

Request for Statement of Qualifications RSQ 21-0525

Professional Engineering and Design Services for CR565/Villa City Road Safety Design

(FDOT) Local Agency Program (LAP) FM# 447609-1-38-01

"Our team brings a track record of collaboration and outstanding performance on over 20 relevant, local D.O.T. Projects. Perhaps more importantly, our team's professionals stand-ready, and available, to leverage our qualifications and unique project approach to assist Lake County in the successful design and implementation of this important public safety project."

-Nimesh Bhavsar



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TABLE OF CONTENTS

TAB A

REQUEST FOR STATEMENTS OF QUALIFICATIONS	1
ACKNOWLEDGEMENT OF ADDENDA FORMS	2-4
PROJECT APPROACH	5-15
PERIOD OF PERFORMANCE – PROPOSED COMPLETION SCHEDULE/FIRMS WILLINGNESS TO MEET LAKE COUNTY’S TIME REQUIREMENTS	16
OM ENGINEERING SERVICES, INC. PROOF OF PROFESSIONAL LICENSE	17
OM FDOT PREQUALIFICATION LETTER	18

TAB B

FIRM PROFILE FORM – ATTACHMENT 6	19
TEAM COMPOSITION FORM – ATTACHMENT 7	20-23
TEAM LICENSES	24
TEAM RESUMES – PROJECTS SIMILAR IN NATURE	25-29
PROPOSED SUBCONSULTANTS	30

TAB C

SIMILAR EXPERIENCE FORM – ATTACHMENT 8	31-33
RIGHT OF WAY SURVEYING AND MAPPING EXPERIENCE	34-35

TAB D

TRUTH IN NEGOTIATIONS CERTIFICATION	36
CONFLICT OF INTEREST	37-39
DRUG FREE WORKPLACE	40
CERTIFICATION REGARDING DEBARMENT	41
CERTIFICATION FOR DISCLOSURE OF LOBBYING ACTIVITIES	42
DISCLOSURE OF LOBBYING ACTIVITIES	43
PUBLIC ENTITY CRIMES FORM	44
PROFESSIONAL SERVICES COMMITMENT FORM	45-46
OM ENGINEERING SERVICES INC., CERTIFICATE OF INSURANCE	47-48
STATEMENT OF NO EXCEPTIONS	49



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Tab A



**REQUEST FOR STATEMENT OF QUALIFICATIONS (RSQ)
PROFESSIONAL ENGINEERING AND DESIGN SERVICES FOR
VILLA CITY ROAD SAFETY DESIGN**

RSQ Number	21-0525	Senior Contracting Officer	William Ponko
Proposal Due Date	May 18, 2021	Pre-Proposal Conference	Not Applicable
Proposal Time	3:00 p.m.	RSQ Issue Date	April 15, 2021
TABLE OF CONTENTS			
SECTION 1: General Information			Page 2
SECTION 2: Evaluation of Proposals			Page 8
SECTION 3: Preparation and Submittal of Responses			Page 13
SECTION 4: Requirements for any Contract Derived from this RSQ			Page 17
SECTION 5: Attachments			Page 21

At the date and time specified above, all proposals that have been received in a timely manner will be opened, recorded and accepted for consideration. The proposals will be available for inspection during normal business hours in the Office of Procurement Services thirty (30) calendar days after the due date.

The respondent hereby agrees to furnish the services pursuant to all requirements, specifications, and scope of services contained in this solicitation document, and further agrees that the language of this document will govern in the event of a conflict with his or her response. By my signature I certify that this response is made without prior understanding, agreement, or connection with any corporation, consultant, business entity, or person submitting a response for the services, and is in all respects fair and without collusion or fraud.			
THIS FORM MUST BE SIGNED TO BE CONSIDERED FOR AWARD			
COMPANY NAME: OM Engineering Services, Inc.		DATE: 5/18/2021	
MAILING ADDRESS: 621 East Washington Street, Suite 8		PHONE: 407-704-7815 FAX: 407-704-7816	
CITY: Orlando	STATE: FL	ZIP: 32801	
SSN OR FEDERAL TAX NO: 42-1677099	TITLE OF AUTHORIZED REPRESENTATIVE: President		
E-MAIL: Nimesh@omengineer.com	WEB URL: www.omengineer.com		
AUTHORIZED SIGNATURE: 	PRINTED NAME: Nimesh Bhavsar		

ATTACHMENT 5

ACKNOWLEDGEMENT OF ADDENDA

RSQ 21-0525

PROFESSIONAL ENGINEERING AND DESIGN SERVICES FOR
CR 565 VILLA ROAD SAFETY DESIGN

INSTRUCTIONS: Complete Part I or Part II, whichever applies and company name and date.

Part I:
The bidder must list below the dates of issue for each addendum received in connection with this RSQ: Addendum #1, Dated: <u>5/7/2021</u> Addendum #2, Dated: <u>5/14/2021</u> Addendum #3, Dated: _____ Addendum #4, Dated: _____
Part II:
<input type="checkbox"/> No Addendum was received in connection with this RSQ.

COMPANY NAME: OM Engineering Services, Inc.	DATE: 5/18/2021
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Note: Vendors are advised to visit our website at <http://www.lakecountyfl.gov> and register as a potential vendor. Vendors that have registered on-line receive an e-mail notice when the County issues a solicitation matching the commodity codes selected by a vendor during the registration process.

ADDENDUM NO. 1

21-0525

- Q8. Please confirm if we are required to follow the directions from the RSQ below, or to submit the proposal through the Solicitation Management Portal. Or both.
- R8. Refer to the Response1 from Question1.**
- Q9. Are we able to get a copy of the recent (or ongoing) Villa City Road Safety Study?
- R9. Refer to page 19 of the Solicitation, Section 1.1 Scope of Work.**
- Q10. The RFP states “Consultant shall create and prepare project deliverable Cad files utilizing AutoCAD. MicroStation files converted to AutoCAD shall not be acceptable.” I just want to confirm this requirement, as our work for FDOT is routinely completed in MicroStation and if we were selected it’s use could contribute to the County receiving deliverables in a format our staff is more accustomed to working with. This could help from a quality standpoint.
- R10. The work can be done in MicroStation, if at the end it is converted to be a workable ACAD file for the County. The County does not have MicroStation. Original work in ACAD is preferred.**

ACKNOWLEDGEMENT

Firm Name: OM Engineering Services, Inc.

I hereby certify that my electronic signature has the same legal effect as if made under oath; that I am an authorized representative of this vendor and/or empowered to execute this submittal on behalf of the vendor.

Signature of Legal Representative Submitting this Bid: *Nimesh Bhavsar*

Date: 5/11/2021

Print Name: Nimesh Bhavsar

Title: President

Primary E-mail Address: Nimesh@omengineer.com

Secondary E-mail Address: Fbianchi@omengineer.com

- Q6. How many public meetings does the county intend to host for this project?
- R6. There are no public meetings anticipated to take place under this solicitation**
- Q7. On page 8 of the RSQ #21-052, (Professional Engineering and Design Services for Villa City Road Improvement), Tab B, Bullet 1, Lake County is requesting a State of Florida Board of Professional Regulation License. Since the State of Florida has changed its rules and no longer issues paper licenses to businesses, what specifically would you like in lieu of this?
- R7. A certificate number or proof of a professional regulation license will be sufficient**
- Q8. For the following Forms, is it acceptable to recreate proposal documents with the same information? Firm Profile Form, Team Composition Form and Similar Experience Form.
- R8. The format of these forms is not to be altered**

ACKNOWLEDGEMENT

Firm Name: OM Engineering Services, Inc.

I hereby certify that my electronic signature has the same legal effect as if made under oath; that I am an authorized representative of this vendor and/or empowered to execute this submittal on behalf of the vendor.

Signature of Legal Representative Submitting this Bid: *Nimesh Bhavsar*

Date: 5/14/2021

Print Name: Nimesh Bhavsar

Title: President

Primary E-mail Address: Nimesh@omengineer.om

Secondary E-mail Address: Nimesh@omengineer.com



May 18th, 2021


Lake County Procurement Services
315 W. Main Street
Tavares, Florida 32778

Attn: Bill Ponko, Senior Contracting Officer
Lake County BCC, Office of Procurement Services

RE: Request for Statement of Qualifications RSQ 21-0525
Professional Engineering and Design Services for CR565/Villa City Road Safety Design
Florida Department of Transportation (FDOT)
Local Agency Program (LAP) FM# 447609-1-38-01

Mr. Ponko,

OM Engineering Services, Inc. (OME) is pleased to provide this Statement of Qualifications for the Professional Engineering and Design Services - Local Agency Programs (LAP) Design Services for the Florida Department of Transportation (FDOT) LAP Contract FM#447609-1-38-01. This project requires a well-coordinated Design Team to complete the necessary services. The OME Team has the experience and availability to support Lake County in administering this LAP Safety

project within the established schedule and budget. As outlined in **Section 2.2.1 – Minimum Qualifications** 

Tentative Project Schedule	
Begin Project (or NTP to Executed Engineering/Planning Firm Contract)	January 9, 2022
30% Plans	May 31, 2022
60% Plans	November 30, 2022
90% Plans	April 30, 2023
Final Plans	August 31, 2023

OME is pleased to provide Lake County with the following response to RSQ 21-0525 CR565/Villa City Road Safety Design project.

Project Team

PRIME	OM Engineering Services, Inc	<ul style="list-style-type: none"> 3.1 Minor Highway Design 4.1 Miscellaneous Structures & Minor Bridge design 7.1 Signing Pavement Marking & Channelization 7.2 Lighting (if required)
Subconsultants	Southeastern Survey and Mapping Company (SSMC) & ECHO UES, Inc. (ECHO)	<ul style="list-style-type: none"> 8.1 Control Surveying 8.2 Design, Right-of-way & Construction Survey 8.4 Right-of-Way Mapping & Subsurface Utility Surveying
	Tierra, Inc. (Tierra)	<ul style="list-style-type: none"> 9.1 Soil Exploration 9.2 Geotechnical Classification Lab Testing 9.4 Standard Foundation Studies
	Breedlove Dennis & Associates, Inc. (BDA)	<ul style="list-style-type: none"> Environmental, Endangered Species and Wetland Identification & Analysis
	Quest Corporation of America (QCA)	<ul style="list-style-type: none"> Website and public involvement tasks



The OME team looks forward to presenting to the Lake County Selection Committee our detailed project approach and highlighting the value that the OME team brings to the Villa City Project, including:

- A Project Manager with familiarity and experience with Lake County & committed to this project.
- Available project staff in OME's Orlando office encompassing all needed disciplines for this project.
- A proven track record in the successful designs of major/minor roadway projects, traffic control designs, signing and pavement marking, utility coordination, structures, and lighting designs.
- OME team is committed to meeting Lake County's time and budget constraints.

Company Introduction

Established in 2005, OM Engineering (OME) is a full-service civil and structural engineering firm located in the heart of downtown Orlando, Florida. OME services are delivered with a focus on community betterment, environmental responsibility, and sustainability. Our ability to participate in the growth of the infrastructure throughout Florida is considered an honor and a significant responsibility to our community. In addition to offering a full complement of civil and structural design services, we offer both structural & construction management inspection services. **Mr. Nimesh Bhavsar, PE, FESI** the president & founder of OME has over 25 years of experience working with clients in both the private and public sectors. In addition to Mr. Bhavsar's credentials, our company personnel have a wide range of design and inspection experience in structural, civil/highway, stormwater, utilities, water resources, and specialty projects. The Villa city project will be spearheaded by Mr. Nimesh Bhavsar, PE and four senior engineers listed below, along with our support staff of junior engineers, CADD designers and subconsultants.

Mr. Rodger Schmidt P.E., as the lead roadway design engineer, brings nearly 40 years of experience in the transportation engineering field to the CR565/Villa City Road Safety Design project. His experience includes designing and managing major/minor highway design projects, project engineering for planning analyses related to geometrics, office, and field personnel supervision. This experience encompasses roadway design and plans preparation, signing and pavement marking, traffic control, design surveys, utility coordination, structures, and right-of-way acquisition maps. He is a veteran Roadway Design Engineer with expertise in client and agency coordination.

Mr. Sam Deeb, P.E., will lead any structure design efforts and has over ten years of experience designing and analyzing various structure designs. His expertise includes design, detailing, and analysis of concrete and steel bridges, mast arm/sign structures, retaining walls, strain poles, and reinforced concrete box culverts.

Mr. Dhruv Bansal, P.E., will perform all utility coordination, preparation of utility work schedules, and closeout certification for all impacted utilities. His expertise includes identifying utility routes/corridors, the design of water mains, gravity sewers, and force mains.

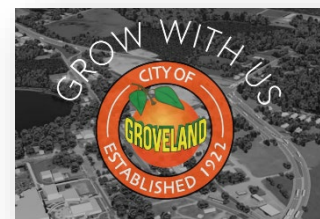
Dr. Chang Jin, P.E. (Charles) has 28 years of experience in hydrology & hydraulics, water resources, watershed modeling, stormwater retrofit, drainage design and permitting for roadways (including collection systems, ditches, culverts, and reports for drainage design documentation), FEMA Digital Flood Insurance Rate Map (DFIRM), and water quality monitoring. He has published over 50 peer-review academic papers in such journals as *Water Resources Research*, *Transaction of ASAE (American Society of Agricultural Engineer)*, and *International Journal of Sediment Research*.



Project Approach and Understanding

This proposal addresses the professional engineering services for the final design and construction plan preparation for the variable width travel lane widening and 8-foot (4-foot paved) shoulder widening and safety improvements along 7.11 miles of CR565/Villa City Road, from 603-feet north of SR50 to 300-feet south of US27. We will develop the final construction design plans based on the recommended improvement concepts depicted in the FDOT District 5 Traffic Operations Department CR565 (Villa City Road) Safety Analysis Study dated February 2020 and approved by the Board of Lake County Commissioners (BCC).

OME understands the objective of this project is to provide Lake County a set of construction bid documents for the pavement & shoulder widening at selected locations along the existing CR565/Villa City Road. The project will include safety edge treatments per the short & long-term improvement concepts listed in the Safety Report. Additional improvements include flashing beacons on advanced curve



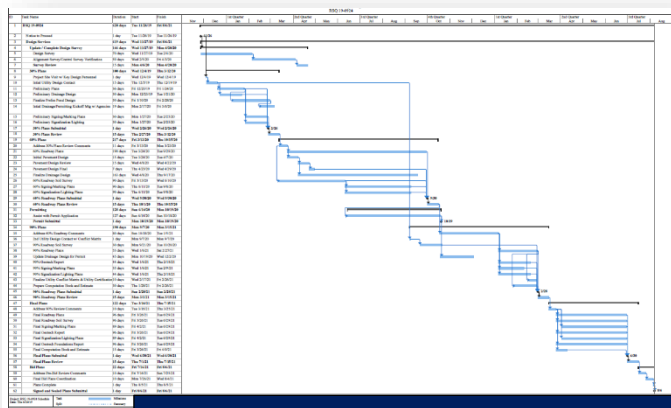
warning signs, new pavement markings, and selected new guardrail locations at Green Branch Blvd. and Lake Arthur Road to improve the overall safety and level of service on these sections of CR565/Villa City Road. OME Team is very familiar with the proposed safety design concept, collected data, and recommendations in the CR565 (Villa City Road) Safety Analysis Study. The following describes the management and technical approach the OME Team will use to meet the project’s goals and commitments while providing Lake County with a quality set of construction bid documents.

Administration/Management

Notice to Proceed / Status Meetings: Upon receipt of written authorization to proceed from Lake County, the OME project manager will coordinate and schedule a “Notice to Proceed (NTP) Meeting” with the Lake County project manager and staff. At this meeting, Lake County staff and critical members of the OME Team will discuss and set the final parameters for the project and formally initiate and clarify the final design scope of services.

Project Schedule: Following the NTP meeting, the OME project manager will submit for approval a detailed project schedule. The schedule will identify the team's approach to completing the final design and plans

preparation upon notice-to-proceed (see sample on left). Custom project schedule will be crafted upon NTP. The project schedule will note all primary and vital minor tasks, including their duration, task relationships; project status meetings with the Lake County project manager and staff; FDOT staff members involved in the project, Progress review submittals (30%, 60%, 90%, and 100% (Final) completion stages); milestones; and QA/QC Reviews. OME will update all significant deliverables indicated as essential milestones on the project schedule at each project status meeting. OME can complete all required deliverables on this project within the 599-day timeframe.



Sample Project Schedule



Cost Estimates / Construction Schedule: We will update the Safety Study cost estimate when the final Phase I (30%) improvements are complete and approved. OME will prepare a refined 30% cost estimate and more detailed cost estimates for Phase II, III, IV (60%, 90%, 100%), respectively, and the final signed & sealed submittals. All pay items and cost formats will comply with the FDOT cost estimating system. If pay items need to be input into the FDOT Designer Interface or AASHTOWARE, OME has the credentials to do this for the County. OME has access to historical and current bid costs for projects in the area from the FDOT historical prices. OME will also prepare an estimated construction time estimate to complete the construction services on the project with the final signed & sealed submittal.



Utility Coordination: Detailed and thorough coordination with the utility companies will be crucial to the final design. We will send construction plans at the 30%, 60%, 90%, and 100% review stages to all utility companies to review and confirm utility locations and potential impacts. The utility coordination on the Villa City Road safety design improvement project primarily involves coordination with the Utility Agencies and Owners (UAO) that own/operate the overhead electric distribution lines and potentially overhead fiber-optic lines. These overhead utilities cross and generally run parallel to Villa City Road and, for the most part, are located at the existing right-of-way line and should not be impacted by the project. OME has previous experience working with various overhead electric &

fiberoptic UAOs and will utilize our established relationship to achieve efficient and successful coordination. As for the underground improvements, if existing drainage systems require reconfiguration or modifications to accommodate the additional stormwater flows, OME will meet with all underground utility companies to obtain plans and approximate depth of cover for these utilities. Once the pavement and shoulder widening and reconstruction improvements are approved, we will check vertical elevations at potential conflict areas.

OME team member, ECHO, conducted an 811 inquiry to determine the existing potential utility companies within the project limits. Based on our 811 System inquiry and results of utility permit search within the project limits, there are potentially twelve (12) UAO Contacts within the project limits. To verify our findings, we will be conducting field reviews, phone and written contacts, and records searches. The identified Utility Owners and Agencies that are potentially involved are as follows (Agency | Type):

AT&T Florida Telephone	Bright House Networks dba Charter/Spectrum CATV
CenturyLink Fiber, Telephone	CenturyLink (fka L3) Fiber
City of Groveland Water, Sewer	City of Mascotte Storm, Water
Comcast CATV	Duke Energy Distribution Electric
Duke Energy Transmission Electric	Lake Apopka Natural Gas Natural Gas
Sumter Electric Cooperative Electric	Zayo Group (fka Lightwave) Fiber

Though not considered a utility, many community mailboxes at several intersection corners and individual side-of-the-road mailboxes may need to be slightly relocated depending on the proposed paved shoulder locations.



Survey/Right-of-Way Engineering

There are several “early action items” that will be prioritized within the project schedule. “Right-of-Way Activities” - The completion of the right-of-way survey and right-of-way mapping activities are necessary to confirm the proposed completed improvements are within the existing CR565/Villa City Road right-of-way. The design team will need this information early on for the roadway and drainage designs to proceed.

The CR565/Villa City Road Project is for design and safety improvements along an approximately 7.1 miles long corridor of Villa City Road from North of State Road 50 to South of US 27. The design improvements will include pavement widening and paved shoulders with safety edge along both sides of the roadway, resurfacing travel lanes, flashing beacons, pavement markings, guardrails at Green Branch Boulevard and Lake Arthur Road, and drainage analysis and modifications. SSMC, with assistance from ECHO, will provide the surveying services for this project and include topographic, above and below ground utility designation and verification, and verification of the existing right of way. SSMC’s and ECHO’s project approach will be multi-tasked. First, the safety project study for CR 565/Villa City Road, completed in February of 2020, will be reviewed, along with Lake County's "Expected Deliverable Guidelines" and a coordinated survey project schedule created and shared at the kickoff meeting. After receiving a Notice to Proceed, SSMC’s Project Managers, Edwin Munoz, Jr., PSM, and ECHO’s Eric Cain, PSM will gather the necessary crews and have an internal kickoff meeting to go over the scope of work and plan of attack. The field crews will begin by performing general reconnaissance along the corridor to recover monumentation and to assess the conditions to determine the best method for data collection. We will establish the following control, Horizontal Project Control (HPC) will be relative to Florida State Plane Coordinate System, Florida East Zone, North American Datum of 1983 (NAD83). Vertical Project Control (VPC) will be relative to the North American Vertical Datum of 1988 (NAVD88). Survey and Utility crews will begin performing their assigned tasks under the supervision of Licensed Surveyors. After fieldwork is complete, all data coming to the offices will undergo the first QC checkpoint for accuracy and correctness. A final

Topographic Survey and a Right of Way Identification Map will be created from the data and entered into SSMC’s and ECHO’s QC/QA process. After these maps have cleared all checks, we will send them to the client for review. Both SSMC and ECHO have a past relationship with the County survey staff, specifically on LAP projects in Lake County. They performed a design survey, right-of-way mapping, and SUE services for roadway and intersection safety improvements. Both SSMC and ECHO will conduct fieldwork implementing all the necessary Maintenance of Traffic per FDOT Standards and keeping the safety of the public and their field staff in utmost consideration. ECHO will coordinate with existing utility owners, designate, and locate utilities as directed by the Engineer of Record.

Geotechnical Investigations and Analysis: The subsurface conditions along the project corridor generally consist of relatively clean sands to silty sands (A-3/A-2-4) in the upper 6½ feet. We may encounter isolated areas of plastic soils (A-2-6/A-4/A-6/A-7) within the upper 2 feet of natural grades between the beginning of Segment 1 to approximately 400 feet north of James Place. Organic soils (A-8) may be encountered within the upper 2 feet of natural grades between approximately 400 feet north of James Place and 200 feet south of Lake Catherine Circle. Tierra will evaluate unsuitable soils (organic soils and shallow plastic soils) further during design; however, they are anticipated to be handled under standard removal and replacement using "select" material. Pre-development (natural) seasonal high groundwater table (SHGWT) levels throughout the alignment are generally reported to be encountered between 2 feet and greater than 6 feet below the natural ground surface. Isolated areas at several locations are encountered from above the natural ground surface to 1½ feet below the natural ground surface. Base clearance to SHGWT will be analyzed further during design, particularly for the planned outside pavement/shoulder widening improvements to assure proper clearance to avoid future base/pavement failures. In addition, drainage design will need to consider the effects the shallow groundwater levels will have on drainage design along portions of the alignment.



A geotechnical exploration program for the project will be performed following the FDOT Soils and Foundations Handbook, as required, to support the project design. The exploration program will include auger and SPT borings, as necessary to support the project. As required by FDOT guidelines for pavement widening projects, Borings spaced with additional borings in areas where organic soils or other unsuitable materials encountered will adequately define the limits of any possible subsoil excavation. The existing pavement will require pavement cores to assess the thickness and characteristics of the existing pavement layers. Alternatively, bulk sampling for Limerock Bearing Ratio testing may be needed to determine support characteristics of the likely subgrade soils. During the Soils Survey portion of the project design work, laboratory testing will be performed to verify visual classifications for each stratum encountered along the project alignment, characterize the soils for reuse according to FDOT Standard Plans, and determine each stratum's usability for use as project fill.

Roadway, Stormwater & Traffic Control Designs

Following the Notice to Proceed meeting, the OME Team will begin the work tasks required to design and prepare final construction plans and specifications for the CR565/Villa City Road pavement/shoulder widening and safety improvements project. OME will submit plan packages at Phase 1 (30%), Phase II (60%), Phase III (90%), Phase IV (100%), and (Final) design phases along with the FDOT and Lake County Review Submittal checklists. Each submittal will also include checked plans and computations following the OME Quality Assurance Procedures manual described below.

Roadway Design: Utilizing the existing collected surveyed data, right-of-way information, geotechnical and environmental considerations collected by our Team members, the OME Design Team will begin to finalize the roadway pavement/shoulder widening design utilizing the established CR565 (Villa City Road) Safety Analysis concepts shown in the report for the project. The existing roadway pavement/shoulder geometry and conceptual design will be re-established to the ground surveyed baseline and vertical control established for the project. The OME design team will

develop the proposed typical section(s) for the Villa City Road pavement/shoulder widening improvements for the two-lane undivided rural roadway. We will create additional typical section details, as needed, for any intersection improvements or milling/resurfacing details. We will develop a pavement design for the pavement/shoulder widening and resurfacing utilizing the FDOT Flexible Pavement Design Manual. The existing CR565/Villa City Road pavement has significant alligator cracking in the areas that have not been resurfaced recently. This may result from groundwater intrusion into the pavement base and reinforce our expectation of adequate vertical separation between the bottom of the pavement base and the estimated seasonal high groundwater level. Our geotechnical engineering study for this project will include soil borings to investigate the existing soil and groundwater conditions within the zone of influence beneath the pavement base.

Using these typical roadway sections and the existing horizontal and vertical geometry, the OME design team will create roadway cross-sections in the areas of



pavement/shoulder widenings to refine further the roadway safety improvements and any right-of-way requirements for the 30% design. The OME Team will then meet with the Lake County Project Manager and Staff to review the proposed typical sections, cross-sections, and right-of-way requirements for the proposed safety improvements. After incorporating the FDOT and County's review comments on the 30% design, OME will proceed to define further the Villa City Road pavement/shoulder widening improvements and any intersection improvements; signing & marking, utility relocation coordination, and maintenance of traffic plans and develop the 60%, 90%, 100%, and Final design phases respectively.



As an option to reducing the recommendation to reduce speed limits, the OME Roadway Design Team can redesign the existing horizontal curves 5, 6 & 7 locations to further enhance the recommendation in the FDOT Safety Analysis Report through these 3 horizontal roadway curves. These are the only plausible curves to re-align the roadway alignment based on the minimal property impacts. “No Passing Zones” limits will be re-evaluated should the Safety Report recommendations to reduce speed limits is implemented. Based on the Safety Analysis Report, the existing horizontal curves were driven at the posted speed on 55mph and found they do not meet the Manual of Uniform Traffic Studies (MUTS) criteria of 12 degrees. The intersection of the CR565/Lake Arthur Road intersection needs to be re-designed to improve safety and traffic operations at this location.

Bridge Design: The project consists of capacity improvements to the existing two-lane roadway; however, to improve roadway geometry to meet the current FDOT guidelines involves the upgrade of the existing bridge crossing at Palatka River to provide the driving public with a safer facility. The safety report suggests cosmetic remediation at the bridge, and they include striping and guardrail modifications. The long-term future typical section will accommodate two 12-foot through lanes with 4-foot shoulders (existing 9.5-foot lanes, 3.0-foot shoulders according to sheet G-12 concept plan). Still, contrary to the RSQ and scope included, the OM team recommends geometric adjustments will be necessary at the bridge since the existing lane widths and shoulders are substandard and to accommodate the new improvements and ADT’s, bridge widening or replacement is envisioned as the best path for public safety.

Moreover, bridge alternates, whether they will involve complete replacement or widening of the existing structure, will be evaluated at the concept stage to determine the most cost-efficient and viable structure enhancement for the site-specific conditions. Moreover, sufficient opening sizes to accommodate the vehicular and hydraulic flows and planar clearance requirements will be evaluated and upgraded to meet the Federal Highway Administration (FHWA) criteria FDOT. Note that adequate drainage structures and appropriate clear zone requirements on both sides of

the crossings will be evaluated and implemented. In addition, safe and efficient maintenance of traffic during construction and enhancement of vehicular operations shall be included in the designs wherever needed,

Stormwater / Permitting Design: The Villa City Road safety project intends to design 8-foot shoulders (4-foot minimum paved) with a safety edge along both sides of the roadway and resurfacing 12-foot travel lanes along with specific segments of the highway. Drainage modifications consist of the design and analysis of an interconnected drainage system and stormwater treatment facilities (ponds/swales) to treat stormwater from the impervious shoulder for a length of approximately 7.11 miles. Drainage work includes drainage analysis and calculation, design of drainage collection and conveyance systems, design of stormwater treatment ponds/swales, bridge hydraulic analysis (BHA) for the bridge/culvert passing over Palatka River, flood

plain compensation for a couple of locations (Villa City Road passes through three FEMA Flood Zone AE area: (1) section about 400 ft north of James Place; (2) section south of Kjellstrom Lane and north of Pleasure Grove Lane; (3) section north of Sunshine Bridge Blvd and south of Green Branch Blvd), Environmental Resource Permit (ERP) application, and design of erosion control plan.

ME’s drainage team will first investigate and evaluate the existing drainage system and analysis the additional treatment needs to meet the stormwater requirement. Multiple alternative stormwater treatment ponds/swale and locations will be identified and recommended to the County. Once approved by the County, calculation, and design will be processed following the general schedule of the project. In drainage design and analysis, OME follows the design standard of Lake County, St John River Water Management District (SJRWMD), and FDOT. FDOT’s GeoPAK program will be an effective tool in drainage design. Soil type and hydrological condition, site



FEMA flood zone in the Villa City Road north of James



environment, subsurface condition, and right of way are significant considerations in pond/swale configuration and type selection. Depending upon the soil hydrologic type and County's preference, ponds will be designed either as dry detention ponds or wet retention ponds. Pond's depth, side slope, fence, etc., will follow Lake County's standard. We will determine the size of the pond by using the ICPR model by simulating the difference between pre-development and post-development stormwater amounts. OME will provide the County floodplain and compensation maps at a scale acceptable to the County. We will show typical sections of each area of the floodplain for at least two axes of the area. A cross-section of all pipes crossing under the roadways will be provided. We will develop a Stormwater Pollution Prevention Plans (SWPPP) for construction purposes. Our detailed plan to Lake County at a scale acceptable to the County. For the bridge/culvert passing through the Palatka River, OME will prepare a detailed Bridge Hydraulics Report (BHR). In preparing BHR, OME will use the ICPR model to simulate the stormwater discharges of different frequencies. The hydrology, hydraulics, and bridge scour analysis will be presented in the BHR report. If scour analysis found that protection is needed, OME's bridge team will design necessary protection measures.

An ERP permit will be prepared and submitted to SJRWMD when completion of 60% design. Before preparing the application, OME's drainage team will meet with the SJRWMD's permit department staffs to discuss the procedure and material application request. Meeting minutes, the progress of the application will be reported to the County regularly. Other permits, such as permit from Army Corps of Engineers, FDEP, FDOT connection permits, NPDES permit package, Florida Fish and Wildlife Conservation Commission, US Fish and Wildlife Service, dewatering permits, and any other deemed necessary permits will be prepared following the same procedure and timeline of the ERP permit.



National Wetlands Inventory in Villa City Road north of James Place

Traffic Control / MOT Design: The OME Team thoroughly recognizes the importance of a comprehensive traffic control plan for the proposed CR565 (Villa City Road) Safety Improvement project. The traffic control plans will play a critical role in enhancing the worksite's safety during construction, particularly to Lake County staff and the contractor's personnel. An essential element of the traffic control plans is the need to recognize the high-speed nature of traffic on Villa City Road, with many motorists traveling at the posted speed limit (40-55 mph) or higher. Accordingly, we must develop the plans with appropriate warning signs, pavement transitions, and other measures to address the prevailing travel speeds in the Villa City Road corridor. A general recommendation of the safety analysis is to lower the existing 55mph posted speed limits to 40mph. If this were implemented, it would assist in the MOT for the improvements.

Constructability, maintaining existing traffic, and providing access to adjacent properties during construction is always a key design element when improvements to an existing section of roadway are required. In reviewing the recommended travel lane pavement and shoulder improvements shown in the CR565 (Villa City Road) Safety Analysis concept exhibits, the construction of the proposed roadway pavement/shoulder sections will be adjacent to the existing Villa City Road travel lanes throughout the project. These outside shoulder areas will require special considerations for maintaining traffic during construction. The OME Team will prepare detailed maintenance of traffic (MOT) plans to ensure constructability and maintain traffic flows and property access along Villa City Road. MOT at the proposed US 27, Moon Lake Road, and several other development intersections will be vital to Lake County and the property access at these intersections.

OME anticipates that the proposed new pavement/shoulder widening construction can occur with minimal disruption to the motoring patrons on Villa City Road and the local roadway network. Construction equipment should adequately access the project site and anticipate minimal types of roadway construction activities. The OME team will establish and use the following general design criteria



in the preparation and design of safe and effective maintenance of traffic plans:

- We will maintain existing posted speed limits on Villa City Road and the local roadway networks where possible.
- Establish and maintain early coordination with Lake County Traffic Operations regarding the design and construction of the outside pavement/shoulder widening through the project corridor.
- Maintain the existing lane widths on Villa City Road in each direction during peak hours and at least one 10' wide lane maintained in each direction at all times on the local roadways. To provide separation of the work zones, we will utilize the necessary traffic control devices required due to the high posted speeds and safety precautions.
- Maintain capacity and access of the existing roadways during the construction, particularly during the peak travel hours. Accomplish this by trying to maintain the same number of travel lanes and designing detours to maintain travel speed and flow.
- Provide access for construction equipment and materials to and from the local roads to the work areas and staging areas.
- Minimize lane closures for the pavement/shoulder widening along Villa City Road and at the US 27 intersection improvements.
- Sequence any drainage construction to meet environmental permitting needs, as well as contractor needs, during construction.
- Identify and mitigate constrained work areas to avoid complicated and lengthy construction operations.
- Look for critical construction areas to assess the applicability of incentives/disincentives to speed up construction and minimize public inconvenience.

Traffic control for the pavement/shoulder widening consists of utilizing the FDOT Standard Plans 102-602 & 102-603 for single-lane closures during off-peak travel times. Traffic control at US 27 and development intersections will require site-specific traffic control plans.

Signing and Pavement Marking (S&PM) Design: Once the established pavement edges and all intersections' geometry for the proposed safety improvements have been approved, the OME Team will prepare signing & marking plans for the 60%, 90%, 100%, and Final design phase submittals. Signing and pavement marking design will be based on the recommendations listed in the SR565 (Villa City Road) Safety Analysis. A "No Passing Zone study will be conducted to determine the exact beginning and end of the new Passing Zone markings. We will specify reflective Pavement Markers (RPMs) for the new centerline pavement markings. Signing and Marking plans will be prepared to conform to the current Manual of Traffic Control Devices (MUTCD), FDOT Standards, and Lake County Standards guidelines.

Environmental / Permitting Services

Environmental Analysis: BDA has the expertise in natural systems ecology to environmental consulting in wetland delineation, assessment and mitigation planning; environmental permitting; wildlife and plant surveys; Threatened and Endangered (T&E) species surveys and regulatory agency coordination; habitat restoration; land management planning; water quality; and aquatic ecology. Each project will have site-specific goals and objectives, and, as such, each will require a distinct approach. They distinguish themselves from most organizations through their proven ability to harness a diversity of expertise to meet the needs of each project. They will work closely with Lake County, FDOT, and team members to ensure that their goals and requirements are satisfied. Their approach to this project will meet the County and FDOT's needs and expectations while complying with all governmental and permitting regulations. BDA personnel are well-trained to provide accurate wetland delineations, vegetation habitat assessments, hydrological assessments, mitigation planning, and land use planning. Their staff has applied their expertise to conduct environmental studies and analyses supporting land planning, permitting, habitat management plans, compliance, and T&E species consultations, including Section 7 and Section 10 of the Endangered Species Act. BDA has also provided testimony, including expert witness testimony, in many public forums, including administrative hearings,



public hearings, and federal and state court proceedings. Their permitting experience includes Section 10 and 404 permitting through the Department of the Army, Corps of Engineers, Environmental Resource Permitting through the water management districts and Florida Department of Environmental Protection, National Pollutant Discharge Elimination System permitting, local government permitting, Incidental Take Permits and Protected Species Management Plans including Habitat Conservation Plans. BDA has a technical support staff skilled in using GIS and CADD for mapping, reference, analyses, and permit tracking and has an extensive library of soils and vegetation databases and aerial photography. They approach projects with a client focus to meet the needs and expectations of the client and the project while complying with regulations. Communication is essential for completing the project needs and client expectations between the project manager, project team members, and the client. Overall management of the projects is provided by the principal-in-charge and project manager. Scientists are assigned based on project needs and scientist expertise. To facilitate communication, BDA assures the following: open and regular contact via telephone and electronic mail; participation in meetings and conference calls as scheduled and as needed; progress reports on work completed; flexibility and adaptability to respond to unexpected issues; timely responses; and attention to deadlines.

They will provide environmental support as needed for the professional engineering services for the Lake County Villa City Road Project, which may include the following services:

- Location of wetlands that may fall within the scope limits
- Environmental analysis to assist with design plans
- Ecological investigations and species surveys
- Environmental assessments in support of environmental permitting
- Environmental permitting coordination

Public Involvement Services

Quest Corporation of America (QCA) will provide any required public involvement tasks needed on the project. From their research, Villa City Road is an important connector that provides access for several residential neighborhoods from SR 50 to US 27. Their scope will identify all potentially impacted stakeholders, as well as potential concerns related to the project, and will seek to maximize the use of existing communication networks such as community groups, homeowner associations, schools, and local clubs to distribute project information and notices regarding public meetings. The two-lane roadway includes several sharp turns as it travels past large residential areas in the south and significant stretches of undeveloped land farther north. They understand the goal of the project is to increase safety along the corridor. QCA also understands that because this is a LAP project, public involvement activities will follow the Florida Department of Transportation's Public Involvement Handbook, as well as District Five preferences and practices.

Upon Notice to Proceed, they will prepare a Community Awareness Plan (CAP) to identify key stakeholders and potential issues and concerns and provide a strategy for successfully engaging all stakeholders in the project. The project may include one, two, or more public meetings. However, targeted outreach to the neighborhoods that may consist of smaller conferences and distribution of project information to property owners and tenants along the corridor may be most effective. QCA will compile a mailing list of all stakeholders and develop a database that will be used to track public involvement efforts, all comments and questions received, and the responses provided. They will complete a public involvement summary to document all activities. In addition to the communities that may be impacted by the project, other stakeholders for the project include Lake County, Lake County Fire Rescue, Lake County Sheriff's Office, Lake County Schools, City of Groveland, Groveland Fire Department, and Groveland Police Department.

Potential concerns related to this safety design project include the right of way, access concerns, and construction impacts such as noise, dust, and maintenance of traffic. Public meetings will be held



following the approved public meeting scope for this project. QCA will evaluate potential meeting locations to ensure accessibility and compliance with all federal, state, and local requirements and the Americans with Disabilities Act.

Quality Assurance/Quality Control:

The OME Team is committed to providing Lake County with a product that reflects a level of high quality, innovation, addresses constructability, and is cost-effective. We will develop a Quality Control (QC) Plan that considers the project's specific elements and



ensures the Quality control reviews are in the project schedule. The plan will include an outline of the QC team, including discipline and technical expert reviewers, and outline the specifics of the checking procedures. Included in the QC Plan will be copies of the quality process log, which documents the dates of all reviews and back checks before submittals, ensuring the County's assessments have been complete. Finally, the QC Plan will outline the document retention policy of the QC review plans and reports, so the documents are available for audit by the County or FDOT at any time. Frank Bianchi will serve as the QA/QC Manager for this project and will

Conclusion:

OME will provide plans and specifications that meet all applicable criteria, including AASHTO, FDOT LAP criteria, and Lake County standards. We will provide submittals at the 30%, 60%, 90%, and 100% review phases. Our extensive resources and roadway, structural, drainage, and permitting experience for rural/urban highways will allow us to complete the design within the 599-day schedule. OME's past and recent experience in coordinating SJRWMD, FDOT, and Lake County is invaluable to ensuring the timely and successful completion of this project. OME looks forward to the opportunity to provide our design services to Lake County and hopes you find our proposal and design team satisfactory. Should you have any questions about this proposal, or if we can be of any further assistance, please contact our office.

Prohibition against Contingency Fees Statement:

I, Nimesh Bhavsar, as an authorized agent of **OM Engineering Services, Inc.** warrant that **OM Engineering Services, Inc.** has not employed or retained any company or person, other than a bona fide employee working solely **OM Engineering Services, Inc.** to solicit or secure this agreement and that **OM Engineering Services, Inc.** has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for **OM Engineering Services, Inc.** any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this agreement.

Sincerely,

Nimesh J. Bhavsar, PE, OM Engineering Services, Inc.

be assisted by senior engineering staff. Additionally, the QA/QC review team will include team members reflecting each major design discipline. We also have specialty review team members to identify any project risks. The OME 6-step QC approach guides the checking process, comment resolution, backchecking, and every deliverable documentation. We also have access to provide constructability and biddability reviews. We use these individuals to verify that the proposed design is constructible and promotes construction efficiencies and real-world maintenance of traffic. This differentiating quality of the team reduces bid uncertainty and risk of claims once the project moves into construction.

Post Design Services (if required):

OME will provide shop drawing engineering services for all roadway, drainage, potential lighting, and structural component submittals. We will review the shop drawing submittals for conformance to project specifications promptly to meet construction schedules. All shop drawing submittals will be recorded in a tracking database and forwarded to the County for their records. If requested by the County, OME will provide construction administration assistance by performing engineering services, responding to any requests for information, and attending the Pre-Bid Construction Meeting and Pre-Construction Conference.



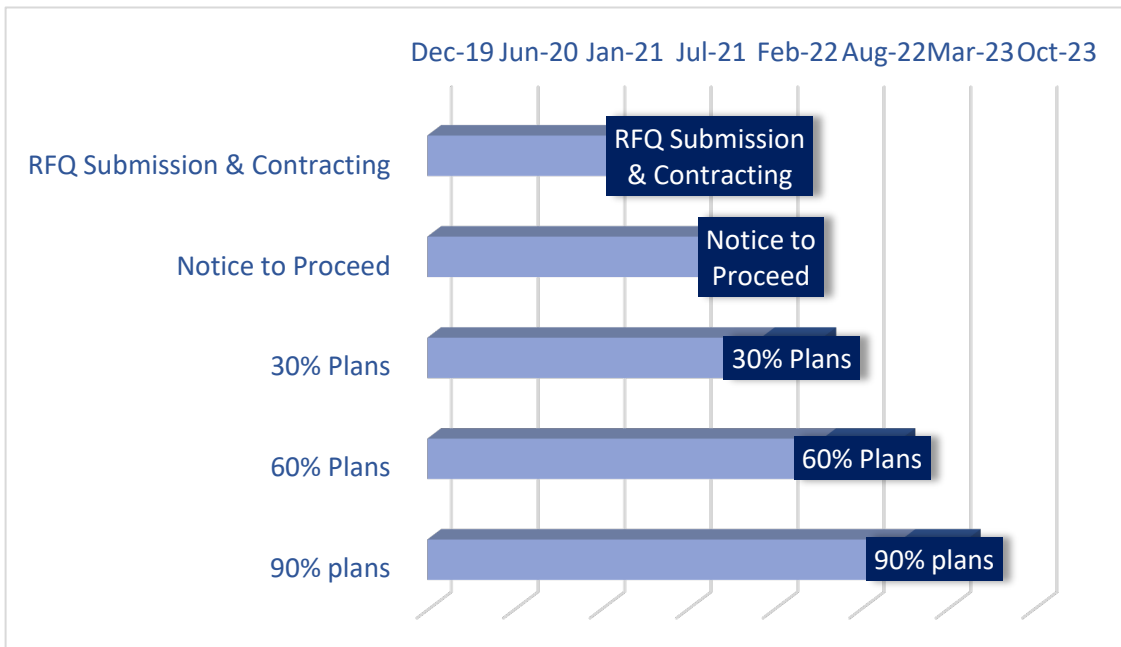
PERIOD OF PERFORMANCE

Period of performance: A proposed completion schedule shall be included in your response and shall follow the COUNTY’S final completion date. Services must begin upon written notification to proceed by the COUNTY. The final completion schedule for inclusion in any resulting contract may be negotiated. The overall services period for this project will terminate at such time that all of the services have been accepted as completed by the COUNTY and then remain in effect until completion of the expressed and/or implied warranty periods

Lake County’s Tentative Schedule:

NTP to Executed Engineering/Planning Firm Contract	January 9,2022
30% Plans	May 31, 2022
60% Plans	November 30, 2022
90% Plans	April 30, 2023
Final Plans	August 31, 2023

OM ENGINEERING SERVICES PROPOSED COMPLETION SCHEDULE



Firm’s willingness to meet our time requirements

OM Engineering Services is committed to meeting the time requirements as outlined in the above “Period of Performance) and as responded to within the Project Approach. Our firm will be dedicating personnel and collaborating with subconsultants to closely project manage and deliver all accountabilities as identified in the project approach and in adherence to the RSQ.

2020 FLORIDA PROFIT CORPORATION ANNUAL REPORT

DOCUMENT# P05000112910

Entity Name: OM ENGINEERING SERVICES, INC.

Current Principal Place of Business:

621 E WASHINGTON STREET
SUITE 8
ORLANDO, FL 32801

Current Mailing Address:

621 E WASHINGTON STREET
SUITE 8
ORLANDO, FL 32801

FEI Number: 42-1677099

Certificate of Status Desired: Yes

Name and Address of Current Registered Agent:

BHAVSAR, NIMESH J
520 RICHMOND ST
ORLANDO, FL 32806 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE: _____

Electronic Signature of Registered Agent

_____ Date

Officer/Director Detail :

Title P
Name BHAVSAR, NIMESH J
Address 520 RICHMOND ST
City-State-Zip: ORLANDO FL 32806

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 607, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: NIMESH BHAVSAR

PRESIDENT

01/23/2020

Electronic Signature of Signing Officer/Director Detail

Date



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

September 3, 2020

Nimesh Bhavsar, President
OM ENGINEERING SERVICES, INC.
621 East Washington Street, Suite 8
Orlando, Florida 32801

Dear Mr. Bhavsar:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 3 - Highway Design - Roadway
 - 3.1 - Minor Highway Design
 - 3.2 - Major Highway Design
 - 3.3 - Controlled Access Highway Design
- Group 4 - Highway Design - Bridges
 - 4.1.1 - Miscellaneous Structures
 - 4.1.2 - Minor Bridge Design
- Group 5 - Bridge Inspection
 - 5.1 - Conventional Bridge Inspection
 - 5.4 - Bridge Load Rating
- Group 7 - Traffic Operations Design
 - 7.1 - Signing, Pavement Marking and Channelization
 - 7.2 - Lighting
 - 7.3 - Signalization

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. Your firm may pursue projects in the referenced work types with fees estimated at less than \$500,000.00. This status shall be valid until September 3, 2021 for contracting purposes.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell
Professional Services
Qualification Administrator

18



**OM ENGINEERING
SERVICES, INC.**
Civil • Structural • Inspections

Tab B

ATTACHMENT 6

FIRM PROFILE FORM

<p>1. Firm Name and Primary Corporate Address OM Engineering Services, Inc. 621 East Washington Street, Suite 8 Orlando, FL 32801</p>	<p>1a. Licensed to do business in the State of Florida <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>1b. Registered to do business in the State of Florida <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>1d. Firm is <input type="checkbox"/> National <input type="checkbox"/> Regional <input checked="" type="checkbox"/> Local</p> <p>FEIN # <u>42-1677099</u></p>	<p>1c. Name, Title, Email, & Telephone Number of Principal to Contact Nimesh Bhavsar, President Nimesh@omengineer.com (407) 704-7815</p> <p>1e. Firm is a Certified Minority Business Enterprise <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>2. Please list the number of people by discipline that your firm will commit to the County's project.</p> <p>Drainage - 4 Roadway Design - 4 Signing and Marking - 3 Utility - 3 Signalization - 2 Lighting - 3</p>	



Licensee

Name: **OM ENGINEERING SERVICES, INC.** License Number: **26637**
 Rank: **Registry** License Expiration Date:
 Primary Status: **Current** Original License Date: **10/04/2005**

Related License Information

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
56861	Current, Active	BHAVSAR, NIMESH	Registry	10/04/2005	Professional Engineer	02/28/2023

ATTACHMENT 7

TEAM COMPOSITION FORM

Role	Name of individual assigned to the project	Florida Active Registrations Number
Principal-in-Charge	Nimesh Bhavsar, PE	PE56861
Sr. Roadway Lead	Rodger Schmidt, PE	PE40234
Structure Lead	Hisham, (Sam) Deeb, PE	PE44407
Sr. Drainage Lead	Dr. Chang, (Charles) Jin, PE	PE65622
QA/QC Reviewer	Frank Bianchi	
Expert Testimony Professional Surveyor		

Sub Consultants:

Role (i.e., Underground Utility Location, Environmental, GIS Mapping Services)	Company Name Handling this Project	Projected % of Over-All Work on Entire Project	Name of Individual Assigned to this Project	Firm Worked with prime before (Yes or No)	Individual Worked with prime before (Yes or No)
Environmental	Breedlove, Dennis & Associates	4%	Michael Dennis, Ph.D	Yes	Yes
Subsurface Utility Engineering, (SUE)	ECHO UES, Inc.	7%	Carlo Pilia	Yes	Yes

Are there any contractual agreements between the respondent (prime consultant) and any of the proposed sub-consultants? ____ yes no

If the answer is yes, the respondent shall attach, with their submittal, information describing the contractual relationship including a copy of any written contractual agreement.

ATTACHMENT 7

TEAM COMPOSITION FORM

Role	Name of individual assigned to the project	Florida Active Registrations Number
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Sr. Roadway Lead	Rodger Schmidt, PE	PE40234
Structure Lead	Hisham, (Sam) Deeb, PE	PE44407
Sr. Drainage Lead	Dr. Chang, (Charles) Jin, PE	PE65622
QA/QC Reviewer	Frank Bianchi	
Expert Testimony Professional Surveyor		

Sub Consultants:

Role (i.e., Underground Utility Location, Environmental, GIS Mapping Services)	Company Name Handling this Project	Projected % of Over-All Work on Entire Project	Name of Individual Assigned to this Project	Firm Worked with prime before (Yes or No)	Individual Worked with prime before (Yes or No)
Landscape Architect	Perry Becker Design	2%	David Perry, RLA, ASLA	Yes	Yes
Public Involvement	Quest Corporation of America	3%	Carolyn Fitzwilliam	No	No

Are there any contractual agreements between the respondent (prime consultant) and any of the proposed sub-consultants? ____ yes no

If the answer is yes, the respondent shall attach, with their submittal, information describing the contractual relationship including a copy of any written contractual agreement.

ATTACHMENT 7

TEAM COMPOSITION FORM

Role	Name of individual assigned to the project	Florida Active Registrations Number
Principal-in-Charge	Nimesh Bhavsar, PE	PE56861
Sr. Roadway Lead	Rodger Schmidt, PE	PE40234
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Expert Testimony Professional Surveyor		

Sub Consultants:

Role (i.e., Underground Utility Location, Environmental, GIS Mapping Services)	Company Name Handling this Project	Projected % of Over-All Work on Entire Project	Name of Individual Assigned to this Project	Firm Worked with prime before (Yes or No)	Individual Worked with prime before (Yes or No)
Surveying, ROW & Mapping	Southeastern Surveying	7%	Edwin Munoz Jr., PSM	Yes	Yes
Geotechnical	Tierra Consultants	5%	Jeremy Sewell, PE	Yes	Yes

Are there any contractual agreements between the respondent (prime consultant) and any of the proposed sub-consultants? ____ yes no

If the answer is yes, the respondent shall attach, with their submittal, information describing the contractual relationship including a copy of any written contractual agreement.



RSQ 21-0525

OM ENGINEERING SERVICES LICENSES

Ron DeSantis, Governor

STATE OF FLORIDA


FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

BHAVSAR, NIMESH
520 RICHMOND ST
ORLANDO FL 32806-0000

LICENSE NUMBER: PE56861
EXPIRATION DATE: FEBRUARY 28, 2023
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Ron DeSantis, Governor

STATE OF FLORIDA


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SCHMIDT, RODGER P
1088 RIVER BIRCH BLVD.
CRYSTAL LAKE IL 60012

LICENSE NUMBER: PE40234
EXPIRATION DATE: FEBRUARY 28, 2023
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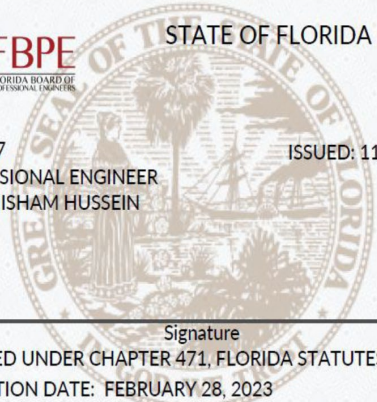
STATE OF FLORIDA

PE44407
PROFESSIONAL ENGINEER
DEEB, HISHAM HUSSEIN

ISSUED: 11/03/2020

Signature

LICENSED UNDER CHAPTER 471, FLORIDA STATUTES
EXPIRATION DATE: FEBRUARY 28, 2023



Ron DeSantis, Governor

STATE OF FLORIDA


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FLORIDA BOARD OF PROFESSIONAL ENGINEERS

BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

JIN, CHANG-XING
4846 CAINS WREN TRAIL
SANFORD FL 32771

LICENSE NUMBER: PE65622
EXPIRATION DATE: FEBRUARY 28, 2023
Always verify licenses online at MyFloridaLicense.com

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EDUCATION

Bachelor of Science, Civil Engineering, University of Florida, 1993

REGISTRATIONS

Professional Engineer, 56861, FL

ADDITIONAL COURSEWORK/TRAINING

Bridge Design, University of Central Florida, 1996

Advanced Steel Design, University of Central Florida, 1996

Masonry Lintel and Wall Design, University of Florida, 2001

FDOT Load Rating Seminar, November 2005

FDOT Design Conference, August 2006

Advanced Florida Building Code, January 2007

FDEP Stormwater Erosion and Sediment Control, June 2007

FDOT Advanced Traffic Work Zone, July 2012

COMPUTER/SOFTWARE SKILLS

STAAD Pro, STAAD, etc., RCPier, CONSPAN, FlaPier, Merlin-Dash, Descus I, Descus II, ATLAS, MathCad, Exel/Lotus/Quattro Pro, MsWord, GEOPAK, FB-Pier, and Microstation

PROFESSIONAL AFFILIATIONS

Florida Engineering Society
American Society of Civil Engineers,
Structural Board - East Central
Branch, Orlando Florida

PROFESSIONAL RECOGNITION

Young Engineer of the Year 2005,
Nominee E-Week

EXPERIENCE PROFILE

Nimesh Bhavsar is a Project Manager with over 25 years of experience, specializing in design and analysis of structures. Expertise includes design, detailing, and analysis of concrete and steel bridges, mast arm/sign structures, retaining walls, strain pole design, and reinforced concrete box culverts. Mr. Bhavsar has also established experience with conducting structural inspections and the design/construction of bridges. Examples of design and inspection work include overhead sign structures for FDOT District 1, 2, 7, 3, and 4, water control structures, water tanks, and bridges. Mr. Bhavsar's experience has involved geometric design using GEOPAK and production for sections and details of all components of a structure.

REPRESENTATIVE PROJECT EXPERIENCE

OM Engineering Services, Inc.

(2005-Current)

Kirkman Extension, Orlando, FL, Private Developer/ FDOT/ Orange County, Project Manager

OME designed the extension of Kirkman Road South, from Carrier Drive to Universal Boulevard at the existing intersection with Tradeshow Boulevard, approximately 1.7 miles for Universal Orlando in association with Orange County, FDOT, and local Utility Companies. OME was the acting prime consulting engineer and hired sub-consultants. OME scope included Drainage Design, Structural Design, Utility Coordination, Miscellaneous structures, and project management.

Sand Lake Widening, Orlando, FL, Prince Contracting, LLC, Project Manager

OME was responsible for developing modified maintenance of traffic plan sheets for Phase 2A construction of project 407143-5-52-01 and Phase 2 of project 407143-4-52-01, working alongside the contractor.

Sand Lake Widening, Orlando, FL, Private Developer, Project Manager

OME was responsible for developing plans for adding an additional right turn lane to an existing six-lane roadway. The right turn lane also served as an entrance to the adjacent property. Two existing 3-way intersections were also converted to 4-way intersections to serve the adjacent property owner. Four new mast arm signal structures and two new span wire signal assemblies. The four-mast arm structures utilized standard FDOT configurations. The span wire signal structures had spans of 265' and 276'. Structural design utilized the ATLAS program.

NE 36th Ave/NE 21st St. Mast Arms, Marion County, FL, Project Manager

Responsible for providing structural calculations and internal quality control (QC) for structural design and associated structural elements for four-mast arm signal structures at the intersection of NE36th Ave and NE 21st St using FDOT MastArm-LRFD program/ standard Excel sheets.

SR 417/Florida's Turnpike Interchange Ramp B1 over Town Center Boulevard, Orlando Orange County Expressway Authority (OOCEA), Orlando, FL, Project Manager

Responsible for the new ramp bridge for the turnpike interchange. The new ramp was a 147-ft single-span 60" FIB pre-stressed beams bridge designed according to FDOT Structures Design Manual and AASHTO LRFD Specifications.



EDUCATION

Bachelor of Science, Civil Engineering, University of Illinois at Chicago, 1981

Associate of Science, General Studies, College of Lake County, 1977

REGISTRATIONS

Professional Engineer, 40234, FL
Professional Engineer, 18302, NC

COMPUTER SOFTWARE SKILLS

Microsoft Office 365, Bluebeam, Microsoft Word, Microsoft Excel, Microsoft Outlook, Excel4apps, Knowledge of: Bentley MicroStation, Geopak, Civil 3D

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers, Member, 1989-2008
National Society of Professional Engineers, Member since 1989
Florida Engineering Society, Member since 1988

COURSE WORK/TRAINING

Planning/Design of Interchanges; Orlando-Orange County Expressway Authority (now Central Florida Expressway Authority), 1989
FHWA Highway Geometric Design, 1990
Plans Preparation Workshop; Florida Department of Transportation, 1990
Access Management Course

EXPERIENCE PROFILE

Rodger Schmidt is a Senior Engineer with more than 36 years of civil and transportation engineering experience that includes a variety of projects at many different levels of engineering. He has been a project manager and project engineer, responsible for preliminary and final designs and construction inspection of various civil and structural projects relating to transportation and public works projects. Mr. Schmidt's projects have included location and route studies, preliminary engineering report preparation (PD&E), light rail transit (LRT), highway alignments, roadway design and conceptual and final interchange design plans. He also supervised and managed the final design and preparation of contract and bid documents for new and rehabilitation of Interstate/Expressway/Major highway facilities.

REPRESENTATIVE PROJECT EXPERIENCE

OM Engineering Services, Inc.

(2019 – Present)

Kirkman Extension, Orlando, FL, Private Developer/ FDOT/ Orange County, Project Engineer

Designed the extension of Kirkman Road South, connecting Universal Boulevard at the existing intersection with Tradeshow Boulevard approximately 1.7 miles for Universal Orlando Parks and Resorts in association with Orange County, FDOT and local Utility Companies. OME was the acting prime consulting engineers and hired sub-consultants to complete an experience and knowledgeable project roadway team. Scope of Services included all design related services between the Concept Design Release for Construction Design Phase and Post Construction Design Contract, as well as submissions to all pertaining authorities having jurisdiction (AHJ). The scope also included site utility coordination of existing site utilities with respective vendors as well as the design and relocation of existing OUC water main and sanitary force main

SR 82, Lehigh Acres, FL, FDOT D1, Senior Engineer

Developed MOT plans and the design of temporary S&PM,

SR 710, Florida Department of Transportation (FDOT) District 1 (D1), Okeechobee, FL, Engineer of Record

The design of S&PM, the design of mast arm locations, signalization design, and other associated design components.

CDM Smith Senior Project Manager (2016 – 2018)

Wekiva Parkway (CR 46A Realignment) Section 5, Final Design, Lake County, FL, Florida Department of Transportation, District 5, Project Manager

CDM Smith is providing final and post design services for Section 5 of the new Wekiva Parkway (SR 429). Wekiva Parkway Section 5 is for the CR 46A Realignment from the CR 46/SR 429 interchange to the existing CR46A. The project consists of over 2 mi of new 4-lane divided roadway design, drainage, lighting, multiuse trail, signalization and extensive utility coordination. Mr. Schmidt's responsibilities included Project Management activities were implementing and managing the post design activities on the final design construction documents. The post design services include the responding to contractor's RFIs, shop drawing reviews, design plan revisions, attendance at Contractor's weekly meetings, construction site visits and other post design activities. His management responsibilities include developing project status reports and invoicing; scope and fee preparation for extra work; negotiations; staff supervision; client, CEI consultant; subconsultant coordination; and public involvement.



EDUCATION

Bachelor of Science, Civil Engineering, The Ohio State University, 1984
Master's of Science, Civil Engineering, Clemson University, 1985
Master's of Business Administration, Accounting, University of Phoenix, 2004

REGISTRATIONS

USA PE: 44407 FL, Georgia, Alabama, Mississippi, Texas, South Carolina, North Carolina, Tennessee, Indiana, Connecticut, Utah

CAN - PEng

British Columbia, Alberta, Ontario

ADDITIONAL COURSEWORK/TRAINING

-Certified by SCDOT for Seismic Design of Structural Systems.
-LRFD Superstructure-Substructure NHI course certification

COMPUTER/SOFTWARE SKILLS

STAAD Pro, STAAD etc., LEAP Bridge, MDX, MIDAS, Merlin-Dash, Descus I, Descus II, MathCad, MS Office, and Microstation

PROFESSIONAL AFFILIATIONS

-Member of American Society of Civil Engineers (ASCE)
-Member of American Concrete Institute (ACI)
-Member of American Institute of Steel Construction (AISC)
-Member of the Portland cement Institute (PCI)
-Member of American Railway Engineers (AREMA).
-Member of the National Council of Examiners for Engineers and Surveyors (NCEES) Examination Review Committee, Clemson, SC.

EXPERIENCE PROFILE

Hisham (Sam) Deeb has over 35 plus years of extensive experience in providing structural engineering services, quality assurance, cost controls and management to various clients across North America with a comprehensive portfolio of over hundred bridge design, maintenance and rehabilitation projects, which encompass waterway crossings and complex grade interchanges. Mr. Deeb was also involved with various pedestrian bridges that catered to the public and their aesthetic preferences as well as the sustainability of the structures. Mr. Deeb has accumulated many years of GDOT bridge design practice and has been the engineer of record for some of the most visible bridges in the Atlanta area, including SR 316/I-85 Interchange, 17th Street Bridge over I-75/I-85, and 14th Street Bridge over I-75/I-85.

His expertise in Value Engineering (VE) with various structural materials and applications amplify his abilities to effectively and innovatively produce the best alternative for any project; specifically, for maintenance and rehabilitation-based projects that require rapid mobilization, expeditious responses, aggressive schedules, various repair and advanced techniques, and solutions. Also, Mr. Deeb has been involved in fast track ABC and P3 /Design-Build projects that are fluid and require additional diligence for risk management as well as many conventional Design-Bid-Build projects that are more regimented and procedural; either expertise can be interchanged fully or partially to accommodate any specific project with special detailing or approach requirements.

With his versatility in structural, hydrological, materials, and geotechnical disciplines equips him with a unique skillset that benefits all clients. Mr. Deeb has the ability to manage these various disciplines and others to compile complete sets of preliminary and final design packages that conform to any DOT's PDP and Bridge Design Guidelines with broad measures of Quality Assurance and Control (QA/QC).

REPRESENTATIVE PROJECT EXPERIENCE

OM Engineering Services, Inc. (2020-Current) Universal Parks and Resorts, Orlando, Florida

Universal Project 963: Design the extension of Kirkman Road south, approximately 1.7 miles, connecting Universal Boulevard at the existing intersection with Tradeshow Boulevard for Universal Orlando Parks and Resorts in association with Orange County, FDOT and local Utility Companies. OME was the acting prime consulting engineers and hired sub-consultants Jacobs Engineering, VHB, FCA and DBA to complete an experienced and knowledgeable project roadway team. Scope of Services included all design related services from the Concept Design to Release for Construction and Post Construction Phases, as well as submissions to all pertaining authorities having jurisdiction (AHJ). Also, the scope included five prestress bridges and an elevated roundabout circular steel bridge with related roadway design and site utility coordination with respective vendors as well as the design and relocation of existing OUC water main and sanitary force main.



EDUCATION

Ph.D., Civil Engineering, Jointly Xi'an University of Technology and National University Ireland, Galway, Ireland, 1991

Master of Science, Computer Engineering, University of Minnesota, 2003

Master of Science, Civil Engineering, Xi'an University of Technology, 1986

Bachelor of Science, Civil Engineering, Xi'an University of Technology, 1983

COMPUTER/SOFTWARE SKILLS

MS-Office, ArcGIS, ArcHydro, GWIS Database, C++, FORTRIN, MATLAB, JAVA, and MATHEMATICA programming languages. ICPR, InfoWorks ICM, SWMM, PONDS, BASINS, SWAT, DRAINMOD model, etc.

PROFESSIONAL AFFILIATIONS

Florida Stormwater Associations

EXPERIENCE PROFILE

Dr. Jin has over 29 years of experience in hydrology, hydraulics, water resources, watershed delineation, drainage, and watershed modeling. Dr. Jin is an expert in using LiDAR data, ArcGIS, Geographic Watershed Information System (GWIS) geodatabase, ArcHydro, and watershed model ICPR watershed inventory, database building, basin delineation, and watershed model development. He has used ArcGIS, GWIS, ArcHydro, and ICPR models in four watershed master plan developments in Citrus County, Volusia County, City of New Smyrna Beach, City of Titusville etc. Dr. Jin also is good at model development. He helped South Florida Water Management District develop the FLOW program (a program used in calculating flow from various hydraulic structures, such as culverts, weirs, spillways, and pump stations), a protocol to calculate water balance in Stormwater Treatment Area (STA), and data QA/QC in DBHYDRO database. Dr. Jin has solid experience in water quality monitoring, Quality Assurance Program Plan (QAPP), hydrological and hydraulic data analysis, data QA/QC, TMDL, MFL, ERP, and BMAP. Currently, he is the lead engineer of OME's drainage team. He is responsible for drainage design, calculation, and environmental resources permit application.

REPRESENTATIVE PROJECT EXPERIENCE

OM Engineering Services, Inc. (2019-current)

Kirkman Extension-North Section, Orlando, FL, Private Developer/ FDOT/ Orange County, Senior Drainage Engineer

Responsible for roadway drainage design and ERP permit (SFWMD) application. He designed the drainage collection system and eight wet detention ponds for the intersection of Kirkman Road and Sand Lake Road in Orange County, Florida.

Kirkman Extension- Mid-Section, Orlando, FL, Private Developer/ FDOT/ Orange County, Senior Drainage Engineer

Responsible for roadway drainage design and ERP permit (SFWMD) application. He designed the drainage collection system and five wet detention ponds, and one dry retention pond for Kirkman Road from Sand Lake Road on the north to Universal Blvd on the south in Orange County, Florida.

East Central Regional Rail Trail Segment 4A Bridge, Volusia County, FL, Hydraulics Engineer.

Responsible for bridge hydraulics analysis for a mix-use trail bridge over Deep Creek (Lake Ashby Canal) and Deep Creek Diversion Canal in the City of Osteen, Volusia County, Florida.

Anderson and Moopen Orthodontics Development, Orlando, FL, Senior Drainage Engineer

Responsible for drainage design of the development side, including dry retention pond design, drainage calculation, and drainage system design.



EDUCATION

Associates of Science, Electrical Engineering, Chamberlayne College, 1983, Boston, Massachusetts.

COMPUTER/SOFTWARE SKILLS

Microsoft Word, Excel, AutoCAD, Prolog, PM Web.

EXPERIENCE PROFILE

Frank Bianchi is our Senior Project Director & Business Development with over 30 years of successful business in Mechanical, Electrical, Plumbing & Fire Protection design with specializing in electrical engineering design and general construction, design/build construction in conjunction with experience in site development, new construction, capital improvements and renovation of distressed projects nationwide and internationally. Proven leadership skills in Project & Construction Management, Projection Director, Design Management, Procurement, Pre-Construction and Construction of Projects; analyzing risk and determining budgets and schedules; maintaining key leadership roles in Mechanical, Electrical, Plumbing & Fire Protection design; establishing relationships with owners, architects, engineers, general contractors, subcontractors, and field workman; coordinating the project budget, construction schedules and on time and in-budget of project delivery, excellent computer, written and verbal communication skills as well as strong analytical and problem-solving skills. Understand what it takes to design, permit, buy out and construct the project from start to finish.

REPRESENTATIVE PROJECT EXPERIENCE

OM Engineering Services, Inc.

(2020-Current)

Kirkman Extension, Orlando, FL, Private Developer/ FDOT/ Orange County,

OME designed the extension of Kirkman Road south, connecting Universal Boulevard at the existing intersection with Tradeshow Boulevard approximately 1.7 miles for Universal Orlando Parks and Resorts in association with Orange County, FDOT, and local Utility Companies. OME was the acting prime consulting engineer and hired sub-consultants. Scope of Services included all design-related services between the Concept Design Release for Construction Design Phase and Post Construction Design Contract and submissions to all pertaining authorities having jurisdiction (AHJ). The scope also included site utility coordination of existing site utilities with respective vendors and the design and relocation of existing OUC water main and sanitary force main.

Volcano Bay Park – South Parking Garage/Tram Road Modifications & Lighting Design, Orlando, FL,

OME provided varying engineering support, including structural engineering, for Volcano Bay Park. Our responsibilities involved modifications to the South Parking Garage at Universal Studios Orlando to accommodate the Park. This included the structural design of new standalone structures within the parking garage (guest services building, employee support building, and four guest services kiosks), modifications of the existing parking garage slab for foundation support, modification/new construction of the parking garage sidewalls, banner pole design (external from the garage) and master arms design (external from the garage). Also, we provided the Lighting design for Tram Road, inside a private property. Design and Drawings were based on FDOT Design Criteria and Specifications.



RSQ 21-0525

PROPOSED SUBCONSULTANTS

Breedlove, Dennis & Associates, Inc. - Environmental

330 W. Canton Avenue
Winter Park, FL 32789
(407) 677-1882

ECHO Utility Engineering & Survey – Subsurface Utility Engineering, (SUE)

4803 George Road, Suite 350
Tampa, FL 33634
(888) 778 – 3246

Luke Transportation Engineering Consultants, Inc. – Traffic

29 East Pine Street
Orlando, FL 32801
(407) 423-8055

Perry Becker Design, LLC – Landscape Architect

3657 Maguire Blvd., Suite 150
Orlando, FL 32803
(407) 960-4850

Quest Corporation of America, Inc.

17220 Camelot Court, Suite 101
Land O' Lakes, FL 34638
(813) 926-2942

Southeastern Surveying & Mapping Corp. – Surveying, ROW Mapping, Mapping

6500 All American Blvd.
Orlando, FL 32810
(407) 292-8580

Tierra, Inc.

591 Susan B. Britt Court
Winter Garden, FL 34787
(407) 877-1354



**OM ENGINEERING
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Tab C

ATTACHMENT 8

SIMILAR PROJECTS FORM

Work by firm members which best illustrate current qualifications relevant to the County's project that have been/is being accomplished by personnel that shall be assigned to the County's project. List no less than three (3) but no more than ten (10) projects.

<u>Project Name & Location</u> Kirkman Road Extension, North Section Orange County, Orlando FL <u>Project Manager:</u> Nimesh Bhavsar		<u>Project Owners Name & Address</u> Universal Orlando Universal City Development Partners Ltd. 1000 Universal Studios Plaza, Orlando, FL 32819
<u>Completion Date (Actual or Estimated)</u> May 2021 - Design Completion Date		
<u>Estimated Cost (In Thousands)</u>		<u>Project Owner's Contact Person, Title, Email, & Telephone Number</u> Russ Dagon ,SVP russ.dagon@universalorlando.com~ 407-488-8041
Entire Project \$ 2,200,000.00 base design fee approx.	Work for which firm was/is responsible \$ 1,500,000.00	
<u>Scope of Entire Project (Please give quantitative indications wherever possible)</u> The Florida Department of Transportation/North (FDOT) section of the Kirkman Road Extension includes a 0.75 mi southern extension of the existing 6 lane Kirkman Road from its current terminus at Sand Lake Road/SR 482. The project involves converting the existing Sand Lake Road interchange to a single point urban interchange (SPUI), where Sand Lake Road will pass over the proposed Kirkman Road. The scope involved providing roadway, drainage, lighting, signals, signing & pavement marking, utility adjustment, landscaping, MOT and utility work by highway contractor plans. The structures scope included providing design and plans for 3 prestressed concrete bridges, permanent MSE walls and temporary sheet pile walls.		
<u>Nature of Firm's Responsibility in Project (Please give quantitative indications wherever possible)</u> OME was responsible for providing the PDS study initially and later on the design plans for this project. OME served as the prime consultant for the Owner and provided the drainage calculations/plans, utility adjustment plans, UWHC plans, lighting plans and the structures calculations/plans. OME handled all the coordination for permitting, environmental impacts and communication with various Utility agencies (UAO) within the project limits. OME developed all the plans using Microstation, implementing various standards from FDOT, AASHTO, AISC, ASCE and ACI.		
<u>Firm's Personnel (Name/Project Assignment) That Worked on the Stated Project that Shall Be Assigned to the County's Project</u> Nimesh Bhavsar, PE: Project Manager Sam Deed, PE: Structural Lead Rodger Schmidt: Roadway Lead Charles Jin, PE: Drainage Lead Dhruv Bansal: Site Utilities Frank Bianchi: QA/QC		

ATTACHMENT 8

SIMILAR PROJECTS FORM

Work by firm members which best illustrate current qualifications relevant to the County's project that have been/is being accomplished by personnel that shall be assigned to the County's project. List no less than three (3) but no more than ten (10) projects.

<u>Project Name & Location</u> Kirkman Road Extension, Mid Section Orange County, Orlando FL <u>Project Manager:</u> Nimesh Bhavsar		<u>Project Owners Name & Address</u> Universal Orlando Universal City Development Partners Ltd. 1000 Universal Studios Plaza, Orlando, FL 32819
<u>Completion Date (Actual or Estimated)</u> May 2021 - Design Completion Date		
<u>Estimated Cost (In Thousands)</u>		<u>Project Owner's Contact Person, Title, Email, & Telephone Number</u>
Entire Project \$ 2,800,000.00 base design fee approx.	Work for which firm was/is responsible \$ 2,000,000.00 approx.	Russ Dagon, SVP russ.dagon@universalorlando.com 407-488-8041
<u>Scope of Entire Project (Please give quantitative indications wherever possible)</u> The Orange County/Mid (OC) section of the Kirkman Road Extension includes a 1.08 mi roadway extension that is the continuation of the North Section of the Kirkman Road extension up until the existing intersection at Universal Blvd. and Tradeshow Road. The scope involved providing roadway, drainage, lighting, signals, signing & pavement marking, utility adjustment, and landscape plans. The structures scope included providing design and plans for a single two span prestressed concrete bridge, two multi-span steel girder bridges, and permanent MSE walls.		
<u>Nature of Firm's Responsibility in Project (Please give quantitative indications wherever possible)</u> OME was responsible for providing the PDS study initially and later on the design plans for this project. OME served as the prime consultant for the Owner and provided the drainage calculations/plans, utility adjustment plans, lighting plans and the structures calculations/plans. OME handled all the coordination for permitting, environmental impacts and communication with various Utility agencies (UAO) within the project limits. OME developed all the plans using Microstation, implementing various standards from FDOT, AASHTO, AISC, ASCE and ACI.		
<u>Firm's Personnel (Name/Project Assignment) That Worked on the Stated Project that Shall Be Assigned to the County's Project</u> Nimesh Bhavsar, PE: Project Manager Sam Deed, PE: Structural Lead Rodger Schmidt: Roadway Lead Charles Jin, PE: Drainage Lead Dhruv Bansal: Site Utilities Frank Bianchi: QA/QC		

ATTACHMENT 8

SIMILAR PROJECTS FORM

Work by firm members which best illustrate current qualifications relevant to the County's project that have been/is being accomplished by personnel that shall be assigned to the County's project. List no less than three (3) but no more than ten (10) projects.

<u>Project Name & Location</u> Turkey Lake Road and Wallace Road Intersection Improvements Orange County, Orlando, FL <u>Project Manager:</u> Nimesh Bhavsar		<u>Project Owners Name & Address</u> Universal Orlando Universal City Development Partners Ltd. 1000 Universal Studios Plaza, Orlando, FL 32819
<u>Completion Date (Actual or Estimated)</u> May 2017		
<u>Estimated Cost (In Thousands)</u> Entire Project \$ 75,000.00		<u>Project Owner's Contact Person, Title, Email, & Telephone Number</u> Russ Dagon SVP russ.dagon@universalorlando.com Office: 407-488-8041
	Work for which firm was/is responsible \$ 75,000.00	
<u>Scope of Entire Project (Please give quantitative indications wherever possible)</u> This project involved making modifications to an existing three-way intersection to add a fourth leg which served as an entrance to the client's property. The entrance served as an emergency/service entrance. For accommodating the entrance, several intersection improvements such as addition of signs/pavement markings, curb modifications, and regrading pavement were also performed.		
<u>Nature of Firm's Responsibility in Project (Please give quantitative indications wherever possible)</u> OME developed the intersection modification plans based on the City of Orlando's Engineering Standards Manual and FDOT Design Standards using AutoCAD. OME provided the calculations and developed plans for the custom foundations for the steel fence cantilever gates located at the entrance. The design used AISC Steel Manual 14th Edition and ASCE 7-10. OME also handled all permitting and coordination with various agencies.		
<u>Firm's Personnel (Name/Project Assignment) That Worked on the Stated Project that Shall Be Assigned to the County's Project</u> Nimesh Bhavsar, PE: Project Manager Dhruv Bansal: Site Utilities Frank Bianchi: QA/QC		



Right of Way Surveying and Mapping Experience

The **Southeastern Surveying and Mapping Corporation (SSMC)** team offers an expansive range of tools and experience. We have been working for FDOT since 1991 on a variety of contracts for FDOT **Districts 1, 2, 3, 4, 5, 7**, the **Turnpike**, and the **Central Office**, and during that time have completed over 1,200 jobs totaling over 66 million dollars. SSMC's understanding of multiple funding sources dates back to 2004, when we first started performing on **Local Agency Program (LAP)** projects. Our experience with multiple funding sources is demonstrated by the LAP projects listed below.

Based on our team's decades of FDOT experience, we know quality and responsiveness, often within an aggressive time frame, is of critical importance. SSMC commits to providing this high level of quality and responsiveness while ensuring our field teams and the public's safety are addressed through proper work zone safety and are monitored through a daily job hazard analysis. SSMC is qualified to work in the following FDOT Work Group categories:

- 8.1: Control Surveying
- 8.2: Design, Right of Way and Construction Surveying
- 8.3: Photogrammetric Mapping
- 8.4: Right of Way Mapping
- 13.7: Transportation Statistics

Michael "Mike" L. Dougherty, PSM has over **47 years** of Professional Surveying and Mapping experience. **Mike is a recognized Right-of-Way-Mapping expert in District 5.** Mike will serve as your SUR Project Manager for this Contract. Mike has completed many Right-of-Way Mapping Projects D- 5, FDOT. Mike's extensive experience has involved all aspects of Surveying and Mapping Services and has included the successful management of thousands of projects that have involved Control Surveys, R/W Surveys, R/W Mapping, and Legal Description Preparation, Design Topographic Surveys, Construction Layout, Survey Support for Aerial Photography and Mapping Projects.

Florida Department of Transportation Local Agency Program (LAP), as Sub-Consultant:

- Osceola County Carroll St. from John Young Parkway to Michigan Ave. Project Development and Environmental Study, Utility Designation/Location, Survey Collection 2017-Active
- City of Melbourne - Melbourne: Pineapple Ave. Street Design, Subsurface Utility Verification, Test Holes 2019
- Orange County – International Drive Transit Lanes - Phase II:
 - (2.8 mi +/-), Additional Subsurface Utility Verification 2019
 - (10,000 LF), Subsurface Utility Verification for Signal Mast Arms, Overhead Signs and Drainage Conflicts 2018-2019
- Flagler County – CR 304 Resurfacing and Roadway Safety Improvements Project (10.5 mi +/-), Performed Terrestrial Mobile LiDAR Survey, Established HV Control Stations 2017-2018
- Lake County – Roundabout at CR 19A at Eudora Rd/Old US 441, Subsurface Utility Designation using GPR and Location (Test Holes) using nondestructive vacuum excavation (3000 LF) 2016-2018
- Lake County – Roundabout at CR 19A at Eudora Rd/Old US 441, Subsurface Utility Designation using GPR and Location (Test Holes) using nondestructive vacuum excavation (3000 LF) 2016-2018
- Orange County – Vineland Ave. and SR 535 Intersection Improvement, Utility Location included performing Test Holes at specific proposed mast arm locations using Ground Penetrating Radar and nondestructive vacuum excavation. 2016-2018
- Osceola County – Simpson Road Widening (4.2 mi), PD&E Study, Control Survey 2018
- Seminole County – SR 436 at Grace Boulevard Mast Arms Conversion, Design Topographic Survey with Utility, Test Holes 2017-2018
- Seminole County – Wymore Rd. Improvements, Additional Topographic Survey, Utility: Prepared Descriptions/Sketches for (5) R/W Acquisitions and (8) Temporary Construction Easements; Order and Review Ownership and Encumbrances Title work; Performed Test Holes 2016-2018
- Lake County – Lake Wekiva Trail, From SR 46 to Hojin Street Segment 2 (3.1 mi), Design Survey, Right-of-Way Mapping, H/V Control, Utility Designation/Location 2017-2018
- Marion County – Belleview Bypass SE 92nd Loop, Supplemental Topographic Survey, Description/Sketch 2005-2017
- Volusia County – West Park Ave. Widening, Subsurface Utility Designation/Location (Test Holes anticipated 25) 2016-2017



Right of Way Mapping | Quality Assurance / Quality Control Plan:

SSMC will hold a Kick-off Meeting with all key team members of the team prior to beginning any of the Right of Way Mapping to ensure clear communication channels and ensure a clear project objective understanding. A project Surveyor and CAD Technician will be assigned to the project at this time. The project surveyor that is assigned to the project will become the QA/QC Manager for the project. However, in the case that his/her involvement in the drafting of the maps creates a conflict of interest, the project manager will assume the QA/QC Manager role for the project.

Once the Control Survey has been completed, and the approved right of way requirements are delivered to SSMC the assign CAD Technician will review for questions or concerns. This will be followed by the Project Surveyor and CAD Technician meeting to review the project, the Scope of Work, and discuss all concerns or potential issues. All issue's questions or concerns will be discussed with the project team for clarification to promote efficient workflow. The project surveyor will make a determination as to where and how to depict the property boundaries for those properties that will be affected by the proposed right of way acquisition. Once the Project Surveyor has made this determination, the CAD technician will begin mapping the parcels and proposed right of way, using the F.D.O.T. Mapping Standards and all revisions to the Standards as a guideline. When the CAD technician has the maps to a point that they feels is satisfactory, he/she will incorporate the F.D.O.T. District 3 R/W Map Checklist (Attached to this document) and ensure that all items that are applicable to this project have been depicted accurately on the face of the maps. The Technician will also plot all sheets and perform a self-checking review relative to Labeling, text arrangements, and clarity of information as shown.

The maps will then be handed off to the QA/QC manger. During the entire QA/QC process, the QA/QC manager will make a conscious effort to approach the process as an outsider performing a peer review. The QA/QC manager will first review the maps to ensure that the guidelines set forth in the F.D.O.T. Mapping Standards have been followed as intended. Next, the QA/QC Manager will check the maps to the Control Survey to ensure that items that are shown on the Control Maps have also been included on the R/W Maps and are accurately represented in kind with no changes. The QA/QC Manager will then compare the information on the maps to the GPK file to ensure that the geometry, measurements, and acreages along with parcel information that is depicted on the map matches what is stored in the GPK file. The QA/QC Manger will mark on the maps in red pen all errors, suggestions, or corrections that is discovered during the QA/QC process. At this time, the marked maps will be returned to the CAD technician by the QA/QC Manager. The QA/QC Manager will review the maps with the CAD technician, to discuss findings, and ensure that the CAD technician has a clear understanding of the mark-ups and a clear understanding of what corrective actions should be taken. The technician will then make the necessary changes to the maps. To ensure that nothing is missed, the technician will hi-lite each mark-up in yellow once the correction has been made.

After the technician has ensured that all mark-ups have been addressed, these maps will once again be handed off to the QA/QC Manager. At this point, the entire QA/QC process will be repeated. Said process will occur no less than 2 times for every Right of Way Map; but can occur as many times as deemed necessary by the QA/QC Manager or Project Manager to ensure the utmost of accuracy and quality on the submittal of the Maps to the F.D.O.T. agency Surveying and Mapping Department. Once the Surveying and Mapping Department has reviewed the map and made mark-ups of their own, the Project Manager, QA/QC Manager (if different from the project manager) and the CAD Technician will get together and review the comments and mark-ups that were made and discuss what corrective actions should be taken. Next, the CAD technician will make the necessary changes to the maps and hi-lite each mark-up in pink or orange once the correction has been made. When all corrections have been made, the QA/QC manager will review the corrected maps to the mark-ups to ensure that nothing was missed and that the correct adjustments were made. The corrected maps will then be re-submitted to the F.D.O.T. agency Surveying and Mapping Department for review and approval.



**OM ENGINEERING
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Tab D

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
TRUTH IN NEGOTIATION CERTIFICATION

375-030-30
PROCUREMENT
05/14

Pursuant to Section 287.055(5)(a), Florida Statutes, for any lump-sum or cost-plus-a-fixed fee professional services contract over the threshold amount provided in Section 287.017, Florida Statutes for CATEGORY FOUR, the Department of Transportation (Department) requires the Consultant to execute this certificate and include it with the submittal of the Technical Proposal, or as prescribed in the contract advertisement.

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Department determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Department, whichever is later.

OM Engineering Services, Inc., Nimesh Bhavsar, P.E.

Name of Consultant

By: 

5/17/2021

Date

CONFLICT OF INTEREST/CONFIDENTIALITY CERTIFICATION FOR CONSULTANT/CONTRACTOR/TECHNICAL ADVISORS

I certify that I have no present conflict of interest, that I have no knowledge of any conflict of interest that my firm may have, and that I will recuse myself from any capacity of decision making, approval, disapproval, or recommendation on any contract if I have a conflict of interest or a potential conflict of interest.

Consultants/Contractors are expected to safeguard their ability to make objective, fair, and impartial decisions when performing work for the Department, and therefore may not accept benefits of any sort under circumstances in which it could be inferred by a reasonable observer that the benefit was intended to influence a pending or future decision of theirs, or to reward a past decision. Consultants performing work for the Department should avoid any conduct (whether in the context of business, financial, or social relationships) which might undermine the public trust, whether or not that conduct is unethical or lends itself to the appearance of ethical impropriety.

I will maintain the confidentiality of all information not made public by the Florida Department of Transportation ("Department") related to the procurement of the above-referenced ("Project") that I gain access to as a result of my involvement with the Project ("Procurement Information"). I understand that Procurement Information includes, but is not limited to, documents prepared by or for the Department related to procurement of the Project. I also understand that Procurement Information includes, but is not limited to, documents submitted to the Department by entities seeking an award of the Project ("Proposers"). I understand that Procurement Information may include documents submitted by Proposers related to letters of response/letters of interest, technical proposals, price proposals, financial proposals, and information shared during exempt meetings. I also understand that Procurement Information may also include documents that evaluate or review documents submitted by Proposers, and information regarding Project cost estimates. I also agree not to discuss the Project with anyone who is a member of or acting on behalf of a Proposer.

Unless so ordered by a court of competent jurisdiction or an opinion of the Office of the Florida Attorney General, I will not divulge any Procurement Information except to individuals who have executed a Conflict of Interest/Confidentiality Certification which has been approved by the Department ("Project Personnel"). I understand that a list of Project Personnel will be maintained by Department. If I am contacted by any member of the public or the media with a request for Procurement Information, I will promptly forward such request to the Department's Procurement Office. I will also maintain security and control over all documents containing Procurement Information which are in my custody.

I agree not to solicit or accept gratuities, unwarranted privileges or exemptions, favors, or anything of value from any firm under consideration for an agreement associated with the Project, and I recognize that doing so may be contrary to statutes, ordinances, and rules governing or applicable to the Department or may otherwise be a violation of the law.

I agree not to engage in bid tampering, pursuant to Section 838.22, Florida Statutes.

I realize that violation of the above mentioned standards could result in the termination of my work for the Department. I further realize that violation of the above mentioned statute would be punishable in accordance with Section 838.22, Florida Statutes..

Advertisement No./ Solicitation No	Description	Financial Project Number(s)
21-0525	Professional Engineering and Design Services for Villa City Road Safety Design	447609-1-38-01

Each undersigned individual agrees to the terms of this Conflict of Interest/Confidentiality Certification.

Printed Names: Nimesh Bhanjari Signatures:  Date: 5/15/2021

Printed Names: Carlo Pilia, Vice President Signatures:  Date: 5/11/2021

Printed Names: J. Anthony Luke Signatures:  Date: 10 MAY 21 37

Printed Names: W. Michael Dennis, Ph.D. Signatures:  Date: 5/11/2021

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**CONFLICT OF INTEREST/CONFIDENTIALITY CERTIFICATION
 FOR CONSULTANT/CONTRACTOR/TECHNICAL ADVISORS**

375-030-50
 PROCUREMENT
 OGC - 1/20

I certify that I have no present conflict of interest, that I have no knowledge of any conflict of interest that my firm may have, and that I will recuse myself from any capacity of decision making, approval, disapproval, or recommendation on any contract if I have a conflict of interest or a potential conflict of interest.

Consultants/Contractors are expected to safeguard their ability to make objective, fair, and impartial decisions when performing work for the Department, and therefore may not accept benefits of any sort under circumstances in which it could be inferred by a reasonable observer that the benefit was intended to influence a pending or future decision of theirs, or to reward a past decision. Consultants performing work for the Department should avoid any conduct (whether in the context of business, financial, or social relationships) which might undermine the public trust, whether or not that conduct is unethical or lends itself to the appearance of ethical impropriety.

I will maintain the confidentiality of all information not made public by the Florida Department of Transportation ("Department") related to the procurement of the above-referenced ("Project") that I gain access to as a result of my involvement with the Project ("Procurement Information"). I understand that Procurement Information includes, but is not limited to, documents prepared by or for the Department related to procurement of the Project. I also understand that Procurement Information includes, but is not limited to, documents submitted to the Department by entities seeking an award of the Project ("Proposers"). I understand that Procurement Information may include documents submitted by Proposers related to letters of response/letters of interest, technical proposals, price proposals, financial proposals, and information shared during exempt meetings. I also understand that Procurement Information may also include documents that evaluate or review documents submitted by Proposers, and information regarding Project cost estimates. I also agree not to discuss the Project with anyone who is a member of or acting on behalf of a Proposer.

Unless so ordered by a court of competent jurisdiction or an opinion of the Office of the Florida Attorney General, I will not divulge any Procurement Information except to individuals who have executed a Conflict of Interest/Confidentiality Certification which has been approved by the Department ("Project Personnel"). I understand that a list of Project Personnel will be maintained by Department. If I am contacted by any member of the public or the media with a request for Procurement Information, I will promptly forward such request to the Department's Procurement Office. I will also maintain security and control over all documents containing Procurement Information which are in my custody.

I agree not to solicit or accept gratuities, unwarranted privileges or exemptions, favors, or anything of value from any firm under consideration for an agreement associated with the Project, and I recognize that doing so may be contrary to statutes, ordinances, and rules governing or applicable to the Department or may otherwise be a violation of the law.

I agree not to engage in bid tampering, pursuant to Section 838.22, Florida Statutes.

I realize that violation of the above mentioned standards could result in the termination of my work for the Department. I further realize that violation of the above mentioned statute would be punishable in accordance with Section 838.22, Florida Statutes..

Advertisement No./ Solicitation No	Description	Financial Project Number(s)
<u>21-0525</u>	<u>Professional Engineering Design for Villa City Road Safety Design</u>	<u>447609-1-38-01</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Each undersigned individual agrees to the terms of this Conflict of Interest/Confidentiality Certification.

Printed Names <u>Davis Perry</u>	Signatures 	Date <u>5-18-2021</u>
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Printed Names <u>Diane Hackney</u>	Signatures <u>Diane Hackney</u>	Date <u>5/10/21</u>
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Printed Names <u>Jeff Begovich, P.E.</u>	Signatures 	Date <u>May 11, 2021</u>
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**CONFLICT OF INTEREST/CONFIDENTIALITY CERTIFICATION
 FOR CONSULTANT/CONTRACTOR/TECHNICAL ADVISORS**

375-030-50
 PROCUREMENT
 OIG - 1/20

I certify that I have no present conflict of interest, that I have no knowledge of any conflict of interest that my firm may have, and that I will recuse myself from any capacity of decision making, approval, disapproval, or recommendation on any contract if I have a conflict of interest or a potential conflict of interest.

Consultants/Contractors are expected to safeguard their ability to make objective, fair, and impartial decisions when performing work for the Department, and therefore may not accept benefits of any sort under circumstances in which it could be inferred by a reasonable observer that the benefit was intended to influence a pending or future decision of theirs, or to reward a past decision. Consultants performing work for the Department should avoid any conduct (whether in the context of business, financial, or social relationships) which might undermine the public trust, whether or not that conduct is unethical or lends itself to the appearance of ethical impropriety.

I will maintain the confidentiality of all information not made public by the Florida Department of Transportation ("Department") related to the procurement of the above-referenced ("Project") that I gain access to as a result of my involvement with the Project ("Procurement Information"). I understand that Procurement Information includes, but is not limited to, documents prepared by or for the Department related to procurement of the Project. I also understand that Procurement Information includes, but is not limited to, documents submitted to the Department by entities seeking an award of the Project ("Proposers"). I understand that Procurement Information may include documents submitted by Proposers related to letters of response/letters of interest, technical proposals, price proposals, financial proposals, and information shared during exempt meetings. I also understand that Procurement Information may also include documents that evaluate or review documents submitted by Proposers, and information regarding Project cost estimates. I also agree not to discuss the Project with anyone who is a member of or acting on behalf of a Proposer.

Unless so ordered by a court of competent jurisdiction or an opinion of the Office of the Florida Attorney General, I will not divulge any Procurement Information except to individuals who have executed a Conflict of Interest/Confidentiality Certification which has been approved by the Department ("Project Personnel"). I understand that a list of Project Personnel will be maintained by Department. If I am contacted by any member of the public or the media with a request for Procurement Information, I will promptly forward such request to the Department's Procurement Office. I will also maintain security and control over all documents containing Procurement Information which are in my custody.

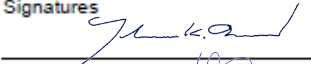
I agree not to solicit or accept gratuities, unwarranted privileges or exemptions, favors, or anything of value from any firm under consideration for an agreement associated with the Project, and I recognize that doing so may be contrary to statutes, ordinances, and rules governing or applicable to the Department or may otherwise be a violation of the law.

I agree not to engage in bid tampering, pursuant to Section 838.22, Florida Statutes.

I realize that violation of the above mentioned standards could result in the termination of my work for the Department. I further realize that violation of the above mentioned statute would be punishable in accordance with Section 838.22, Florida Statutes..

Advertisement No./ Solicitation No	Description	Financial Project Number(s)
RSQ#21-0525	Professional Engineering and Design Services for Villa City Road Safety Design	447609-1-38-01

Each undersigned individual agrees to the terms of this Conflict of Interest/Confidentiality Certification.

Printed Names	Signatures	Date
Thomas K. Mead, PSM, PLS		5-10-2021
Brian R. Garvey, PE, GISP		5-10-2021
Darryll DeMarsh		5-10-2021

DRUG-FREE WORKPLACE PROGRAM CERTIFICATION

In order to have a drug- free workplace program, a business shall:

(1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

(2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

(3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

(4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than 5 days after such conviction.

(5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.

(6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Does the individual responding to this solicitation certify that their firm has implemented a drug-free workplace program?

YES

NO

NAME OF BUSINESS: OM Engineering Services, Inc.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
INELIGIBILITY AND VOLUNTARY EXCLUSION-
LOWER TIER COVERED TRANSACTIONS FOR FEDERAL AID CONTRACTS**
(Compliance with 2 CFR Parts 180 and 1200)

375-030-32
PROCUREMENT
11/15

It is certified that neither the below identified firm nor its principals are presently suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

Name of Consultant: OM Engineering Services, Inc.

By: 

Date: 5/17/2021

Title: President

Instructions for Certification

Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

- a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.
- b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
- c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.
- d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).
- e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
- f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.
- g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.
- h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**CERTIFICATION FOR DISCLOSURE OF LOBBYING ACTIVITIES
ON FEDERAL-AID CONTRACTS
(Compliance with 49CFR, Section 20.100 (b))**

375-030-33
PROCUREMENT
10/01

The prospective participant certifies, by signing this certification, that to the best of his or her knowledge and belief:

(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 any federal 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 federal 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 of Lobbying Activities", in accordance with its instructions. (Standard Form-LLL can be obtained from the Florida Department of Transportation's Professional Services Administrator or Procurement Office.)

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.

The prospective participant also agrees by submitting his or her proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

Name of Consultant: OM Engineering Services, Inc.

By: Nimesh Bhavsar Date: 5/17/2021

Authorized Signature:  _____

Title: President


STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DISCLOSURE OF LOBBYING ACTIVITIES

375-030-34
 PROCUREMENT
 02/16

Is this form applicable to your firm?

YES NO

If no, then please complete section 4 below for "Prime"

1. Type of Federal Action: a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	2. Status of Federal Action: a. bid/offer/application b. initial award c. post-award	3. Report Type: a. initial filing b. material change For Material Change Only: Year: _____ Quarter: _____ Date of last report: _____ (mm/dd/yyyy)
4. Name and Address of Reporting Entity: <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: OM Engineering Services, Inc. 621 East Washington Street, Suite 8 Orlando, FL 32801 Congressional District, if known: 4c _____		5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: _____ _____ _____ Congressional District, if known: _____
6. Federal Department/Agency: _____ _____	7. Federal Program Name/Description: _____ _____ CFDA Number, if applicable: _____	
8. Federal Action Number, if known: _____	9. Award Amount, if known: \$ _____	
10. a. Name and Address of Lobbying Registrant (if individual, last name, first name, MI): _____ _____ _____	b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI): _____ _____ _____	
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature:  Print Name: Nimesh Bhavsar Title: President Telephone No.: 407-704-7815 Date (mm/dd/yyyy): 05/18/21	
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

ATTACHMENT 10

PUBLIC ENTITY CRIMES FORM

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to OM Engineering Services, Inc.
(print name of public entity)

By Nimesh Bhavsar, President
(print individual's name and title)

for OM Engineering Services, Inc.
(print name of entity submitting sworn statement)

whose business address is 621 East Washington Street, Suite 8, Orlando, FL 32801


and (if applicable) its Federal Employer Identification Number (FEIN) is 42-1677099

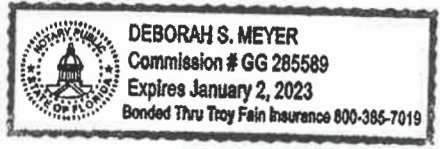
(if the entity has not FEIN, include the Social Security Number of the individual signing this sworn statement: .)

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and Involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

State of Florida
County of Orange

This record was acknowledged before me on 5/18/2021 by Nimesh Bhavsar as President who represents that he is authorized to act on behalf of OM Engineering Services, Inc.

Signature of notarial officer 
Stamp



My commission expires:

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
PROFESSIONAL SERVICES COMMITMENT FORM

375-030-83
 PROCUREMENT
 02/20

Submit this form as required in the Request for Proposal or alternatively, at the time of Expanded Letter of Response is due:

Contract/Advertisement No.:	0525	Prime Consultant:	OM Engineering Services, Inc.
Project Description:	Design Services for Safety Improvements along Villa City Road		

Expected percentage of contract fees to be utilized by DBE(s): 85 ____ %. (Combine DBE Prime and DBE subconsultants, if applicable).

Expected percentage of contract fees to be utilized by Non-DBE Small Businesses 15 ____ %. (Combine Non-DBE Small Business Prime and Non-DBE Small Business subconsultants, if applicable).

The proposed Prime and subconsultants/subvendors' work is as follows:

Prime	Type of Work <small>(List each type of work separately, only one type of work per line)</small>	% of overall contract amount	DBE	Small Business	Non DBE/ Non Small Business
OM Engineering Services, Inc.	3.1	63	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	4.1.1	3			
	7.1	5			
	7.2	1			
	Choose an item.				
	Choose an item.				
	Choose an item.				

Subconsultant/Subvendor	Type of Work <small>(List each type of work separately, only one type of work per line)</small>	% of overall contract amount	DBE	Small Business	Non DBE/ Non Small Business
Southeastern Survey & Mapping Company	8.1	2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Southeastern Survey & Mapping Company	8.2	2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Southeastern Survey & Mapping Company	8.4	3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ECHO UES, Inc.	8.1	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ECHO UES, Inc.	8.2	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ECHO UES, Inc.	8.4	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tierra, Inc.	9.1	2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tierra, Inc.	9.2	2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tierra, Inc.	9.4.1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Breedlove, Dennis & Associates, Inc.	Non-Professional Service Firm	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Quest Corporation of America	Non-Professional Service Firm	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perry Becker Design	15.0	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SEARCH	Non-Professional Service Firm	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/7/2021

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.

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.

Table with PRODUCER (Ames & Gough), CONTACT NAME, PHONE, FAX, E-MAIL ADDRESS, INSURER(S) AFFORDING COVERAGE, and INSURED (OM Engineering Services, Inc.) information.

COVERAGES CERTIFICATE NUMBER: 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.

Main table listing insurance coverages: A COMMERCIAL GENERAL LIABILITY, A AUTOMOBILE LIABILITY, B UMBRELLA LIAB, C WORKERS COMPENSATION AND EMPLOYERS' LIABILITY, D Professional Liab.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Professional Liability Aggregate Limit: \$4,000,000

RE: RSQ #21-0525, VILLA CITY ROAD SAFETY DESIGN - PROFESSIONAL ENGINEERING AND DESIGN SERVICES

Lake County, a Political Subdivision of the State of Florida, the Board of County Commissioners, and the Florida Department of Transportation are included as additional insured with respect to General Liability, Automobile Liability and Umbrella Liability when required by written contract.

SEE ATTACHED ACORD 101

Table with CERTIFICATE HOLDER (Lake County, Florida) and CANCELLATION (SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.)

**ADDITIONAL REMARKS SCHEDULE**

AGENCY Ames & Gough		NAMED INSURED OM Engineering Services, Inc. 621 E. Washington Street Suite 8 Orlando, FL 32801	
POLICY NUMBER SEE PAGE 1		EFFECTIVE DATE: SEE PAGE 1	
CARRIER SEE PAGE 1	NAIC CODE SEE P 1		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

Description of Operations/Locations/Vehicles:

non-contributory over any existing insurance and limited to liability arising out of the operations of the named insured and when required by written contract. General Liability, Automobile Liability, Workers Compensation and Umbrella Liability policies include a waiver of subrogation in favor of the additional insureds where permissible by state law and when required by written contract. Umbrella Liability coverage sits excess over General Liability, Automobile Liability and Employers Liability coverage. 30-day Notice of Cancellation will be issued for the General Liability, Automobile, Workers Compensation, Umbrella, and Professional Liability coverage in accordance with policy terms and conditions.



RSQ 21-0525

NO EXCEPTIONS