

TASK ORDER APPROVAL FORM

CONTRACT #: C19-2749-PW

TASK ORDER #: 10 (CR 393 Resurfacing and Safety Improvements Project)

TASK ORDER AMOUNT: \$176,216.20

C19-2749-PW
DRMP, INC.

OFFERED BY CONSULTANT:

General Engineering Services for PW
Expires: 02/29/2024

DRMP, Inc.

FIRM'S NAME

John Alaghemand, P.E.

REPRESENTATIVE'S PRINTED NAME

John Alaghemand

SIGNATURE

Office Leader 9/22/2023

TITLE

DATE

RECOMMENDED FOR APPROVAL (Department Director)

Jason T. Autrey, P.E., C.P.M. Digitally signed by Jason T. Autrey, P.E., C.P.M. Date: 2023.09.25 13:38:02 -05'00'

SIGNATURE

Jason Autrey, P.E., Public Works Director

09.25.2023

DATE

John Hofstad Digitally signed by John Hofstad Date: 2023.09.26 14:48:15 -05'00'

COUNTY ADMINISTRATOR

DATE

Revised January 21, 2020

APPROVED BY OKALOOSA COUNTY (Per Purchasing Manual) Table 1

DeRita Mason Digitally signed by DeRita Mason Date: 2023.09.26 07:21:46 -05'00'

PURCHASING MANAGER

09.26.2023

DATE

Faye Douglas Digitally signed by Faye Douglas Date: 2023.09.26 12:03:56 -05'00'

OMB DIRECTOR/DATE

09.26.2023

DATE

Robert A. "Trey" Goodwin III

Robert A. "Trey" Goodwin III, Chairman

10/17/2023

DATE



Scope of Services
Engineering Design Services
Contract No: C19-2749-PW
County Road 393 Resurfacing Preliminary Design and Safety Improvements Project
Task Order # 10

Introductions

Okaloosa County desires professional engineering design services for the resurfacing and traffic safety improvements on County Road (CR) 393 in Okaloosa County. The project begins at the intersection of US 90 and ends at the intersection of SR 85, approximately 15.72 miles. The existing roadway consists of approximately 24 ft of asphalt with 11 ft wide travel lanes and no paved shoulders. The posted speed limit on this corridor is 50 MPH and the County desires for the Consultant to conduct a speed study, using the Manual on Uniform Traffic Control Devices (MUTCD) and FDOT standards to determine whether the posted speed limit is appropriate for this corridor. In addition, the Consultant shall evaluate the existing horizontal and vertical curves and no-passing zones within the corridor to determine whether modifications would be necessary, if raising the posted speed limit is warranted. The existing right-of way is 100 ft throughout the corridor. As such, right-of-way acquisition is not anticipated for this project.

Based on the July 13, 2023, meeting with the County staff, and understanding that the County intends to resurface CR 393 from US 90 to SR 85 and to implement traffic safety improvements along the corridor, DRMP recommends the following scope services and fee proposal for the County's consideration.

I. Task 1 - Preliminary Engineering Design

Scope of services for the preliminary engineering design shall include evaluation of the existing pavement conditions and developing resurfacing alternatives and cost estimates to allow the County to select the most feasible alternative to resurface CR 393 from US 90 to SR 85. DRMP will produce concept plans, typical sections, and preliminary cost estimates for each resurfacing alternatives. As part of pavement evaluation, asphalt cores will be obtained to determine the existing pavement condition and thickness, specifically on CR 393 approximately 5 miles north of Poverty Creek Road and approximately 6 miles south of SR 85. These areas of pavement have shown more deterioration. For more information about the geotechnical scope of services, please see Task 2 below.

II. Task 2 - Geotechnical Services

The following proposed scope of services is based on the information supplied and our experience in the area with similar projects. We propose to perform the following:

- A site visit and general visual pavement evaluation by our engineering staff.
- Locate the borings at the site and obtain a permit from Okaloosa County for work in the roadway right-of-way.

- Clear registered utilities at the site with the Sunshine Network. Unregistered or private utilities are the responsibility of the client to clear.
- Mobilize a truck-mounted drill rig and drill team to the site if needed.
- Core the existing pavement and drill a 6-foot-deep hand auger/probe boring or a SPT boring at 32 locations. Pavement and base thickness will be evaluated at these locations. Cores will be patched with concrete or asphalt “cold patch” upon completion. These borings are spaced about 1,900 to 2,000 feet apart.
- Provide MOT and two flaggers as needed to close one lane during pavement coring operations for up to 6 days.
- Perform a visual classification of the soil samples obtained during our exploration.
- Run laboratory testing on selected samples which includes basic properties testing on the split spoon samples such as moisture content, wash #200 sieve, and Atterberg Limits to evaluate and document basic properties.
- Analyze the field and laboratory data to provide preliminary geotechnical recommendations for the project.

A professional geotechnical engineer licensed in the state of Florida will manage the project, and the results of the exploration will be presented in a report that will address the following:

- Exploration, testing, and sampling methods.
- Subsurface soils encountered and soil classifications.
- Photographs of the pavement cores and roadway at the core locations.
- Roadway conditions including a general description of the existing pavement condition based on visual observations.
- Depth to groundwater or perched groundwater at the time of drilling if encountered in the proposed boring depths.
- A discussion of laboratory test results.
- Preliminary recommendations for milling and resurfacing of the existing roadway.
- A general discussion of replacement options if needed.
- Preliminary recommendations on base materials and compaction requirements.

III. Task 3 – Speed Limits Study and Traffic Safety Improvements

DRMP will conduct speed limit study to determine whether the posted 50 PMH speed limit on CR 393 appropriate for this corridor. If raising the speed limit is warranted, the existing no-passing zones along the corridor will be evaluated to determine whether modification of zone would be required. The speed limit and no passing zone evaluation will be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), FDOT and the County standards.

IV. Deliverables

DRMP will provide all submittals in 11"x17" format. All submittals will include an identical copy for the County. Upon completion of the plans a PDF of calculations, reports and design plans will be provided as well as the digital files. The following deliverables are anticipated:

- Geotechnical Report
- Speed Limit Study and No-Passing Zones Study Reports
- 30% Concept plans
- Resurfacing Alternatives Evaluation Report

V. Project Schedule

Based on the following projected timeline, it will take approximately six months (180 calendar days) to complete the project.

- **15 Days from NTP:** Schedule the initial kick-off meeting with the County staff.
- **90 Days from NTP:** 15% Design Concept Plans, Speed Limit Study and No-Passing Zones Study Reports.
- **180 Days from NTP:** Provide 30% Design Plans and the Resurfacing Alternatives Evaluation Report.

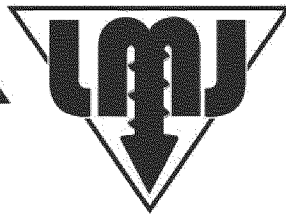
VI. Reimbursable Expenses

The tasks discussed herein are lump sum and include travel, mileage and incidental non-labor costs associated directly with this project.

VII. Compensation Summary

Based on the above-described scope of services and DRMP's continuing engineering services' approved rates, the Lump Sum fee for the CR 393 Resurfacing Preliminary Engineering Design and Traffic Safety Improvements Project is **\$176,216.20**. A summary of the fee schedule is shown below:

Staff Classification	Sr Project Manager	Sr project Engineer	Project Engineer	Engineering Intern	Admin Support 1	Staff Hour By Activity	Salary Cost By Activity
Rates	\$198.00	\$160.00	\$140.00	\$85.00	\$55.00	Activity	Activity
Geotechnical Services (Sub)							\$ 33,686.20
Speed and No-Passing Zone Data Collection (Sub)							\$ 4,300.00
Preliminary Engineering Design	50	250	275	200	50	825	\$ 108,150.00
Speed Limits Study and Traffic Safety Improvements	5	50	30	40	5	130	\$ 16,865.00
Summary Report and Implementation Plan	10	50	45	10	40	155	\$ 13,215.00
Staff Hours Total	65	350	350	250	95	1,110	
TOTAL FEE (LUMP SUM)							\$ 176,216.20



September 15, 2023

Mr. John Alaghemand, PE
DRMP

Via email: JAlaghemand@drmp.com

**Subject: Revised Preliminary Geotechnical Exploration Proposal
Resurfacing of CR 393
Okaloosa County, Florida**

Dear Mr. Alaghemand:

Larry M. Jacobs & Associates, Inc. (LMJ) appreciates the opportunity to submit a proposal for providing a preliminary geotechnical exploration for the subject project. The following sections outline our understanding of the project, our recommended scope of services, a cost estimate for providing these services, and the proposed terms and conditions.

Project and Site Description

The project consists of the milling and resurfacing Okaloosa County Road 393. The section to be reworked extends from State Road 85 to Poverty Creek Road. It is a two-lane road, paved with asphalt. Reportedly, the section of road between State Road 85 and Poverty Creek Road is in poor condition, and these areas may be replaced. We understand that no widening, stormwater ponds, bridges, or new structures are part of the proposed work, and a pavement design by LMJ has not been requested. If this information changes or is incorrect, our office should be notified, and changes to this proposal may be needed.

Proposed Scope of Services

The following proposed scope of services is based on the information supplied and our experience in the area with similar projects. We propose to perform the following:

- ▼ A site visit and general visual pavement evaluation by our engineering staff.
- ▼ Locate the borings at the site and obtain a permit from Okaloosa County for work in the roadway Right-of-Way.
- ▼ Clear registered utilities at the site with the Sunshine Network. Unregistered or private utilities are the responsibility of the client to clear.
- ▼ Mobilize a truck-mounted drill rig and drill team to the site if needed.
- ▼ Core the existing pavement and drill a 6-foot-deep hand auger/probe boring or a SPT boring at 32 locations. Pavement and base thickness will be evaluated at these locations. Cores will be patched with concrete or asphalt "cold patch" upon completion. These borings are spaced about 1,900 to 2,000 feet apart.
- ▼ Provide MOT and two flaggers as needed to close one lane during pavement coring operations for up to 6 days.
- ▼ Perform a visual classification of the soil samples obtained during our exploration.
- ▼ Run laboratory testing on selected samples which includes basic properties testing on the split spoon samples such as moisture content, wash #200 sieve, and Atterberg Limits to evaluate and document basic properties.



- ▼ Analyze the field and laboratory data to provide preliminary geotechnical recommendations for the project.

A professional geotechnical engineer licensed in the state of Florida will manage the project, and the results of the exploration will be presented in a report that will address the following:

- ▼ Exploration, testing, and sampling methods.
- ▼ Subsurface soils encountered and soil classifications.
- ▼ Photographs of the pavement cores and roadway at the core locations.
- ▼ Roadway conditions including a general description of the existing pavement condition based on visual observations.
- ▼ Depth to groundwater or perched groundwater at the time of drilling if encountered in the proposed boring depths.
- ▼ A discussion of laboratory test results.
- ▼ Preliminary recommendations for milling and resurfacing of the existing roadway.
- ▼ A general discussion of replacement options if needed.
- ▼ Preliminary recommendations on base materials and compaction requirements.

Estimated Costs

The itemized cost breakdown for this scope of work is attached as **Figure #1**. We propose to provide the scope of services in this proposal for an estimated cost of ~~\$33,936.20~~^{\$33,686.20}. This proposal assumes that boring locations are accessible to our truck-mounted drill rig, we have right of entry to the site, and that we will not experience excessive delays due to debris at borehole locations or for other reasons outside of our control. If such conditions are encountered that may cause the cost of the exploration to exceed the budget figure, we will obtain approval for the additional work before proceeding.

Authorization

To authorize us to proceed with this project, please complete, sign, and return a copy of the **attached Professional Services Agreement (Figure #2)** to our office. LMJ appreciates the opportunity to present you with this proposal, and we look forward to working with you on this project. If you have any questions or require any further information, please do not hesitate to call.

Sincerely,

LARRY M. JACOBS & ASSOCIATES, INC.

A handwritten signature in black ink that reads "Terry Niemann".

Terry Niemann
Project Manager

Attachments

Figure #1

Cost Breakdown



Client: DRMP
Project: CR 393

Drilling/Field Services		Unit Fee	Est. Qty.	Est. Cost
Mobilization	0-25 Mi	\$395 Ea		
	26-75 Mi	\$475 Ea		
	76-125 Mi	\$525 Ea	1	525.00
Standard Penetration Test Borings 32 @ 6 ft	0-40 Ft	\$14 Ft	192	2,688.00
	41-80 Ft	\$16 Ft		
	81-120 Ft	\$20 Ft		
Okaloosa County Permit		\$250 Ea	X	250.00
Auger/Probe Borings		\$13 Ft		
2-Man Drill Crew Mileage	168 miles round trip	\$1 Mi	840	840.00
MOT (signs and 2 flagmen)		\$2,100 Day	6	12,600.00
Core Asphalt and Patch		\$100 Ea	32	3,200.00
Saw Cut Asphalt, Densities and Patch w/ Concrete		\$200 Ea		
Obtain Bulk Sample		\$90 Ea		
Senior Eng. Tech (Flag Borings & Clear Utilites)		\$75 Hr	31	2,325.00
Engineering Technician Mileage		\$0.6 Mi	672	403.20
Drilling/Field Total				\$22,831.20
				\$22,581.20

Laboratory Testing Services

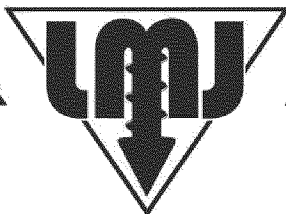
Water Content		\$16 Ea	20	320.00
Sieve Analysis		\$80 Ea		
Wash #200 Sieve		\$37 Ea	20	740.00
Limerock Bearing Ratio (LBR)		\$425 Ea		
Corrosion Series (pH, resistivity, sulfate, chloride content)		\$180 Ea		
Atterberg Limits (Inc. Moisture Content)		\$105 Ea	5	525.00
Permeability & Sieve (Inc. Unit Weight, Moisture & Porosity)		\$160 Ea		
Organic Content		\$55 Ea		
Basic Properties Testing Allowance		Lump Sum		
Laboratory Testing Total				\$1,585.00

Engineering Services

Senior Principal Geotechnical Engineer		\$160 Hr		
Principal Geotechnical Engineer		\$140 Hr	5	700.00
Senior Geotechnical Engineer		\$125 Hr		
Project Engineer		\$115 Hr		
Project Manager		\$105 Hr	80	8,400.00
CAD Technician		\$60 Hr	7	420.00
Engineering Total				\$9,520.00

Total Estimated Cost ~~\$33,936.20~~

\$33,686.20



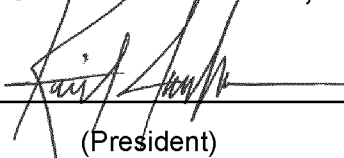
PROFESSIONAL SERVICES AGREEMENT

Date September 15, 2023
Project Resurfacing of CR 393 Preliminary Geotechnical Services
Location Okaloosa County, Florida

Scope As per attached proposal dated September 15, 2023
Cost \$33,936.20
Invoicing Monthly, Payment Due upon Receipt of Invoice

LMJ looks forward to working with you on this project. The attached **Terms and Conditions** are an integral part of this agreement, and by signing below you indicate your understanding and acceptance of these conditions. To authorize our services, please fill in the box section below, sign, and return one original signature copy to our office.

For **Larry M. Jacobs & Associates, Inc.**

Signed  _____
 (President)

Party Responsible for Payment	
Name _____	Phone (____) _____
Address _____	Fax (____) _____
City, State _____ Zip Code _____	Email _____
Signature: _____	Date _____
This Proposal is Valid for 90 Days	

TERMS AND CONDITIONS

Larry M. Jacobs & Associates, Inc. (LMJ) its officers, stockholders, and employees, hereinafter referred to as the Geotechnical Engineer of Record (GER), shall perform the services outlined in this agreement for the stated fee agreement.

Access to Site and Hidden Utilities

Unless otherwise stated, the GER will have access to the site for activities necessary for the performance of the services. The GER will take precautions to minimize damage due to these activities but has not included in the fee the cost of restoration of any resulting damage. The GER shall not be responsible for damage to hidden utilities. It is the Clients' responsibility to provide the GER with the locations of said hidden utilities.

Fee

The total fee shall be understood to be an estimate, based on an agreed upon Scope of Services, and shall not be exceeded without the approval of the Client.

Indemnification

The Client shall indemnify and hold harmless the GER and all of its personnel from and against any and all claims, damages, losses and expenses (including reasonable attorney's fees) arising out of or resulting from the performance of the services, provided that any such claims, damage, loss or expense is caused in whole or in part by the negligent act of omission, and/or strict liability of the Client, anyone directly or indirectly employed by the Client (except the GER) or anyone for whose acts any of them may be liable.

Hidden Conditions

A geotechnical condition is hidden if it is not encountered in the planned geotechnical investigation which incorporates currently accepted standards of Geotechnical Engineering. If the GER has reason to believe that such a condition may exist, the client shall authorize and pay for all costs associated with the investigation of such a condition and, if necessary, all costs necessary to correct said condition. If (1) the client fails to authorize such investigation or correction after due notification, or (2) the GER has no reason to believe that such a condition exists, the client is responsible for all risks associated with this condition, and the GER shall not be responsible for the existing condition or any resulting damages to persons or property. The GER shall also not be responsible for the release or aggravation of any hazardous materials encountered by the geotechnical investigation.

Risk Allocations

In recognition of the relative risks, rewards and benefits of the project to both the Client and the GER, the risks have been allocated so that the Client agrees that, to the fullest extent permitted by law, the GER's total liability to the Client, for any and all injuries, claims, losses, expenses, damages or claim expenses arising out of this agreement, from any cause or causes, shall not exceed the total amount of \$50,000, the amount of the GER's fee (whichever is greater) or other amount agreed upon when added under special conditions. Such causes include, but are not limited to the GER's negligence, errors, omissions, strict liability, breach of contract or breach of warranty.

Termination of Services

This agreement may be terminated upon 10 days written notice by either party should the other fail to perform his obligations hereunder. In the event of termination, the Client shall pay the GER for all services, rendered to the date of termination, all reimbursable expenses, and reimbursable termination expenses.

Ownership Documents

All documents produced by the GER under this agreement shall remain the property of the GER and may not be used by this Client for any other endeavor without the written consent of the GER.

Applicable Law

Unless otherwise specified, the laws of the principal place of business of the GER shall govern this agreement.

Mediation

In an effort to resolve any conflicts that arise during the design or construction of the project or following the completion of the project, the Client and the GER agree that all disputes between them arising out of or relating to this agreement shall be submitted to non-binding mediation unless the parties mutually agree otherwise.

Invoicing

Invoicing is on a monthly basis with payment due upon receipt of the invoice. A service charge will be charged at 1.5% (or the legal rate) per month on the past due balance(s). In the event any portion or all of an account remains unpaid 90 days after billing the Client agrees to pay cost of collection, including all credit bureau, collection agency, and/or reasonable attorney's fees.

Testing and Observations

Testing and observations are discrete sampling procedures and results only represent conditions at the depths, locations, and times the tests were performed. Client understands that testing and observations are not continuous or exhaustive and are conducted to reduce, but not eliminate, project risk. Client agrees to the level and amount of testing and observations performed and the associated risk. LMJ is not responsible for the quality and completeness of Client's contractor's work or the contractor's adherence to the project documents. LMJ's services do not relieve the Client's contractor from its responsibility for complying with the contract documents or from its responsibility for any defects discovered in its work or create a warranty or guarantee.



National Data & Surveying Services

National Data & Surveying Services

The Leading Traffic Data Collection Company

TO: John Alaghemand
DRMP
2111 Thomas Dr, Suite 1
Panama City Beach, Florida 32408
(850) 387-1262

ESTIMATE

DATE: 07/13/2023

JOB REF: Crestview, FL

NDS PROPOSAL: 0980p2

IPO:

Service Type	Rate Description	Rate	Quantity	Total
ATR-23	Machine Counts (1-Day, 24hr) w/Volume, Speed Weekday	\$0.00	6	\$0.00
ATR-23	MINIMUM FEE REQUIREMENT	\$1,800.00	1	\$1,800.00

Discount:

Discount Description:

TOTAL: \$1,800.00

Thank you for your business!
To accept this quotation, sign here and return

Email: john@ndsdata.com, diana@ndsdata.com

Signature: _____

PO#: _____

Local Office Address

10286 NW 47th St
Sunrise, FL 33351
(954) 356-2728

Remittance Office Address

1535 S La Cienega Blvd
Los Angeles, CA 90035
(323) 782-0090



National Data & Surveying Services

National Data & Surveying Services

The Leading Traffic Data Collection Company

TO: John Alaghemand
DRMP
2111 Thomas Dr, Suite 1
Panama City Beach, Florida 32408
(850) 387-1262

ESTIMATE

DATE: 08/09/2023

JOB REF: Crestview, FL

NDS PROPOSAL: 0980p3

IPO:

Service Type	Rate Description	Rate	Quantity	Total
ATR-23	Machine Counts (1-Day, 24hr) w/Volume, Speed Weekday	\$0.00	8	\$0.00
BBK-23	Ball Bank Study (1-Day)	\$0.00	3	\$0.00
FUE-23	Minimum Fee Requirement	\$2,500.00	1	\$2,500.00

Discount:

Discount Description:

TOTAL: \$2,500.00

Thank you for your business!
To accept this quotation, sign here and return

Email: john@ndsdata.com, diana@ndsdata.com

Local Office Address

10286 NW 47th St
Sunrise, FL 33351
(954) 356-2728

Remittance Office Address

1535 S La Cienega Blvd
Los Angeles, CA 90035
(323) 782-0090

Signature: _____

PO#: _____



BOARD OF COUNTY COMMISSIONERS AGENDA REQUEST

DATE: October 17, 2023
TO: Honorable Chairman and Distinguished Members of the Board
FROM: Jason Autrey
SUBJECT: Approval of Task Order-10 for CR393 Improvements in the amount of \$176,216.20
DEPARTMENT: Public Works
BCC DISTRICT: 1

STATEMENT OF ISSUE: Okaloosa County Public Works staff requests the Board of County Commissioners approval for Task Order 10 with DRMP, Inc per the terms of Contract C19-2749-PW for a total cost not to exceed \$176,216.20 for preliminary design services to include geotechnical services, speed limits study and traffic safety improvements for County Road 393 Resurfacing and Safety Improvements; Surtax Project #ST000032.

BACKGROUND: The purpose of this project is to resurface CR 393 from US 90 to SR 85 and to implement traffic safety improvements along the corridor. The project is approximately 15.72 miles and consists of approximately 24 ft of asphalt with 11 ft wide travel lanes and no paved shoulders. The posted speed limit on this corridor is 50 MPH and the Consultant has been tasked with conducting a speed study using the Manual on Uniform Traffic Control Devices (MUTCD) and FDOT standards to determine whether the posted speed limit is appropriate for this corridor. Evaluation will also be performed for the existing horizontal and vertical curves and no-passing zones to determine if modifications are warranted. No right-of-way acquisition is anticipated for this project.

The Infrastructure Surtax Advisory Committee approved recommending allocation of Surtax funding to the Board at their 5/25/2023 meeting for this project, and the Board approved the recommendation at their 6/6/2023 Board meeting. Staff is requesting the Board to approve Task Order 10 with DRMP, Inc. in the amount of \$176,216.20 for preliminary design of CR 393 improvements.

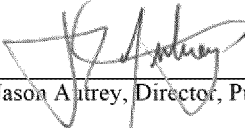
FUNDING SOURCE:

Department #3301
Account #563001
Amount \$176,216.20
Project #ST000032

OPTIONS: Approve/Deny/ Postpone

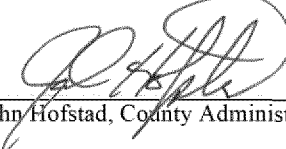
RECOMMENDATIONS: Motion to approve Task Order 10 in the amount of \$176,216.20 with DRMP, Inc. Contract C19-2749-PW for County Road 393 Resurfacing and Safety Improvements project #ST000032.

RECOMMENDED BY:



Jason Aitrey, Director, Public Works 10/9/2023

APPROVED BY:



John Hofstad, County Administrator 10/11/2023