted the City in coordinating with SD1 to use their contractor pricing to reduce construction costs on storm sewer improvements. The project was constructed in 2021.





Cincinnati/Northern KY International Airport (CVG) Economy Parking Lot Rehabilitation, Boone County, KY Loomis Road, Boone County, KY

Project Managers

Chris Mischel, PE, CPESC, LEED AP
Will Conkin, PE, PTOE, PMP

Common Team Members

Matt Arlinghaus, PE
Zach Reichert, PE
Chris Mischel, PE, LEED AP, CPESC
Stephanie Blain, PE, LEED AP
Matt Arlinghaus, PE

Agency

Kenton County Airport Board (KCAB)
Corey Thomas; 859-413-8726

KCAB
Cassie Krautsack; 859-652-2627

Construction Cost

\$1,166,613.53
\$500,000

Dates

2019-2021
2019-Present

Project Elements

Pavement Rehabilitation
Utility Impact Mitigation
Traffic Analysis
Construction Administration
Construction Plans
Estimating
Constructibility Reviews
Survey
Pavement Analysis
Traffic Forecast
Bid Documentation

Project Description

Economy Parking Lot Rehabilitation at CVG Airport

The project involved design as well as construction administration from project design through construction completion. Services included preliminary assessment of the parking lot rehabilitation project, evaluating the pavement stresses, improvement strategies, maintenance improvements, construction methods, cost estimates, specifications, quantities, and strategy improvements based on the pavement distresses. Bid items and quantities were developed for bidding estimation of asphalt crack sealing, asphalt seal coating, and base failure repair. The projected evolved based on the uncovered pavement conditions, and additional improvement strategies were developed.

Loomis Road at CVG Airport

In 2020, Palmer was contracted to develop pavement rehabilitation concepts addressing future traffic demands along Loomis Road due to the Consolidated Rental Car Facility (CONRAC) and developments identified in the CVG Master Plan. A traffic forecast was performed, as well as a traffic analysis, to identify the roadway typical section for the future years. Pavement analyses were performed based pavement cores and dynamic cone penetration (DCP) tests.

Several pavement strategies were developed based on an assessment of the pavement conditions, available budget, and anticipated pavement life. The existing pavement was unique with an asphalt overlay of varying depths on top of concrete pavement. The pavement strategies included short-term and long-term year projections providing CVG with a range of options. In December 2020, a pavement strategy was selected, and Palmer completed the construction plans in 2 months. The improvements included pavement rehabilitation, along with base failure repairs, and constructing new curb and gutter and lighting along the corridor.

Due to the high cost of relocating utilities, special consideration was taken to minimize utility impacts. As a result of the detailed design, no utilities impacted the project. An example of mitigating utility impacts, the drainage design utilized overland flow and curb and gutter flumes, contrary to a more expensive underground storm sewer.

Palmer worked closely with asphalt fiber suppliers to develop a special note to define the specifications for fiber reinforcement of asphalt to meet the pavement design. Rental car companies are located along Loomis Road; therefore, special notes were developed to minimize impacts to their operations.

Bids were accepted in February 2021 and construction began May 2021. Palmer provided construction administration for the project in coordination with CVG forces performing construction inspection.





Project Approach

Fayette County, RFP#41-2024 Indefinite Services Contract (Construction Inspection)

INTRODUCTION

Fayette County continues to be a center of growth in Central Kentucky in terms of both population and commercial development. With the expansion of the Urban Service Boundary and growth in the Hamburg and Leestown Areas, infrastructure improvements will be necessary to improve safety and congestion while providing increased traffic capacity. The multi-modal facilities around the city are expanding and providing for all users.

Palmer has just completed multiple CEI assignments across the state, including overseeing the widening of KY 3159 (Ted Bushelman Blvd.) as an LPA project. We have also completed LPA CEI Inspection for the City of Covington, Bromley, Ashland, and Henderson.

The Bushelman Project widened to both sides with utility relocations and required coordination with Florence, CVG, and businesses on the corridor. An adjoining project on Aero Parkway required coordination and teamwork among



contractors and inspection personnel with conflicting interests and schedules.

PROJECT LEADERSHIP

The Palmer Team is uniquely suited to oversee any construction project. **Matt Arlinghaus, PE**, will serve as the project's Resident Engineer. He has thorough experience as an engineer and served in that capacity at KYTC in District 6. Matt was a section engineer in the district for three years in Williamstown and the branch manager for Project Delivery and Preservation for three years. Matt served his 19-year career at KYTC in various areas of the construction section. He has experience with interstate widening projects, bridge replacement projects, highway maintenance projects, as well as small bridge replacements and sidewalk projects. During his time with Palmer Engineering, he has worked on several roadway projects and has a vast understanding of KYTC and local government specifications. Matt led the Palmer team on the LPA project for improvements to Ted Bushelman Blvd. In 2020, Matt provided engineering and inspection on an LPA project in Wolfe County, including utility relocation, stormwater drainage installation, and sidewalk construction.

Assisting Matt with Resident Engineer duties will be **Zach Reichert, PE**. Zach was also previously employed by KYTC in the Project Delivery and Preservation Branch. He also worked in the Materials Lab during his tenure at KYTC.



Zach worked on projects including I-75 Boone County Auxiliary Lane with Soundwall and I-275 pavement rehab in Kenton County. He has assisted at Palmer with inspection and engineering on KY 3159 (Ted Bushelman). Zach will be available to provide additional support and will be an asset to the team.

INSPECTION TEAM

Matt will be working with an experienced team of inspectors who are full-time employees of Palmer and are available as needed. The inspection staff is key to the oversight and progress of a construction project. Inspection staff will be on-site immediately when work begins and will have all required certifications. Additional staff will be added with all necessary certifications of their position. Project inspection requires an on-site presence by technical staff knowledgeable about KYTC specifications and standards, who will ensure work is performed within those parameters. Close observation of a contractor's operations is paramount to proper oversight and confidence in the final product.

In the current labor environment, a qualified inspector with all certifications is becoming more difficult to find. Many current inspectors previously worked for KYTC and retired from that position. Finding new inspectors to train and certify poses challenges that the project team is prepared to encounter.

Neil Allen will serve as the project lead inspector. Neil has been working on the City of Ashland LPA Project, which is converting five intersections in downtown Ashland to



roundabouts and adding streetscape. He served as the lead inspector on the I-75 INFRA project in Boone County and as the lead paving inspector. He also assisted in utility relocation early in the project. He has over 20 years of experience in construction inspection and previously worked for KYTC. **George Garza** and **Ethan Fielder** are also available for projects. They have served as lead inspectors on the City of Henderson Wathen Lane project, widening 1.5 miles of roadway and adding curb and gutter along with a multi-use path. Ethan also leads the Summit Street Sidewalk Project (TAP Grant) inspection at Eastern Kentucky University. Additional staffing will be utilized as needed, and the Palmer Team will ensure the proper amount of inspection for active construction.

Contact has been made with several parties that may be able to provide potential intern roles to the project team. With programs in Construction Technology and Civil Engineering Technology, Bluegrass Community and Technical College and Maysville Community and Technical College could provide trained employees for the project. Additionally, Gateway Community and Technical College in Northern Kentucky have partnered with KYTC to administer a Transportation Construction Certification Program that could be utilized to fill an intern/co-op role.

CRITICAL PROJECT FUNCTIONS

Maintenance of Traffic

Safety is always a top priority, and that should apply to both the motorists in the work zone and those performing the work behind traffic control. Maintaining traffic safely and efficiently provides comfort and understanding to the motorists and provides a working environment for the contractors to accomplish their tasks. The CEI team will have staff certified as Work Zone Traffic Control Supervisors and

Technicians. Their role will be to ensure that the traffic control plan for the project is being implemented according to design and functioning in the safest manner possible within standards and specifications. Department personnel will be notified promptly whenever deficiencies are noted and not corrected by the contractor.

Communication between the CEI team, LFUCG, and the contractor team is paramount to a successful project regarding traffic control. The contractor must communicate work activity that impacts traffic to allow for coordination and notification to those affected. Serving as the Resident Engineer, Matt Arlinghaus has knowledge of local traffic concerns and patterns and how issues on one roadway may impact the function of another adjacent roadway.

Communication and coordination will be strong areas of concern to be aware of during the project when significant impacts are made to normal traffic patterns. Having routine, coordinated meetings and communication among the project team will help to alleviate and temper any larger issues.

Project Controls

Similar to the process used for Wathen Lane, Bushelman Blvd, and Winchester Ave, Palmer will assist in the project's document control function, including coordinating the tracking and control of documents. The process begins with form submittals to allow the project team access to SiteManager and ProjectWise and the Citrix receiver to gain server access.

Folders will be created for project items, and training will occur as needed on creating Daily Work Reports and Material Entry for the project team members. Coordination will happen among the project team to develop and use timesheets for construction staff to accurately document

project time. The CEI team will review the initial sampling checklist and assign appropriate material and frequency to the items. The following tracking documents are examples of what will be used as needed for this project:

Utilities

Utility construction and relocation can have a significant impact on the construction progress of a project. Working his entire career with KYTC and Palmer Engineering, Matt Arlinghaus, Stephanie Blain, and Kevin Damron have worked with many of the local utility agencies that would be present on these projects. Existing relationships between utility personnel and contractor personnel can be used to facilitate activity by utility companies to ensure continuous progress. Resolving utility conflicts and issues quickly is imperative to keeping roadway construction on schedule. Zach Reichert will assist in this matter, given his past construction experience, and George Garza retired from AT&T, so he has relationships with multiple utility companies.



Erosion Control

Palmer will provide qualified staff with KEPSC-RI certifications to review the contractors' efforts in this area. These certifications can be an overlooked, undervalued concept in many projects, but they are essential in protecting the surrounding waters and minimizing erosion.



Verification of the contractors' efforts to properly install, inspect, and maintain all erosion control matters on the project will be a serious task. Cooperation with all permits issued on the project and collaboration with the KY Division of Water is critical to an environmentally friendly project.

Sampling and Testing

Inspection staff will be prepared to properly test and sample materials according to the KYTC Sampling Checklist. Proper equipment and correct information is the first step to ensuring quality materials are used in project construction. Palmer staff will set up the checklist for the inspection staff. The CEI team will ensure all documentation is uploaded to ProjectWise while ensuring materials comply with current specifications and sampling manual. Follow-up with the contractor will occur on any missing or deficient certifications and materials.

Quality Assurance

As required, the project team will develop a Quality Assurance Plan within 30 days of the award. This plan will describe the means and methods by which Palmer will monitor and maintain compliance for all records and processes. The process used on other projects includes categorizing observations into three categories. These categories will be tracked in a living document until closed. All QA reports will be made available after the review.

Conflict Resolution

When Matt Arlinghaus worked as the coordinator for KYTC, his duties often brought issues of conflict with questions from the public and

contractors about how and why concerning highway functions. Matt handled those duties well for many years and will quickly analyze and work with the KYTC Construction Manager on this project to resolve any issues. Being a resident of the area will assist in understanding how construction will impact the community. It is rare for a project to occur without a conflict or significant issue arising. Handling those issues expeditiously can keep a project moving rather than slowing or stopping to find a solution.

While it is important to resolve the conflict, the CEI team must be firm but fair with contractors to ensure the project is built to plans and specifications while recognizing that conditions change. Often, an area of agreement exists that satisfies all parties without compromising the quality of the product.

Communication

The KY 3159 Ted Bushelman project required communication with CVG and its lease holders to ensure continuous access to entrances along the corridor. Coordination occurred to allow reconstruction of one entrance while minimizing the impact to the lease holders and businesses at that location. Communication with various entities on a project is typical procedure and was evident on the Ted Bushelman project.

Project communication is critical, not just between contractor and inspector but also between LFUCG and the public as well. Information will need to flow in many directions for a successful project. Matt's and Stephen's familiarity with staff members and knowledge of the area will assist in communicating the project activities to all interested parties.

Contractor Schedule Review

The contractor must submit a schedule for review by the consultant team. A CPM schedule can be a valuable asset if the contractor provides the proper information. A compliance review ensures the schedule meets CPM requirements and satisfies the contract language regarding delays, limitations, milestones, and other

deliverables. The technical review addresses whether the schedule is a CPM schedule. Constructability reviews will determine if the schedule is reasonable and follows a course of logic to construct the project. The analyses and reviews will be summarized, and a living document will be provided for future comparison.

Design Review

Palmer has experienced staff to review and comment on contractor submittals for shop drawings, erection plans, or other relevant documents. Palmer has routinely worked with LFUCG and KYTC and has participated in many local and state projects with varied funding sources.

Reasons to Select the Palmer Team

The Palmer Team understands the types of tasks that will be assigned under this contract and is the ideal firm to provide Construction Engineering Services for the LFUCG projects for the following reasons:

- Experience with construction projects throughout Kentucky, including KYTC and local governments
- Palmer staff have experience working together on many projects and on projects that vary in size from a turn lane to structures over creeks and railroads
- Local presence with offices, current projects, and team members residing near the projects
- Experience with local leaders, utility companies, and businesses in Lexington-Fayette County
- Project experience in dealing with overlapping or adjoining construction projects

We appreciate your consideration of our proposal and look forward to our selection and a continued successful partnership with LFUCG.



RFP #41-2024 - Indefinite Services Contract

Forms



AMERICAN RESCUE PLAN ACT

AMENDMENT 1 — CERTIFICATION OF COMPLIANCE FOR EXPENDITURES USING FEDERAL FUNDS, INCLUDING THE AMERICAN RESCUE PLAN ACT

The Lexington-Fayette Urban County Government (“LFUCG”) may use Federal funding to pay for the goods and/or services that are the subject matter of this bid. That Federal funding may include funds received by LFUCG under the American Rescue Plan Act of 2021. Expenditures using Federal funds require evidence of the contractor’s compliance with Federal law. Therefore, by the signature below of an authorized company representative, you certify that the information below is understood, agreed, and correct. Any misrepresentations may result in the termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

The bidder (hereafter “bidder,” or “contractor”) agrees and understands that in addition to all conditions stated within the attached bid documents, the following conditions will also apply to any Agreement entered between bidder and LFUCG, if LFUCG uses Federal funds, including but not limited to funding received by LFUCG under the American Rescue Plan Act (“ARPA”), toward payment of goods and/or services referenced in this bid. The bidder also agrees and understands that if there is a conflict between the terms included elsewhere in this Request for Proposal and the terms of this Amendment 1, then the terms of Amendment 1 shall control. The bidder further certifies that it can and will comply with these conditions, if this bid is accepted and an Agreement is executed:

1. Any Agreement executed as a result of acceptance of this bid may be governed in accordance with 2 CFR Part 200 and all other applicable Federal law and regulations and guidance issued by the U.S. Department of the Treasury.
2. Pursuant to 24 CFR § 85.43, any Agreement executed as a result of acceptance of this bid can be terminated if the contractor fails to comply with any term of the award. This Agreement may be terminated for convenience in accordance with 24 CFR § 85.44 upon written notice by LFUCG. Either party may terminate this Agreement with thirty (30) days written notice to the other party, in which case the Agreement shall terminate on the thirtieth day. In the event of termination, the contractor shall be entitled to that portion of total compensation due under this Agreement as the services rendered bears to the services required. However, if LFUCG suspects a breach of the terms of the Agreement and/or that the contractor is violating the terms of any applicable law governing the use of Federal funds, LFUCG may suspend the contractor’s ability to receive payment by giving thirty (30) days’ advance written notice. Further, either party may terminate this Agreement for cause shown with thirty (30) days written notice, which shall explain the party’s cause for the termination. If the parties do not reach a settlement before the end of the 30 days, then the Agreement shall terminate on the thirtieth day. In the event of a breach, LFUCG reserves the right to pursue any and all applicable legal, equitable, and/or administrative remedies against the contractor.
3. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:
 - (1) Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and

applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- (3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- (4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part, and the contractor may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

Provided, however, that in the event a contractor becomes involved in or is threatened with litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

4. If fulfillment of the contract requires the contractor to employ mechanic's or laborers, the contractor further agrees that it can and will comply with the following:

- (1) *Overtime requirements: No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such a workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such a workweek.*

- (2) *Violation: liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.*
- (3) *Withholding for unpaid wages and liquidated damages. LFUCG shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.*
- (4) *Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower-tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower-tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.*

5. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.

6. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency Regional Office.

7. The contractor shall include these requirements in numerical paragraphs 5 and 6 in each subcontract exceeding \$100,000 financed in whole or in part with Federal funding.

8. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 et seq.

9. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency Regional Office.

10. The contractor shall include these requirements in numerical paragraphs 8 and 9 in each subcontract exceeding \$100,000 financed in whole or in part with Federal funds.

11. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 et seq.

12. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency regional office.

13. The contractor shall include these requirements in numerical paragraphs 11 and 12 in each subcontract exceeding \$100,000 financed in whole or in part with American Rescue Plan Act funds.

14. The contractor shall include this language in any subcontract it executes to fulfill the terms of this bid: “the sub-grantee, contractor, subcontractor, successor, transferee, and assignee shall comply with Title VI of the Civil Rights Act of 1964, which prohibits recipients of federal financial assistance from excluding from a program or activity, denying benefits of, or otherwise discriminating against a person on the basis of race, color, or national origin (42 U.S.C. § 2000d et seq.), as implemented by the Department of the Treasury’s Title VI regulations, 31 CFR Part 22, which are herein incorporated by reference and made a part of this contract (or agreement). Title VI also includes protection to persons with ‘Limited English Proficiency’ in any program or activity receiving federal financial assistance, 42 U.S.C. § 2000d et seq., as implemented by the Department of the Treasury’s Title VI regulations, 31 CFR Part 22, and herein incorporated by reference and made a part of this contract or agreement.”

15. *Contractors who apply or bid for an award of \$100,000 or more shall file the required certification that it will not and has not used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency. Each tier certifies to the tier above that it will not and has not used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier, up to the recipient. The required certification is included here:*

- a. The undersigned certifies, to the best of his or her knowledge and belief, that:
 - (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
 - (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions.
 - (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.
- b. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

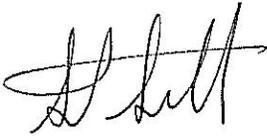
16. The contractor acknowledges and certifies that it has not been debarred or suspended and further acknowledges and agrees that it must comply with regulations regarding debarred or suspended entities in accordance with 24 CFR § 570.489(1). Funds may not be provided to excluded or disqualified persons.

17. The contractor agrees and certifies that to the greatest extent practicable, it will prefer the purchase, acquisition, and use of all applicable goods, products or materials produced in the United States, in

conformity with 2 CFR 200.322 and/or section 70914 of Public Law No. 117-58, §§ 70901-52, also known as the Infrastructure Investment and Jobs Act, whichever is applicable.

18. The contractor agrees and certifies that all activities performed pursuant to any Agreement entered as a result of the contractor's bid, and all goods and services procured under that Agreement, shall comply with 2 C.F.R. § 200.216 (Prohibition on certain telecommunications and video surveillance services and equipment) and 2 C.F.R. 200 § 200..323 (Procurement of recovered materials), to the extent either section is applicable.

19. If this bid involves construction work for a project totaling \$10 million or more, then the contractor further agrees that all laborers and mechanics, etc., employed in the construction of the public facility project assisted with funds provided under this Agreement, whether employed by contractor, or contractor's contractors, or subcontractors, shall be paid wages complying with the Davis-Bacon Act (40 U.S.C. 3141-3144). Contractor agrees that all of contractor's contractors and subcontractors will pay laborers and mechanics the prevailing wage as determined by the Secretary of Labor and that said laborers and mechanics will be paid not less than once a week. The contractor agrees to comply with the Copeland Anti- Kick Back Act (18 U.S.C. § 874) and its implementing regulations of the U.S. Department of Labor at 29 CFR part 3 and part 5. The contractor further agrees to comply with the applicable provisions of the Contract Work Hours and Safety Standards Act (40 U.S.C. Section 327-333), and the applicable provisions of the Fair Labor Standards Act of 1938, as amended (29 U.S.C. et seq.). Contractor further agrees that it will report all suspected or reported violations of any of the laws identified in this paragraph to LFUCG.

A handwritten signature in black ink, appearing to read "H. Hill", written over a horizontal line.

Signature

07/16/2024

Date

AFFIDAVIT

Comes the Affiant, Stephen Sewell, PE, PTOE, and after being first duly sworn, states under penalty of perjury as follows:

1. His/her name is Stephen Sewell, PE, PTOE and he/she is the individual submitting the proposal or is the authorized representative of Palmer Engineering, the entity submitting the proposal (hereinafter referred to as "Proposer").

2. Proposer will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the proposal is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.

3. Proposer will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.

4. Proposer has authorized the Division of Procurement to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.

5. Proposer has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Proposer will not violate any provision of the campaign finance laws of the Commonwealth.

6. Proposer has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."

Continued on next page

7. Proposer acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.



STATE OF Kentucky

COUNTY OF Clark

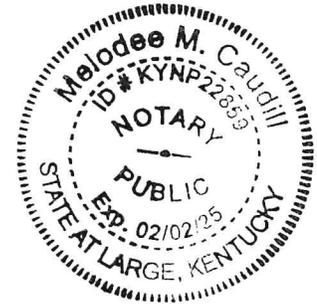
The foregoing instrument was subscribed, sworn to and acknowledged before me

by Stephen Sewell, PE, PTOE on this the 16th day

of July, 2024.

My Commission expires: 02/02/2025

 ID# KYNP22859
NOTARY PUBLIC, STATE AT LARGE



EQUAL OPPORTUNITY AGREEMENT

Standard Title VI Assurance

The Lexington Fayette-Urban County Government, (hereinafter referred to as the "Recipient") hereby agrees that as a condition to receiving any Federal financial assistance from the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78Stat.252, 42 U.S.C. 2000d-4 (hereinafter referred to as the "Act"), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, (49 CFR, Part 21) Nondiscrimination in Federally Assisted Program of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the "Regulations") and other pertinent directives, no person in the United States shall, on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the U.S. Department of Transportation, including the Federal Highway Administration, and hereby gives assurance that will promptly take any necessary measures to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:

The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.



Signature

Palmer Engineering

Name of Business

WORKFORCE ANALYSIS FORM

Name of Organization: Palmer Engineering Company

Categories	Total	White (Not Hispanic or Latino)		Hispanic or Latino		Black or African-American (Not Hispanic or Latino)		Native Hawaiian and Other Pacific Islander (Not Hispanic or Latino)		Asian (Not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (Not Hispanic or Latino)		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Administrators	8	7	1													7	1
Professionals	54	47	6										1		48	6	
Superintendents																	
Supervisors	8	8														8	
Foremen																	
Technicians	45	31	10		1					2			1		34	11	
Protective																	
Para-																	
Office/Clerical	8		8													8	
Skilled Craft																	
Service/Maintena																	
Total:	123	93	25		1					2			2		97	26	

Prepared by: Jennifer Lisle, CPA - CFO Date: 07 / 16 / 24

(Name and Title)

Revised 2015-Dec-15

Firm Submitting Proposal: Palmer Engineering

Complete Address: 1040 Monarch Street, Ste 210, Lexington, KY 40513
Street City Zip

Contact Name: Stephen Sewell Title: Vice President

Telephone Number: 859-389-9293 Fax Number: 859-744-1266

Email address: ssewell@palmernet.com



LFUCG MWDBE PARTICIPATION FORM

Bid/RFP/Quote Reference # 41-2024

The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Procurement for approval immediately. **Failure to submit a completed form may cause rejection of the bid.**

MWDBE Company, Name, Address, Phone, Email	MBE WBE or DBE	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1. Element Design Ramona Fry ramona@element-site.com 366 South Broadway Lexington, KY 40508 859.389.6533	WBE	Landscape and Bike/Ped	TBD	10%
2. Metric Environmental Richard Herndon richardh@metricenv.com 2100 W. Chestnut St., Suite 202 Louisville, KY 40211 859.878.1007	DBE	Archeology	TBD	10%
3. Bryant Engineers Richard Storm rstorm@bryant-engrs.com 3407 Stony Spring Circle Louisville, KY 40220 502.208.1512	DBE	Survey, Drainage, Construction Inspection	TBD	10%
4.				

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Palmer Engineering
Company

07/16/2024
Date


Company Representative

Vice President
Title



MWDBE QUOTE SUMMARY FORM
 Bid/RFP/Quote Reference # 41-2024

The undersigned acknowledges that the minority and/or veteran subcontractors listed on this form did submit a quote to participate on this project. Failure to submit this form may cause rejection of the bid.

Company Name Palmer Engineering	Contact Person Stephen Sewell
Address/Phone/Email 1040 Monarch Street, Ste 210 Lexington, KY 40513 859-389-9293; ssewell@palmernet.com	Bid Package / Bid Date 41-2004 / 06-11-2024

MWDBE Company Address	Contact Person	Contact Information (work phone, Email, cell)	Date Contacted	Services to be performed	Method of Communication (email, phone meeting, ad, event etc)	Total dollars \$\$ Do Not Leave Blank (Attach Documentation)	MBE * AA HA AS NA Female	Veteran
366 South Broadway Lexington, KY 40508	Ramona Fry	ramona@element-site.com 859-389-6533	7/8/2024	landscape and bike ped	phone	10%	Female	No
2100 W. Chestnut St., Ste 202 Louisville, KY40211	Richard Herndon	richardh@metric-env.com 859-878-1007	7/9/2024	archeology	email	10%	AA	No
3407 Stony Spring Cr. Louisville, KY 40220	Richard Storm	rstorm@bryant-engrs.com	7/8/2024	survey, drainage const. insp.	phone	10%	N/A	No

(MBE designation / AA=African American / HA= Hispanic American/AS = Asian American/Pacific Islander/ NA= Native American)

The undersigned acknowledges that all information is accurate. Any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Palmer Engineering
Company


Company Representative

07/16/2024
Date

Vice President
Title

LFUCG STATEMENT OF GOOD FAITH EFFORTS

Bid/RFP/Quote # 41-2004

By the signature below of an authorized company representative, we certify that we have utilized the following Good Faith Efforts to obtain the maximum participation by MWDBE and Veteran-Owned business enterprises on the project and can supply the appropriate documentation.

Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.

Included documentation of advertising in the above publications with the bidders good faith efforts package

Attended LFUCG Procurement Economic Inclusion Outreach event

Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned Businesses of subcontracting opportunities

Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses

Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).

Contacted organizations that work with MWDBE companies for assistance in finding certified MWDBE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.

Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.

Followed up initial solicitations by contacting MWDBEs and Veteran-Owned businesses to determine their level of interest.

Provided the interested MWDBE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.

Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items

into economically feasible units to facilitate MWDBE and Veteran participation, even when the prime contractor may otherwise perform these work items with its own workforce

_____ Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.

_____ Included documentation of quotations received from interested MWDBE firms and Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.

_____ Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.

_____ Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal

_____ Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

_____ Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE and Veteran participation.

NOTE: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to approval by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.

The undersigned acknowledges that all information is accurate. Any misrepresentations may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Palmer Engineering
Company
07/16/2024
Date


Company Representative
Vice President
Title

GENERAL PROVISIONS

1. Each Respondent shall comply with all Federal, State & Local regulations concerning this type of service or good.

The Respondent agrees to comply with all statutes, rules, and regulations governing safe and healthful working conditions, including the Occupational Health and Safety Act of 1970, *29 U.S.C. 650 et. seq.*, as amended, and KRS Chapter 338. The Respondent also agrees to notify the LFUCG in writing immediately upon detection of any unsafe and/or unhealthful working conditions at the job site. The Respondent agrees to indemnify, defend and hold the LFUCG harmless from all penalties, fines or other expenses arising out of the alleged violation of said laws.

2. Failure to submit ALL forms and information required in this RFP may be grounds for disqualification.
3. Addenda: All addenda and IonWave Q&A, if any, shall be considered in making the proposal, and such addenda shall be made a part of this RFP. Before submitting a proposal, it is incumbent upon each proposer to be informed as to whether any addenda have been issued, and the failure to cover in the bid any such addenda may result in disqualification of that proposal.
4. Proposal Reservations: LFUCG reserves the right to reject any or all proposals, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by a Respondent in the preparation of proposals.
6. Changes/Alterations: Respondent may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the proposal, and received by LFUCG prior to the scheduled closing time for receipt of proposals, will be accepted. The proposal, when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of proposal".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from a Respondent.
8. Bribery Clause: By his/her signature on the bid, Respondent certifies that no employee of his/hers, any affiliate or Subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.

9. Additional Information: While not necessary, the Respondent may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the Respondent's response. Additional documentation shall not serve as a substitute for other documentation which is required by this RFP to be submitted with the proposal,
10. Ambiguity, Conflict or other Errors in RFP: If a Respondent discovers any ambiguity, conflict, discrepancy, omission or other error in the RFP, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. Agreement to Bid Terms: In submitting this proposal, the Respondent agrees that it has carefully examined the specifications and all provisions relating to the work to be done attached hereto and made part of this proposal. By acceptance of a Contract under this RFP, proposer states that it understands the meaning, intent and requirements of the RFP and agrees to the same. The successful Respondent shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to Respondent shall be authorized for services or expenses reasonably covered under these provisions that the proposer omits from its Proposal.
12. Cancellation: If the services to be performed hereunder by the Respondent are not performed in an acceptable manner to the LFUCG, the LFUCG may cancel this contract for cause by providing written notice to the proposer, giving at least thirty (30) days notice of the proposed cancellation and the reasons for same. During that time period, the proposer may seek to bring the performance of services hereunder to a level that is acceptable to the LFUCG, and the LFUCG may rescind the cancellation if such action is in its best interest.

A. Termination for Cause

- (1) LFUCG may terminate a contract because of the contractor's failure to perform its contractual duties
- (2) If a contractor is determined to be in default, LFUCG shall notify the contractor of the determination in writing, and may include a specified date by which the contractor shall cure the identified deficiencies. LFUCG may proceed with termination if the contractor fails to cure the deficiencies within the specified time.
- (3) A default in performance by a contractor for which a contract may be terminated shall include, but shall not necessarily be limited to:
 - (a) Failure to perform the contract according to its terms, conditions and specifications;
 - (b) Failure to make delivery within the time specified or according

- to a delivery schedule fixed by the contract;
- (c) Late payment or nonpayment of bills for labor, materials, supplies, or equipment furnished in connection with a contract for construction services as evidenced by mechanics' liens filed pursuant to the provisions of KRS Chapter 376, or letters of indebtedness received from creditors by the purchasing agency;
 - (d) Failure to diligently advance the work under a contract for construction services;
 - (e) The filing of a bankruptcy petition by or against the contractor; or
 - (f) Actions that endanger the health, safety or welfare of the LFUCG or its citizens.

B. At Will Termination

Notwithstanding the above provisions, the LFUCG may terminate this contract at will in accordance with the law upon providing thirty (30) days written notice of that intent, Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. **Assignment of Contract:** The contractor shall not assign or subcontract any portion of the Contract without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. **No Waiver:** No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this Contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
15. **Authority to do Business:** The Respondent must be a duly organized and authorized to do business under the laws of Kentucky. Respondent must be in good standing and have full legal capacity to provide the services specified under this Contract. The Respondent must have all necessary right and lawful authority to enter into this Contract for the full term hereof and that proper corporate or other action has been duly taken authorizing the Respondent to enter into this Contract. The Respondent will provide LFUCG with a copy of a corporate resolution authorizing this action and a letter from an attorney confirming that the proposer is authorized to do business in the State of Kentucky if requested. All proposals must

be signed by a duly authorized officer, agent or employee of the Respondent.

16. **Governing Law:** This Contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this Contract, the Parties agree that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division. All parties expressly consent to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to this Contract or any rights or obligations arising thereunder. Service of process may be accomplished by following the procedures prescribed by law.
17. **Ability to Meet Obligations:** Respondent affirmatively states that there are no actions, suits or proceedings of any kind pending against Respondent or, to the knowledge of the Respondent, threatened against the Respondent before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of Respondent to perform its obligations under this Contract, or which question the legality, validity or enforceability hereof or thereof.
18. Contractor understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Contractor is an independent contractor at all times during the performance of the services specified.
19. If any term or provision of this Contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.
20. Contractor [or Vendor or Vendor's Employees] will not appropriate or make use of the Lexington-Fayette Urban County Government (LFUCG) name or any of its trade or service marks or property (including but not limited to any logo or seal), in any promotion, endorsement, advertisement, testimonial or similar use without the prior written consent of the government. If such consent is granted LFUCG reserves the unilateral right, in its sole discretion, to immediately terminate and revoke such use for any reason whatsoever. Contractor agrees that it shall cease and desist from any unauthorized use immediately upon being notified by LFUCG.



Signature

07/16/2024

Date

AFFIRMATIVE ACTION

POLICY STATEMENT

It is the policy of Palmer Engineering Company (PEC) to support and promote equal employment opportunity. As president and CEO of PEC, I am committed to a hiring and promotion program that assures all qualified persons without regard to race, color, religion, sex (includes sexual harassment), national origin, disability, age (40 years or more) and veteran status (Vietnam Era, Desert Storm/Shield or disabled) the opportunity for work and advancement. Further, I totally support and defend the Affirmative Action Plan of this company.



David Lindeman, President

January 2, 2024

January 2, 1986
Revised/Updated January 2, 2024

PALMER ENGINEERING COMPANY AFFIRMATIVE ACTION PLAN

The following Affirmative Action Plan has been adopted by our company to take affirmative action to afford Equal Employment Opportunity to any and all qualified persons without regard to race, religion, sex, color, handicap, veteran, or national origin.

1. The purpose of this Affirmative Action Program is to comply with Executive Order No. 11246 regarding direct Government Contracts. All personnel having responsibility for hiring, promoting, laying off or disciplining employees will read and be familiar with this Affirmative Action Plan.
2. The Equal Employment Opportunity responsibility is designated to Jennifer Lisle, who for the purpose of this plan, will be this company's Equal Employment Opportunity Officer, and is charged with the responsibility of securing compliance and advising corporate officials of progress.
3. The provisions of the Specifications concerning EEO will be revised annually by the EEO Officer to insure that the requirements are met and receive proper attention.
4. When work has commenced on a new project, the following shall be done:
 - A. The project manager will be informed on EEO matters concerning the particular project by the EEO Officer. This may also be done after a contract is received, before the new project starts.
 - B. Necessary steps will be taken to insure that provisions are incorporated in applicable subcontracts as outlined in "Contractor's Agreement", Section 202, Paragraph 1 thru 7, Executive Order No. 11246.
 - C. Each subcontractor will be furnished a copy of this Affirmative Action Plan and our EEO policy. They will be requested in writing to acknowledge to this company in writing that they understand our Policy, and their obligations to take affirmative action.

- D. Project managers and all supervisory personnel who employ or cause to be employed, to include field office personnel, will be asked to endorse a copy of this Policy and the Program as outlined herein to the effect that they have read same, and that they understand its contents, and that same will be complied with regarding matters within their control.
 - E. Other organizations or works with whom we have agreements or understandings will be advised of the respective project and will be asked, in writing to advise this company in writing whether or not their policies and practices are consistent with these requirements. If a negative reply is received, and all other attempts to negotiate have failed, the matter will then be taken up with the proper Federal, State, or Local Authorities for further compliance and/or ruling.
 - F. A copy of both the Policy and Program will be posted on the bulletin board where it will be viewed easily by all employees, and applicants for employment.
 - G. An EEO poster will be posted on the bulletin board.
5. Project managers and the EEO Officer shall review and discuss composition of on-site employment with supervisors to indicate that this is the desire of management to carry out its Policy and Program. This subject will also be a topic for discussion regularly in job meetings of supervisory personnel.
 6. Where applicable, it will be made known publicly that applications for employment are desired of all qualified persons regardless of race, religion, sex, color, handicap, veteran, or national origin.
 7. Only recruitment sources, which state in writing that they acknowledge our EEO Policy and refer on that basis, will be used.
 8. All notices in newspapers, etc., for prospective employees will contain the phrase "Equal Opportunity Employer".
 9. This company is committed to the inclusion of non-discriminatory provisions on agreements, and that workmen will be referred hereunder without regard to race, religion, sex, color, handicap, veteran, or national origin.
 10. Capable unskilled or semi-skilled workmen are to be upgraded to skilled or semi-skilled positions without regard to race, religion, sex, color, handicap, veteran, or national origin.

11. Interviews with prospective employees, subcontractors, and Joint Ventures will be made without regard to race, religion, sex, color, handicap, veteran, or national origin.
12. An immediate re-evaluation of qualifications of lower echelon minority groups will be made to insure equal consideration for job progression based on standards and qualifications which should be no higher or no lower than those established for any other group.
13. The company will insure that all services and benefits offered by this company will be made available to all employees regardless of race, religion, sex, color, handicap, veteran, or national origin.
14. The EEO Officer will periodically review all employment records of all employees in order to assure promotion and advance without regard to race, religion, sex, color, handicap, veteran, or national origin.
15. Discharge of employees for cause, ability or work performance shall not be influenced by an employee's race, religion, sex, color, handicap, veteran, or national origin. Layoffs due to lack of work shall not be based on race, religion, sex, color, handicap, veteran, or national origin.

PALMER ENGINEERING COMPANY



David Lindeman, President

January 2, 1979
Revised January 2, 2024

NOTICE

Jennifer Lisle, Chief Financial Officer, is hereby re-appointed Equal Employment Opportunity Officer.

Anyone who feels he or she has been discriminated against for any reason shall report the infraction to Ms. Lisle, who shall process the claim in accordance with rules and regulations as established by Secretary of Labor and Executive Order No. 11246, September 24, 1965.

Said notice to be posted on employee's bulletin board.

PALMER ENGINEERING COMPANY



David Lindeman, President



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/29/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Higginbotham Insurance Agency, Inc. 1700 Eastpoint Parkway Louisville KY 40243	CONTACT NAME: Cheryll Clayton PHONE (A/C No. Ext): 502-489-6242 E-MAIL ADDRESS: CClayton@higginbotham.com	FAX (A/C, No):
	INSURER(S) AFFORDING COVERAGE	
License#: 2081754 PALMENG-01	INSURER A: Valley Forge Insurance Company	NAIC # 20508
INSURED Palmer Engineering Company P. O. Box 747 Winchester KY 40392	INSURER B: The Continental Insurance Company	35289
	INSURER C: XL Insurance America Inc.	24554
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 812316303

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	Y	7039429404	5/1/2024	5/1/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	BUA 7039429385	5/1/2024	5/1/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	Y	Y	CUE 7039429399	5/1/2024	5/1/2025	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC 7039429418	5/1/2024	5/1/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liability w/Contractors Pollution Liab		Y	DPR5028416	5/1/2024	5/1/2025	Per Claim 5,000,000 Aggregate 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

Lexington-Fayette Urban County Government
 Room 338, Government Center
 200 East Main Street
 Lexington KY 40507

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2015 ACORD CORPORATION. All rights reserved.



1040 Monarch Street, Suite 210
Lexington, KY 40513
859-389-9293
www.palmernet.com