

RSQ: 21-0940

STATEMENT OF QUALIFICATIONS

On-Call, Transportation and Traffic Engineering Services

Lake County, FL



Traffic Engineering Data Solutions, Inc.

Contact: Chris J. Walsh, PE
Project Manager

80 Spring Vista Drive
DeBary, FL 32713
Phone: 386-753-0558
Date: September 21st, 2021



Traffic Engineering Data Solutions, Inc.

September 21, 2021

Mr. William Ponko, CPPB
Contracting Officer
Lake County
315 West Main Street, Suite 441
Tavares, Florida 32778

Re: Statement of Interest & Understanding of Project for RSQ No. 21-0940 Lake County – On-Call Transportation and Traffic Engineering Services

Dear Mr. Ponko:

Traffic Engineering Data Solutions, Inc. (TEDS) is pleased to present this proposal for On-Call Continuing Transportation and Traffic Engineering Services. TEDS is a licensed professional engineering company and a certified DBE in accordance with regulations of the United States Department of Transportation (USDOT). We specialize in traffic engineering and transportation planning with the commitment of providing customers with comprehensive solutions to transportation issues in a timely and consistent manner. We understand that Lake County is facing a number of exciting opportunities pertaining to the evolution of the County, from a transportation perspective. Therefore, retaining a reliable and seasoned partner to navigate the future is vital. **TEDS** has assembled a team to continue supporting the County that is not only highly qualified, but also highly motivated in providing transportation engineering services for Lake County.

Knowledge of Key Issues. Based on our long-standing experience in Lake County and having served as consultant to the County, we are aware of the many key considerations for the County including transportation challenges associated with growth resulting from the completion of the Wekiva Parkway, improvements to Florida Turnpike and associated interchanges within the County, continued growth in and around the Clermont area resulting in added infrastructure needs like the widening of Hartwood Marsh Road, extension and/or widening of Hancock Road, and the extensions of CR 455. Further south, we are also aware of the Central Florida Expressway's connector (currently under design) between US 27 and SR 429. These just represent a few of the areas that are receiving added attention moving into the future. We recognize that enhancing the operations and safety of the County's transportation system for all users is critical in leading to an improved quality of life for the County's residents.



Long-Standing Local Experience. Since 2012, **TEDS** has been fortunate to serve Lake County under this same On-Call Transportation and Traffic Engineering Services contract. We anticipate the scope of services for this new contract will be in-line with our three (3) previous contracts. Services previously provided have ranged from engineering plans for new traffic signals to traffic operations and safety studies to data collection to highway lighting design.

Regarding signal design, our staff have developed strong working relationships with the County traffic operations staff (most notably Larry Gobel and Jim Globig). When called upon for a signal design, we have worked closely

with George Gadiel to develop a high-quality plan sets in a timely manner. Below is a list of signals we have designed for Lake County:

- Hancock Road at Fosgate Road
- Hancock Road at Oakley Seaver Drive
- Hancock Road at Diamond Club Drive
- Hancock Road at N. Ridge Boulevard
- CR 44 at Fish Camp Road
- Wolf Branch Road at Round Lake Road
- Hancock Road at Kings Ridge Boulevard
- Wolf Branch Road at Britt Road
- Hancock Road at Greater Pines Boulevard
- CR 452 at CR 44

Under this contract, we also expect to conduct a wide variety of traffic operations and safety studies. Working with Lake County staff on a routine basis, particularly George Gadiel and Sharon Lewis, we have conducted various studies ranging from school zone safety studies to intersection assessments. We prepared the CR 44A Truck Evaluation and Speed Study which gathered vehicle classification, volume, and speed data, and reviewed crash history to address concerns regarding truck cut-through traffic. **TEDS** also performed signal warrant studies for several intersections including Wolf Branch Road at Round Lake Road and prepared an operational/safety evaluation of the SR 19/Dead River Road intersection, identifying improvements that are currently being implemented.

Lake County has also leaned on **TEDS** to prepare safety analyses in an effort to obtain, through FDOT, Federal Highway Safety funds for various projects including signals and shoulder projects. As one of FDOT-5's continuing safety studies consultants over the past 10 years, we have a thorough understanding of the study requirements needed to qualify a project for these safety funds. Utilizing Signal Four analytics to pull historical crash data, we frequently work with the Highway Safety Manual (HSM) and other similar documents, to evaluate the benefits of certain improvements and determine the most appropriate crash modification factor when developing benefit-cost analyses. As a result, the County is able to leverage federal highway safety funds to implement much needed safety improvements county-wide.

Data Collection Reliance. Originally founded as a data collection firm, we fully understand that traffic operations/safety studies are fully dependent upon reliable data. **TEDS** has extensive equipment, staffing, and capabilities associated with data collection. This in-house department enables us to expedite and fully control all key aspects of the data collection process, including specific location, appropriate count dates, and expedition of data collection such as when the County needed prompt data collection on CR 435 near the temporary SR 429 interchange ramps. Additionally, over the last couple of years, Lake County has relied on **TEDS** to provide accurate updates to the County's annual traffic counts.

Industry Leaders. Transportation priorities are constantly evolving. From midblock pedestrian crossings, to Intelligent Transportation Systems, to roundabouts, **TEDS** is consistently at the forefront of transportation trends. We have assisted FDOT with the design and implementation of multiple cutting-edge adaptive signal systems throughout central Florida, intersection pedestrian lighting for more than 150 intersections (including along 80 intersections along SR 50), and are currently leading the design of Wrong Way detection systems as part of

a new statewide initiative to eliminate head-on crashes. Separately, **TEDS** has completed numerous comprehensive pedestrian safety studies with improvement plans that include midblock crosswalks with supplemental devices such as Rectangular Rapid Flashing Beacons and recently led the expedited design of a pedestrian signal and pedestrian hybrid flashing beacon on US 92 at Mainland High School in Daytona Beach to address heightened pedestrian safety concerns for students. Our staff has also diverse and current



experience evaluating and implementing sustainable solutions. For this reason, we want to continue to share our experiences to help the County identify the priorities for their residents and visitors.

Funding Opportunities. Today's infrastructure challenges continue given the ever-increasing demand of additional projects and the rising construction costs....by way of example, we are seeing the costs for mast arm signals increasing by nearly 50% in the past six months. As a result, this puts even greater emphasis on identifying alternative funding sources (most notably FDOT and federal funds). Two of our senior engineers served in upper management positions for combined 20+ years with FDOT District 5. Thus, our team brings an in-depth understanding of FDOT's alternative funding sources through strategic pursuits and FDOT's LAP program. As one of many examples, **TEDS** played a critical role in assisting Daytona Beach secure nearly \$5 million in federal funds for the beautification/rehabilitation of Orange Avenue along with an additional \$3 million in reconstructing traffic signals along US 92 from strain poles to mast arms.

Committed to Your Success. The **TEDS** team is focused on a much bigger picture than just task work orders. We commit ourselves to constantly look for opportunities to better the quality of life in places like Lake County. ***We personally guarantee our continued attentiveness, dedication, responsiveness, and availability ... we look forward to the opportunity of serving you again as your consultant and extension of your staff for the completion of On-Call Continuing Transportation and Traffic Engineer Services for Lake County.***

Sincerely,

TRAFFIC ENGINEERING DATA SOLUTIONS, INC.



Deanna F. Ferrell, MBA
President



Chris J. Walsh, PE
Project Manager

Traffic Engineering Data Solutions, Inc.

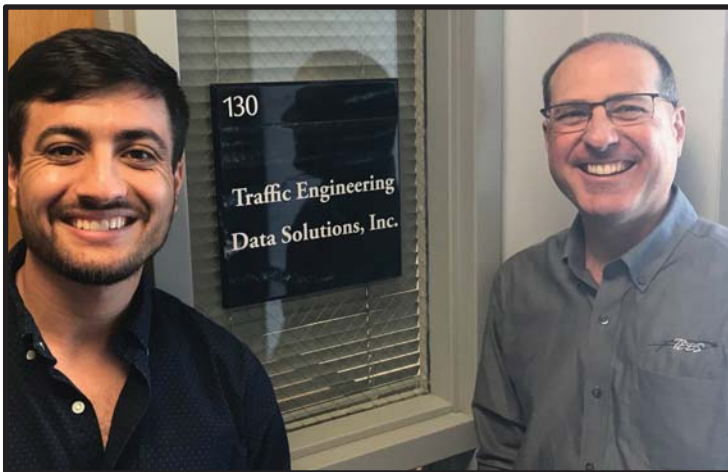


SECTION 1. VENDOR PROFILE

Firm Profile

Traffic Engineering Data Solutions (TEDS) is a licensed professional engineering firm, established in February of 2007 and owned/operated by **Ms. Deanna F. Ferrell, MBA**. As President of the company, Deanna oversees the daily operations of the company and has the ability to make financial commitments without seeking approval from others.

TEDS is a certified DBE in accordance with regulations of the United States Department of Transportation (USDOT). We specialize in traffic engineering and transportation planning with the commitment of providing customers with comprehensive solutions to transportation issues in a timely and consistent manner. The guiding principle of **TEDS** is very straight forward ... Doing the right thing!!! **TEDS** staff possesses knowledge and experience of traffic engineering and transportation planning not only from providing these services to Lake County and various other governmental agencies, but also from completing these activities within a governmental agency.



TEDS has formed a team for this project with the resources and manpower to support varying and concurrent tasks as necessary and authorized by the Lake County Project Manager. The staff on the **TEDS** team brings a unique mix of technical expertise and practical experience. We specialize in transportation planning and traffic engineering, so we have extensive experience in access management, traffic operational studies, traffic impact analysis review, traffic engineering design, traffic impact studies, and Intelligent Transportation System (ITS) development and operations. However, we also have extensive transportation engineering design experience, for both roadway and sidewalk projects, as well as the associated drainage design, utility design, and permitting projects.

To enhance the **TEDS** team and the services to Lake County, sub-consultants specializing in various engineering activities have joined the **TEDS** team for this project. **Barnes, Ferland and Associates, Inc. (BFA)** will provide subsurface utility exploration support. **Florida Bridge and Transportation, Inc. (FBT)** will provide structural engineering support and **Tierra, Inc.** will provide geotechnical engineering support. As another sub-consultant we rely on routinely, we have added **Terracon, Inc.** to the team to provide environmental support should any unexpected issues arise. **TEDS** regularly partners with this group of highly qualified consultants.

Licensee Details

Licensee Information

Name: **TRAFFIC ENGINEERING DATA SOLUTIONS, INC. (Primary Name)**

Main Address: **80 SPRING VISTA DRIVE
DEBARY Florida 32713**

County: **VOLUSIA**

License Mailing:

LicenseLocation:

License Information

License Type: **Registry**

Rank: **Registry**

License Number: **27392**

Status: **Current**

Licensure Date: **03/23/2007**

Expires:

Special Qualifications **Qualification Effective**

Alternate Names

[View Related License Information](#)

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2601 Blair Stone Road, Tallahassee FL 32399 :: Email: **Customer Contact Center** :: Customer Contact Center: 850.487.1395

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However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public.

TRAFFIC ENGINEERING DATA SOLUTIONS, INC.

Number of Records Returned: 1

Selection Criteria:

Vendor : TRAFFIC ENGINEERING DATA SOLUTIONS INC

Vendor Name: TRAFFIC ENGINEERING DATA SOLUTIONS INC

DBE Certification: CERTIFIED

MBE Certification:

DBA:

Former Name:

Business Description: TRANSPORTATION ENGINEERING BUSINESS SPECIALIZING IN TRAFFIC ENGINEERING

Mailing AddressJ: 80 SPRING VISTA DRIVE
DEBARY, FL 32713-

Contact Name: DEANNA FERRELL

Phone: (386) 753-0558

Fax: (386) 753-0778

Email: DFERRELL@TEDS-FL.COM

ACDBE Status: N

Statewide Availability: Y

Certified NAICS

541690 Other Scientific and Technical Consulting Services

Run on : 03/09/2020

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WALSH, CHRIS J.

285 PALMETTO SPRINGS STREET
DEBARY FL 32713

LICENSE NUMBER: PE57626

EXPIRATION DATE: FEBRUARY 28, 2023

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MIMS, ALEXANDER TEAL

474 WOODFORD DRIVE
DEBARY FL 32713

LICENSE NUMBER: PE77095

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CRIGGER, COLLEEN THERESE

5769 AUTUMN CHASE CIR.
SANFORD FL 32773

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FERRELL, FRED DALE

32523 HAWKS LAKE LANE
SORRENTO FL 32776

LICENSE NUMBER: PE41902

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ANDERSON, MERLYNN ORSON

3950 FLOWERING STREAM WAY
OVIEDO FL 32766

LICENSE NUMBER: PE83096

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HALE, MIKAL REED

310 QUAY ASSISI
NEW SMYRNA BEACH FL 32169

LICENSE NUMBER: PE58048

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MORROW, RICHARD BRIAN

1108 CALDWELL AVENUE
ORANGE CITY FL 32763

LICENSE NUMBER: PE54697

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AGRUSA, ROBERT

8506 ACORN RIDGE COURT
TAMPA FL 33625

LICENSE NUMBER: PE43846

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NAREA, SERGIO ENRIQUE

450 BRIARBROOK WAY
DELAND FL 32724

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WILLIAMS, SUSANNE S

511 JOHN THOMAS AVE.
DELAND FL 32724

LICENSE NUMBER: PE49486

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SURRATT, TRISTAN ADAM

616 ARBOR LAKES CIRCLE
SANFORD FL 32771

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PERSAUD, VISCHAL

635 NORTHLAKE BLVD
ALTAMONTE SPRINGS FL 32701

LICENSE NUMBER: PE87389

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List no more than five projects which best illustrates qualifications relevant to the Solicitation. References must be less than five years old. LIST no more than two LAKE COUNTY GOVERNMENT PROJECTS (past, current, prime, and subcontractor) FIRST.

Traffic Engineering Data Solutions, Inc.

PROJECT NAME: Continuing Transportation and Traffic Engineering Services

Agency: Lake County

Address: 350 N. Sinclair Ave

City, State, Zip code: Tavares, FL 32778

Contact Person: George Gadiel, PE

Title: Traffic Engineering Supervisor

Email: ggadiel@lakecountyfl.gov

Telephone: 352-253-9092

Project Cost: 150,000 annually

Contract Start and End Dates: 2011-2022 (3rd Term began in 2018)

SCOPE of Project (list tasks, outlines or descriptions of items): Having served the County for more than ten (10) years, TEDS has provided a vast array of studies including intersection analyses, ALL-WAY STOP analyses, signal warrant analyses, safe-curve evaluations, speed studies, truck studies, and a school zone evaluation. TEDS also prepared crash analyses for CR 473, Lakeshore Drive, and Lake Louisa Road, studies that ultimately led to securing federal highway funds from FDOT for funding of safety-related improvements. TEDS has also prepared more than ten (10) signal designs as well as lighting design at a roundabout and a midblock crosswalk.

PROJECT NAME: Consulting Services for Professional Traffic Engineering and Transportation Planning

Agency: Volusia County

Address: 123 West Indiana Avenue

City, State, Zip code: Deland, FL 32730

Contact Person: Jon Cheney, PE

Title: Director

Email: jcheney@volusia.org

Telephone: 386-736-5938

Project Cost: \$85,000

Contract Start and End Dates: 2010-2023 (4th Term began in 2020)

SCOPE of Project (list tasks, outlines or descriptions of items): Over the course of this contract, Traffic Engineering Data Solutions, Inc. (TEDS) has conducted various transportation engineering and planning tasks per the County's request. In response to pedestrian concerns along South Atlantic Avenue in the New Smyrna Beach, TEDS prepared engineering plans for three pedestrian signals. TEDS also developed parking restriction guidance for the County relative to midblock crosswalks. Ten (10) signal designs have been prepared for the County including Saxon Boulevard/Enterprise Road which required extensive coordination with the

power company due to extensive impacts with overhead lines. TEDS also prepared a road diet study for Ameila Avenue in DeLand (now currently under design) and a roundabout feasibility study for Pioneer Trail at Tomoka Farms Road following a fatality.

PROJECT NAME: Districwide Continuing Services for Traffic Operations

Agency: FDOT-District 5

Address: 719 S. Woodland Blvd.

City, State, Zip code: Deland, FL 32720

Contact Person: Jim Stroz, PE

Title: District Traffic Operations Engineer

Email: jim.stroz@dot.state.fl.us

Telephone: 386-943-5309

Project Cost: \$3,1000,000

Contract Start and End Dates: 2009-2024 (3rd term began in 2019)

SCOPE of Project (list tasks, outlines or descriptions of items): Over the past ten years, Traffic Engineering Data Solutions, Inc. has provided FDOT with various traffic-operational/safety studies and plan preparation.

PROJECT NAME: Continuing Services for Traffic Engineering

Agency: City of New Smyrna Beach

Address: 2650 N. Dixie Freeway

City, State, Zip code: New Smyrna Beach, FL 32168

Contact Person: Brian Fields, PE

Title: Assistant City Manager/Director of Development Services

Email: bfields@cityofnsb.com

Telephone: 386-410-2836

Project Cost: \$64,000

Contract Start and End Dates: 2018-2022

SCOPE of Project (list tasks, outlines or descriptions of items): TEDS provided various traffic engineering srvcies. TEDS has provided traffic impact analysis review assistance for numerous developments. The City also used TEDS under this contract to develop a cost effective traffic calming concept for Cooper street (on beachside). TEDS also prepared a signal design for a new fire station, median modifications, and turn-lane adjustment.

RTQIGEV"PCOG<Vtcpur qtvcvkp"cpf "Vtchle"Gpi kpggtkpi "Ugtxlegu"

Ci gpe{ <Ek\ "qh"FGDct{."HN"

Cf f tguu<38"Eqmjo dlc"TF "

Ek\."Ucvg.\ k "eqf g<FGDct{."HN"54935"

Eqpcev'Rgtuqp<O cw'Dqgti gt."CÆR."NGGF "CR"

Vkrg<I tqy vj "O cpci go gpvF ktgevqt'Go ckn<o dqgti gtB f gdct{Qt " "

Vgrgr j qpg<5: 8/823/2425'Project Cost: \$107,458

Contract Start and End Dates: 2020-2023

SCOPE of Project (list tasks, outlines or descriptions of items): TEDS' services for the City of DeBary have ranged from traffic impact analysis review to improvement concept development to citywide transportation analyses and also include the development of engineering plans for roadway and trail improvements.