

Requisition Form

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

VENDOR NAME/ADDRESS TERRACON CONSULTANTS, INC.

8001 Baymeadows Way - Suite 1 Jacksonville, Florida 32256

96135 Nassau Place Suite 1 Yulee, FL 32097

DEPARTMENT Capital Projects

REQUESTED BY George Murray

								: Murray
ENDOR NUMBER	PROJECT NAME	FUNDING SOURCE		AMOUNT AVAILABLE	Е		O OR ENCUMBER ONLY	
	Pages Dairy Rd Pavement	Core 63470541-563100				Encumbe	Contract	CM3583-WA0
TEM NO.	DESCRIP	TION	QUANTITY	UNIT PRICE	AMOUNT			
	FIELD EXPLORATION		1.00	\$ 6,315.00	\$ 6,315.0	0		
2	LABORATORY TESTING		1.00	\$ 1,050.00	\$ 1,050.0	0		
3	PROFESSIONAL SERIVCE	ES	1.00	\$ 3,394.00	\$ 3,394.0	0		
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					\$ 0.00			
ORIGINAL - FIN COPY - DEPART			1	<u> </u>		Shipping Total		759.00

Purchasing Policy.

10/30/2024 Robert Companion

Office of Management and Budget (signature required if greater than \$1,000.00 for services or if greater than \$5,000 for goods)

I attest that, to the best of my knowledge, funds are available for payment. 10/30/2024

Procurement Director (signature required if greater than \$5,000.00)

<u>Cluris Lacambra</u>

I attest that, to the best of my knowledge, this requisition is accurate and necessary and is consistent with the Nassau County Purchasing Policy.

10/30/2024

County Manager (signature required if greater than \$100,000.00)

I attest that, to the best of my knowledge, the appropriate staff have reviewed and approved this Requisition and no other conditions would prevent approval.

10/30/2024

Date: 10/31/2024

NASSAU COUNTY WORK AUTHORIZATION #03

Contract Number:	CM3583
Consultant/Vendor:	Terracon Consultants, Inc.
Consultant/Vendor Contact Name:	Thomas Hallahan
Consultant/Vendor Contact Phone Number:	(904) 900-6474
Consultant/Vendor Contact Email Address:	Tom.Hallahan@terracon.com
Project Short Title:	Pages Dairy Road Pavement Cores
Total Amount of Previous Work Authorizations:	\$12,261.25
Amount of this Work Authorization:	\$10,759.00
New Contract Amount including this Work Authorization:	\$23,020.25
Funding Source:	63470541-563100 PDCII

This Work Authorization is issued pursuant to the Contract referenced above between Nassau County and the Consultant/Vendor for the following services:

ARTICLE 1. Description of Services. Consultant/Vendor shall provide the services as set forth in Exhibit "A", attached hereto and incorporated herein.

ARTICLE 2. Time Schedule. Consultant/Vendor anticipates the services to be completed pursuant to the time schedule contained in Exhibit "A", attached hereto and incorporated herein, or no later than twenty-one (21) days from the issuance of this Work Authorization. The parties agree that this Work Authorization shall be considered as the Notice to Proceed.

ARTICLE 3. Compensation. Consultant/Vendor shall be compensated for the services in detailed in Exhibit "A", attached hereto and incorporated herein, using rates previously established in the Contract referenced above.

ARTICLE 4. Other Provisions. This Work Authorization shall become a part of the Contract when executed by both parties. Any Work Authorization entered into prior to expiration or termination set forth in the Contract shall continue in effect through the earlier of: (i) the date all of the Services thereunder have been fully completed and accepted by Nassau County, or (ii) until such time as such Work Authorization expires or is terminated in accordance with its terms or is terminated pursuant to Article 2 hereof. Consultant/Vendor acknowledges that all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Consultant/Vendor. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work Authorization.

RECOMMENDED AND APPROVED BY:

Robert Companion 10/30/2024 Department Head/Managing Agent: Date Procurement: 10/30/2024 Date 10/30/2024 Office of Management & Budget: Date Denise C. May, Esq., BCS 10/30/2024 County Attorney: Denise C. May Date

IN WITNESS WHEREOF, the Parties have caused this Work Authorization to be executed by its duly authorized representatives, effective as of the last date below.

NASSAU COUNTY, FLORIDA

By: Taco Pope Its: Designee Date: 10/30/2024

TERRACON CONSULTANTS, INC.

BY: John B. kimberly, IV Print Name: John B. Kimberly, IV

Title: Senior Consultant Date: 10/30/2024



8001 Baymeadows Way, Suite 1 Jacksonville, FL 32256 P (904) 900-6494 Terracon.com

October 15, 2024

Nassau County Board of County Commissioners 96161 Nassau Place Yulee, Florida 32097

Attn: Mr. George Murray

(904) 530-6373 P:

E: GMurray@NassauCountyFL.com

RE: **Proposal for Geotechnical Engineering Services**

Pages Dairy Road - Pavement Cores Chester Road from David Hallman Parkway to North of Pages Dairy Road Yulee, Florida

Terracon Proposal No. PEQ245111

Dear Mr. Murray:

We appreciate the opportunity to submit this proposal to the Nassau County Board of County Commissioners (Nassau County) to provide Geotechnical Engineering services for the above referenced project. The following are exhibits to the attached Agreement for Services.

> Exhibit A Project Understanding Exhibit B Scope of Services

Exhibit C Compensation and Project Schedule

Exhibit D Site Location

Our base lump sum fee to perform the Scope of Services described in this proposal is \$10,759 which includes an allowance for a 3rd party Private Utility Locate service, and a fee to perform a MOT lane closure flagging operation around our operations. We have an anticipated delivery date of 3 weeks following receipt of signed authorization. Exhibit C includes details of our fees and consideration of additional services as well as a general breakdown of our anticipated schedule.

We understand that formal authorization for Terracon to proceed in accordance with this proposal will be via a work order under Nassau County Contract No. CM3583

Sincerely, **Terracon**

Thomas D. Hallahan

Geotechnical Project Manager

John B Kimberly 17:15:49 -04'00'

2024.10.15

John B. Kimberly IV, P.E. Senior Consultant

Proposal for Geotechnical Engineering ServicesPages Dairy Road – Pavement Cores | Yulee, Florida

Pages Dairy Road – Pavement Cores | Yulee, Florida October 15, 2024 | Terracon Proposal No. PEQ245111



Exhibit A - Project Understanding

Our Scope of Services is based on our understanding of the project as described by Nassau County and the anticipated subsurface conditions as described below. We have not visited the project site to confirm the information provided. We request that the client or design team verify all information prior to our initiation of field exploration activities.

Planned Construction

Item	Description
Information	Project information was initially provided by George Murray on October 3, 2024. We have been provided with the following: 1. Contract Plans for the Chester Road from David Hallman Parkway to north of Pages Dairy Road project, of which this is part.
Provided	 Extracts from 2018 and 2020 geotechnical engineering reports by Universal Engineering Sciences (UES) indicating pavement component thicknesses. Reports of Asphalt Coring for Thickness for four pavement cores by ECS in September 2024.
Project Description	The entire project includes roadway widening, pavement removal, and milling and re-surfacing along Chester Road, as well as a section of Pages Dairy Road close to the intersection with Chester Road. This exploration is to verify the pavement section components at four locations, close to where ECS had performed pavement cores previously, from approximate Station 240+50 to 242+50 on Pages Dairy Road.

Site Location and Anticipated Conditions

Item	Description
Parcel Information	The project consists of an approximate 250 feet section of Pages Dairy Road, just west of the intersection with Chester Road, in Yulee, Nassau County in Florida. Latitude: 30.633761° Longitude: -81.548813°
Existing Improvements	Pages Dairy Road is a two-lane rural highway, with turn lanes at the intersection with Chester Road. The posted speed limit through the project site is 45 MPH.

Pages Dairy Road - Pavement Cores | Yulee, Florida October 15, 2024 | Terracon Proposal No. PEQ245111



Item	Description
Existing Topography	The site topography is relatively flat within the right of way of the roadway, with drainage swales on both sides and overhead powerlines running on the north side of the roadway. According to topographic quadrangle maps of the area, the natural ground surface elevation of the general site area ranges from about +25 to +30 feet (Assumed NAVD 88 datum).
Site Access	The site, and all exploration locations, will be accessible to our truck-mounted exploration equipment and support vehicles.
Anticipated Subsurface Conditions	We anticipate our pavement cores to encounter an asphaltic concrete layer, followed by some type of an aggregate base layer, followed by engineering fill material to the underlying natural sandy soils.

Proposal for Geotechnical Engineering Services
Pages Dairy Road – Pavement Cores | Yulee, Florida
October 15, 2024 | Terracon Proposal No. PEQ245111



Exhibit B - Scope of Services

Our proposed Scope of Services consists of field exploration, laboratory testing, and engineering/project delivery.

Field Exploration

We propose to perform the following scope of field exploration:

Type of Exploration	Number of Exploration Points	Planned Exploration Depth (feet)	Planned Location
Pavement Cores with	4	2	Pages Dairy Road
Base Depth Check	- 7	۷	From approximate
Hand Augan	4	_	Station 240+50 to
Hand Auger	4	5	Station 243+00

Exploration Point Layout and Elevations: We will use handheld GPS equipment to locate borings with an estimated horizontal accuracy of +/- 10 feet. Field measurements from existing site features may also be utilized to help improve layout accuracy.

Subsurface Exploration Procedures (Pavement Cores): Prior to initiating exploration activities, we will subcontract with a private utility locating contractor to check for the presence of buried utilities in the exploration areas. Exploration points will be offset as necessary to avoid conflict with identified buried utilities. We will advance the pavement cores with a truck-mounted coring rig using a 4 or 6-inch diamond tipped barrel. Once we have cored through the asphalt and base layer, a 3-inch diameter hand auger will be advanced to a depth of approximately 5 feet below the ground surface, and samples of the encountered soils will be collected. The samples will be placed in appropriate containers, transported to our geotechnical laboratory, and classified by a Geotechnical Engineer. In addition, we will observe and record groundwater levels during drilling operations.

Our exploration team will prepare a field log at each exploration point, including the thickness of the cores obtained at each location, subgrade sampling depths, and other relevant sampling/testing information. The logs will include visual classifications of materials encountered during the field evaluation. Final boring logs, prepared from field logs, represent the Geotechnical Engineer's interpretation, and include modifications based on observations and laboratory tests.

Pages Dairy Road - Pavement Cores | Yulee, Florida October 15, 2024 | Terracon Proposal No. PEQ245111



Property Disturbance: Terracon will take reasonable measures to return the property to the condition prior to our mobilization to the site. The hand augered holes will be backfilled with the subgrade spoils after completion of the testing and subgrade sampling. Pavement will be patched with cold-mix asphalt and/or ready-mixed concrete, as appropriate. Our services do not include repair of the site beyond backfilling our boreholes and patching existing pavements.

Safety

Terracon is not aware of environmental concerns at this project site that would create health or safety hazards associated with our exploration program; thus, our Scope considers standard OSHA Level D Personal Protection Equipment (PPE) appropriate. It is understood that a separate proposal for environmental services is also being provided by Terracon.

Exploration efforts require borings into the subsurface, therefore Terracon will comply with local regulations to request a utility location service through Florida 811.

Private utilities should be marked by the owner/client prior to commencement of field exploration. Terracon will not be responsible for damage to private utilities not disclosed to us.

Terracon proposes to subcontract with a private utility locating service. <u>Fees associated</u> with this service are included in our <u>Scope of Services</u>.

The detection of underground utilities is dependent upon the composition and construction of the utility line; some utilities are comprised of non-electrically conductive materials and may not be readily detected. The use of a private utility locate service would not relieve the landowner/client of their responsibilities in identifying private underground utilities.

Site Access: Terracon must be granted access to the site by the property owner. Without information to the contrary, we consider acceptance of this proposal as authorization to access the property for conducting field exploration services in accordance with the Scope of Services. Terracon will conduct field services during normal business hours (Monday through Friday between 7:00am and 5:00pm). We anticipate that MOT lane closures will be required for our crews to safely drill in the travel lanes of Pages Dairy Road. As per the notes in the provided plan set, lane closures will not commence before 9am, and will conclude prior to 3.30 pm to minimize disruption during the busiest traffic conditions.

Pages Dairy Road - Pavement Cores | Yulee, Florida October 15, 2024 | Terracon Proposal No. PEQ245111



Laboratory Testing

The project engineer will review field test data and assign laboratory tests to help estimate the engineering properties of various soil strata. Exact types and numbers of tests cannot be defined until completion of fieldwork, but we anticipate the following laboratory testing could be performed:

- Water content
- Fines content
- Atterberg limits
- Organic content

Our laboratory services include classification of all soil samples by an engineer. Based on the results of our field and laboratory testing programs, we will describe and classify soil samples in accordance with the Unified Soil Classification System (USCS).

Engineering and Project Delivery

The results of our field and laboratory programs will be evaluated, and a geotechnical engineering report will be prepared under the supervision of a licensed professional engineer. The geotechnical engineering report will provide the following:

- Stratified boring logs based on visual soil classification
- Groundwater levels observed during and after the completion of drilling and direct push activities
- Site Location and Exploration Plans
- Subsurface exploration and laboratory testing procedures
- Description of subsurface conditions and pavement section encountered
- Results of all laboratory testing performed
- Photographs of pavement cores retrieved

In addition to an emailed report, your project will also be delivered using our **Client Portal**. Upon initiation, we provide you and your design team the necessary link and password to access the website (if not previously registered). Each project includes a calendar to track the schedule, an interactive site map, a listing of team members, access to the project documents as they are uploaded to the site, and a collaboration portal. We request the opportunity to have project kickoff conversations with the team to discuss key elements of the project and demonstrate features of the portal. The typical delivery process includes the following:

 Project Planning – Proposal information, schedule, and anticipated exploration plan

Pages Dairy Road - Pavement Cores | Yulee, Florida October 15, 2024 | Terracon Proposal No. PEQ245111



- Site Characterization Findings of the site exploration and laboratory results
- Geotechnical Engineering Report

When services are complete, we upload a printable version of our completed Geotechnical Engineering report, including the professional engineer's seal and signature, which documents our services. Previous submittals, collaboration, and the report are maintained in our system. This allows future reference and integration into subsequent aspects of our services as the project goes through final design and construction.

Additional Services

In addition to the services noted above, the following are often associated with geotechnical engineering services. Fees for services noted above do not include the following:

Review of Plans and Specifications: Our geotechnical report and associated verbal and written communications will be used by others in the design team to develop plans and specifications for construction. Review of project plans and specifications is a vital part of our geotechnical engineering services. This consists of review of project plans and specifications related to site preparation, foundation construction, and pavement construction. Our review will include a written statement conveying our opinions relating to the plans and specifications' consistency with our geotechnical engineering recommendations.

Observation and Testing of Pertinent Construction Materials: Development of our geotechnical engineering recommendations and report relies on an interpretation of soil conditions. Our assessment is based on widely spaced exploration locations and the assumption that construction methods will be performed in a manner sufficient to meet our expectations and are consistent with the recommendations made at the time the geotechnical engineering report was issued. We should be retained to conduct construction observations and to perform/document associated materials testing for site preparation, foundation installation, and pavement construction. These services allow a more comprehensive understanding of subsurface conditions and necessary documentation of construction to confirm and/or modify (when necessary) the assumptions and recommendations made by our engineers.

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Exhibit C - Compensation and Project Schedule

Compensation

Based upon our understanding of the project, as summarized in Exhibit A, and our planned Scope of Services outlined in Exhibit B, our base fee is shown in the following table:

Task	Lump Sum Fee ²
Private Utility Locate Service, Subsurface Exploration ¹ , Laboratory	\$10,759
Testing, Geotechnical Consulting and Reporting	Ψ10,733

 The lump sum fee considers one drill rig mobilization and no unexpected onsite delays. If additional drill rig mobilizations are required, an additional fee of \$850 will be invoiced. A drill crew standby rate of \$300 per hour will be invoiced for unexpected delays.

Our Scope of Services does not include services associated with site clearing, wet ground conditions, tree or shrub clearing, or repair of/damage to existing landscape or crops. If such services are desired by the owner/client, we should be notified so we can adjust our Scope of Services.

Unless instructed otherwise, we will submit our invoice(s) to the address shown at the beginning of this proposal. We plan to invoice monthly for this project.

If conditions are encountered that require Scope of Services revisions and/or result in higher fees, we will contact you for approval prior to initiating services. A supplemental proposal stating the modified Scope of Services as well as its effect on our fee will be prepared. We will not proceed without your authorization.

Project Schedule

We have developed a schedule to complete the proposed Scope of Services based upon our existing availability and understanding of your project schedule. However, our schedule does not account for delays in field exploration beyond our control, such as weather conditions, delays resulting from utility clearance, permit delays, or lack of permission to access the boring locations. In the event the schedule provided is inconsistent with your needs, please contact us so we may consider alternatives.

Pages Dairy Road - Pavement Cores | Yulee, Florida October 15, 2024 | Terracon Proposal No. PEQ245111



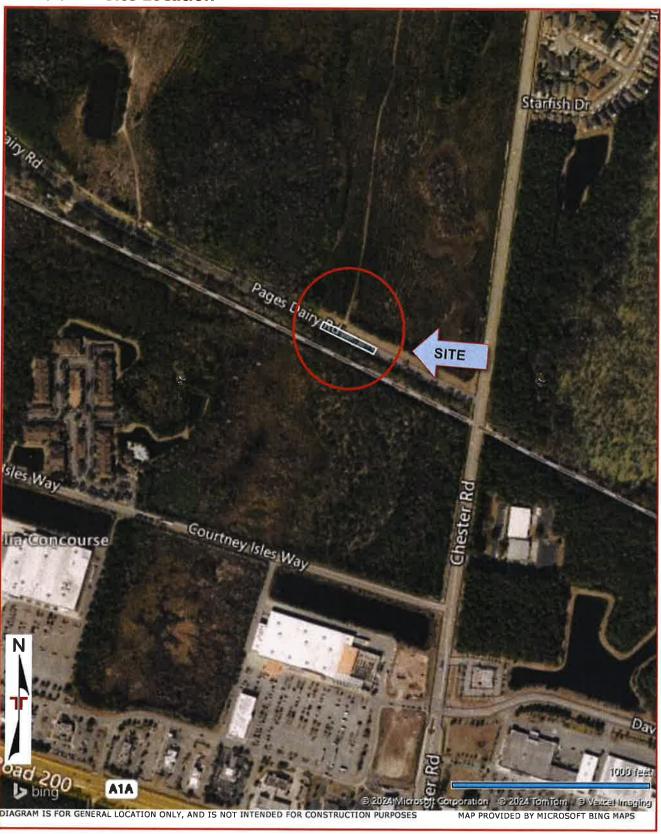
Delivery on Client Portal	Schedule 1, 2 (Calendar Days from Notice to Proceed)
Kickoff Call with Client	2 days
Stake/Mark Borings & Clear Utilities	5 days
Field Exploration	10 days
Laboratory Testing	14 days
Analysis and Reporting	21 days

- Upon receipt of your notice-to-proceed we will activate the schedule component on Client Portal with specific, anticipated dates for the delivery points noted above as well as other pertinent events.
- 2. We will maintain an activities calendar in the **Client Portal**. The schedule will be updated to maintain a current awareness of our plans for delivery.

Pages Dairy Road - Pavement Cores | Yulee, Florida October 15, 2024 | Terracon Proposal No. PEQ245111



Exhibit D - Site Location



35. Geotechnical

Estimator: Tom D. Hallahan

Chester Road from David Hallman Parkway to North of Pages Dairy Road CM3583

Representing	Print Name	Signature / Date		
Nassau County				
Terracon Consultants	Tom D. Hallahan	TDH / October11, 2024		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	Roadway					
35,1	Document Collection and Review	LS	1	1	1	
35.2	Develop Detailed Boring Location Plan	LS	1	1	1	
35,3	Stake Borings/Utility Clearance	Boring	4	0.5	2	4 pavement cores/auger borings (including travel lime)
35.4	Muck Probing	Crew Day	0	0	0	
	Coordinate and Develop MOT Plans for Field Investigation	EA	1	1	5-1	
35.6	Drilling Access Permits	Location	0	0	C	
35.7	Property Clearances	EA	0	0	0	
35.8	Groundwater Monitoring	EA	0	0	0	
35.9	LBR/Resilient Modulus Sampling	EA	0	0	0	
35_10	Coordination of Field Work	100 If of boring	0.2	5	1	4 pavement cores/hand augers to 5-foot: Total 20 feet
35,11	Soil and Rock Classification - Roadway	100 if of boring	0.2	5	1/	4 pavement cores/hand augers to 5-foot: Total 20 feet
35,12	Design LBR	LS	0	0	0	
35.13	Laboratory Dala	100 If of boring	0.2	5	1	4 pavement cores/hand augers to 5-foot: Total 20 feet
5,14	Seasonal High Water Table	Boring	4	0.25	1	4 pavement cores/hand augers
5,15	Parameters for Water Retention Areas	EA	0	0	0	
5.16	Delineate Limits of Unsuitable Material	Cross-section	0	0	0	
5 17	Electronic Files for Cross-Sections	100 If of boring	02	5	1	4 pavement cores/hand augers to 5-foot: Total 20 feet
5,18	Embankment Settlement and Stability	Embankment Boring	0	0	0	
5.19	Monitor Existing Structures	LS	0	0	0	

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35,20	Stormwaler Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	
35,21	Geotechnical Recommendations	LS	1	1	1	
35,22	Pavement Condition Survey and Pavement Evaluation Report	LS	1	2	2	
35,23	Preliminary Roadway Report	LS	0	0	0	
35.24	Final Report	EA	0	0	0	
35,25	Auger Boring Drafting	100 If boring	0.2	10	2	4 pavement cores/hand augers to 5-fool: Total 20 feet
35.26	SPT Boring Drafting	100 If boring	0	0	0	
		Roadway	Geotechni	cai Subtotal	15	
	Structures					
35.27	Develop Detailed Boring Location Plan	LS	0	0	0	
35,28	Stake Borings/Utility Clearance	Boring	0	0	0	
35,29	Coordinate and Develop MOT Plans for Field Investigation	EA	0	0	0	
35,30	Drilling Access Permits	Location	0	0	0	
35.31	Property Clearances	EA	0	0	0	
35,32	Collection of Corrosion Samples	EA	0	0	0	
35.33	Coordination of Field Work	100 If of boring	0	0	0	
35.34	Soil and Rock Classification - Structures	100 If of boring	0	0	0	
35.35	Tabulation of Laboratory Data	100 If of boring	0	0	0	
35,36	Estimale Design Groundwater Level for Structures	EA	0	0	0	
35,37	Selection of Foundation Alternatives (BDR)	Bridge boring	0	0	0	
35,38	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	0	0	0	
35.39	Bridge Construction and Testing Recommendations	Bridge boring	0	0	0	
35_40	Lateral Load Analysis (Optional)	Bridge boring	0	0	0	
35.41	Walls	Wall Boring	0	0	0	
35.42	Sheet Pile Wall Analysis (Optional)	Wall Boring	0	0	0	
	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	0	0	0	

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.44	Box Culvert Analysis	EA	0	0	0	
35.45	Preliminary Report - BDR	EA	0	0	0	
35.46	Final Report - Bridge and Associated Walls	EA	0	0	0	
35.47	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights	EA	0	0	0	
35 48	SPT Boring Drafting	100 If of boring	0	0	0	
35.49	Other Geotechnical	LS	0	0	0	
		Structura	l Geotechni	cal Subtotal	0	
		Geotechr	ical Techni	cal Subtotal	15	
35.50	Technical Special Provisions and Modified Special Provisions	EA	0	0	0	
35,51	Field Reviews	LS	1	2	2	
35,52	Technical Meelings	LS	1	3	3	Meetings listed below
35 53	Quality Assurance/Quality Control	LS	%	3%	0	
35.54	Supervision	LS	%	5%	1	
		Geotechnica	Nontechni	cal Subtotal	6	
35.55	Coordination	LS	%	5%	1)	
_			35. Geotec	hnical Total	22	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments PM Attendance at Meeting Required?	Number
Kickoff Meeting with Nassau County	EA	1	1	1		0
Boring Layout Approval	EA	1	1	1		0
Attend in BDR Review Meeting	EA	0	0	0		0
30/60/90% Submittel Review	EA	0	0	0		0
Other Meetings	EA	1	1	1		0
Subtotal Technical Meetings				3	Subtotal Project Manager Meetings	
Progress Meelings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3	
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	
Total Meetings			- 1	3	Total Project Manager Meetings (carries to Tab 3)	
	7			Certes to 33.52		Carors to Tab. 3

Chester Road from David Hallman Parkway to North of Pages Dairy Road - Pavement Cores Terracon Proposal No. PEQ245111 Nassau County Contract CM3583

DECRIPTION OF WORK	QTY.	RATE	UNIT		AMOUNT
I. FIELD EXPLORATION				•	
211 - Asphalt Pavement Coring - 6" Diameter with Base Depth	Check 4	\$375,00	Each	\$	1,500.0
401 - GEO Auger Borings - H & truck/Mudbug	20	\$15,00	LF	\$	300,0
418 - GEO Drill Crew Support Vehicle	1	\$250.00	Day	\$	250.0
434 - GEO Ground Penetrating Radar (GPR - for private utility	clearance) 3	\$450.00	Hour	\$	1,350.0
441 - GEO Grout Boreholes Truck/Mudbug 0-50 ft	20	\$9,50	Foot	\$	190.0
532 - GEO Drill Rig and Crew (3-person - for MOT Flagging Op	eration) 5	\$375,00	Hour	\$	1,875.0
612 - Mobilization Drill Rig Truck Mount	1	\$850.00	Each	\$	850,0
FIELD EXPLO	RATION SUBTOTAL			\$	6,315.0
I. LABORATORY TESTING					
811 - Soils Liquid Limit AASHTO T89	2	\$75.00	Each	\$	150.0
817 - Soils Moisture Content Laboratory AASHTO T265	4	\$25.00	Each	\$	100_0
819 - Soils Organic Content Ignition FM 1 T-267	2	\$75.00	Each	\$	150.0
822 - Soils Particle Size Analysis AASHTO T88 (No Hydrometer)	4	\$125.00	Each	\$	500.0
826 - Soils Plastic Limit & Plasticity Index AASHTO T90	2	\$75,00	Each	\$	150.0
LABORATORY T	ESTING SUBTOTAL			\$	1,050.0
I. PROFESSIONAL SERIVCES					
Chief Engineer	1.00	\$300.00	Hour	\$	300.00
Senior Engineer	1.00	\$223.00	Hour	\$	223.00
Project Engineer	8,00	\$175.00	Hour	S	1,400.00
CADD/Computer Technician	2,00	\$102.00	Hour	\$	204.00
Secretary/Clerical	1.00	\$97.00	Hour	\$	97.00
Field Engineer	9.00	\$130.00	Hour	\$	1,170.00
PROFESSIONAL SEI	RVICES SUBTOTAL 22			\$	3,394.0
TOTA	AL ESTIMATED FEE			\$	10,759.0

Certificate Of Completion

Envelope Id: 562A38C0F3174C5692A827B9EE59930D Status: Completed

Subject: Contract No.: CM3583-WA03 Vendor Name: Terracon Inc \$10,759.00 Desc: Pages Dairy Rd Core Samples

Source Envelope:

Document Pages: 17 Signatures: 10 Envelope Originator: Certificate Pages: 6 Initials: 4 George Murray

AutoNav: Enabled

Envelopeld Stamping: Enabled

Time Zone: (UTC-05:00) Eastern Time (US & Canada)

gmurray@nassaucountyfl.com IP Address: 50.238.237.26

Record Tracking

Status: Original Holder: George Murray Location: DocuSign

Lanau Helmore

Signature Adoption: Pre-selected Style

Using IP Address: 50.238.237.26

10/29/2024 12:58:27 PM	Gmurray@nassaucountyfl.com	Location: DocuSign
Signer Events	Signature	Timestamp
Robert Companion		Sent: 10/29/2024 1:20:48 PM
RCompanion@nassaucountyfl.com	Robert Companion	Viewed: 10/30/2024 8:11:11 AM
Deputy County Manager - County Engineer Nassau County BOCC		Signed: 10/30/2024 8:11:41 AM
Security Level: Email, Account Authentication (None)	Signature Adoption: Pre-selected Style Using IP Address: 174.211.239.92 Signed using mobile	
Electronic Record and Signature Disclosure: Not Offered via DocuSign		
Tracy Poore	~~)	Sent: 10/30/2024 8:11:44 AM
tpoore@nassaucountyfl.com	19	Viewed: 10/30/2024 8:48:23 AM
OMB Admin		Signed: 10/30/2024 8:49:11 AM
Nassau County BOCC	Cianatura Adaption, Dra calcated Ctula	
Security Level: Email, Account Authentication (None)	Signature Adoption: Pre-selected Style Using IP Address: 50.238.237.26	
Electronic Record and Signature Disclosure: Not Offered via DocuSign		
chris lacambra		Sent: 10/30/2024 8:49:13 AM
clacambra@nassaucountyfl.com	Cliris Lacambra	Viewed: 10/30/2024 8:55:59 AM
OMB Director		Signed: 10/30/2024 8:56:26 AM
Nassau County BOCC	Cimpature Adention: Dre colored Ct. In	
Security Level: Email, Account Authentication (None)	Signature Adoption: Pre-selected Style Using IP Address: 50.238.237.26	
Electronic Record and Signature Disclosure:		

Not Offered via DocuSign

Igilmore@nassaucountyfl.com

Procurement Director

Nassau County BOCC

Lanaee Gilmore

Security Level: Email, Account Authentication

(None)

Electronic Record and Signature Disclosure:

Not Offered via DocuSign

Sent: 10/30/2024 8:56:30 AM Viewed: 10/30/2024 11:40:55 AM

Signed: 10/30/2024 11:41:01 AM

John B. Kimberly, IV john.kimberly@terracon.com Vice President Security Level: Email, Account Authentication	John B. Kimberly, IV Signature Adoption: Pre-selected Style Using IP Address: 71.203.111.195	Sent: 10/30/2024 11:41:05 AM Viewed: 10/30/2024 2:13:50 PM Signed: 10/30/2024 2:14:36 PM
(None)		
Electronic Record and Signature Disclosure: Accepted: 10/30/2024 2:13:50 PM ID: 7636655b-305d-464f-9e28-c747eb83a704		
Abigail Jorandby		Sent: 10/30/2024 2:14:39 PM
ajorandby@nassaucountyfl.com	$\ell \mathcal{J}$	Viewed: 10/30/2024 4:33:31 PM
Deputy County Attorney		Signed: 10/30/2024 4:35:26 PM
Nassau BOCC	Circulture Adoptions Dre colored Ctule	
Security Level: Email, Account Authentication (None)	Signature Adoption: Pre-selected Style Using IP Address: 50.238.237.26	
Electronic Record and Signature Disclosure: Not Offered via DocuSign		
Denise C. May, Esq., BCS		Sent: 10/30/2024 4:35:29 PM
dmay@nassaucountyfl.com	Denise C. May, Esq., BCS	Viewed: 10/30/2024 4:43:56 PM
County Attorney		Signed: 10/30/2024 4:44:19 PM
Nassau County BOCC	Cignotium Adoption, Dro colocted Ctulo	
Security Level: Email, Account Authentication (None)	Signature Adoption: Pre-selected Style Using IP Address: 50.238.237.26	
Electronic Record and Signature Disclosure: Not Offered via DocuSign		
Taco Pope, AICP		Sent: 10/30/2024 4:44:22 PM
tpope@nassaucountyfl.com		Viewed: 10/30/2024 5:04:50 PM
County Manager		Signed: 10/30/2024 5:04:57 PM
Nassau County BOCC	Signatura Adoption: Drawn on Davice	
Security Level: Email, Account Authentication (None)	Signature Adoption: Drawn on Device Using IP Address: 50.238.237.26	
Electronic Record and Signature Disclosure: Not Offered via DocuSign		
BOCC AP		Sent: 10/30/2024 5:05:00 PM
boccap@nassauclerk.com	L.BELTON	Viewed: 10/31/2024 2:35:50 PM
Nassau County Clerk		Signed: 10/31/2024 2:35:56 PM
Security Level: Email, Account Authentication	O'markers Adam's a Halandad O'markers Issaes	•
(None)	Signature Adoption: Uploaded Signature Image Using IP Address: 12.23.69.254	
Electronic Record and Signature Disclosure: Accepted: 2/4/2021 9:59:11 AM ID: 6238f06a-a4ad-4d45-a7f5-929d04629059		
In Person Signer Events	Signature	Timestamp
Editor Delivery Events	Status	Timestamp

Status

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Agent Delivery Events

Certified Delivery Events

Intermediary Delivery Events

Carbon Copy Events Status Timestamp Clerk Services Sent: 10/31/2024 2:35:59 PM **COPIED** BOCCClerkServices@nassauclerk.com Viewed: 10/31/2024 2:46:58 PM Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:**

Not Offered via DocuSign Procurement Sent: 10/31/2024 2:35:59 PM **COPIED** procurement@nassaucountyfl.com

Electronic Record and Signature Disclosure:

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Viewed: 10/31/2024 2:46:24 PM Security Level: Email, Account Authentication (None)

Witness Events Signature Timestamp Notary Events Signature Timestamp Envelope Summary Events Status Timestamps Hashed/Encrypted 10/29/2024 1:20:48 PM **Envelope Sent** Certified Delivered Security Checked 10/31/2024 2:35:50 PM Signing Complete Security Checked 10/31/2024 2:35:56 PM Completed Security Checked 10/31/2024 2:35:59 PM **Payment Events Status Timestamps**

Electronic Record and Signature Disclosure

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