WORK AUTHORIZATION # CM2499-WA05 NASSAU COUNTY

BOARD OF COUNTY COMMISSIONERS CONTINUING CONTRACT FOR PROFESSIONAL ENGINEERING SERVICES RFQ/BID NO. NC 17-006

Consultant:	EltonAlan, Inc.	
Contract Number:	CM2499	
Contact Name:	Michael Holcomb	
Contact Number:	904-891-0360	
Email:	mike@eltonalan.com	

	CURRENT WORK AUTHORIZATION												
Project Short Title: De	Project Short Title: Design Services for Pratt Siding Road												
		CONTRACT OVERV	TEW										
Date Submitted	10/11/19	Total of Previous Authorizations	\$137,000.00										
		Change Orders/Adjustments	\$0.00										
Amount	\$272,582.24	This Work Authorization	\$272,582.24										
Scheduled Completion	30 weeks from NTP	Current Contract Total	\$409,582.24										

This Work Authorization is to the AGREEMENT between Nassau County and the Consultant known as the Continuing Contract for Professional Engineering Services for Nassau County, Florida, dated January 8, 2018. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

EltonAlan, Inc. will provide engineering design services for the paving of Pratt Siding Road, pursuant to the Scope of Services dated October 11, 2019, attached hereto as Attachment "A".

ARTICLE 2. Time Schedule

The total estimated time to complete the services under this Work Authorization is 30 weeks from NTP.

ARTICLE 3. Budget

EltonAlan, Inc. will perform the *Scope of Services* outlined herein for the Total of \$272,582.24. EltonAlan, Inc. will be using billing rates established under Continuing contract CM2499.

Article 4. Other Provisions

The services covered by this Work Authorization will be performed in accordance with the provisions set forth in the AGREEMENT referenced above and any of its attachments or schedules. Additional terms or contract provisions whether submitted purposely or inadvertently, shall have no force or effect. This Work Authorization will become a part of the referenced AGREEMENT when executed by both parties.

In presenting this Work Authorization, Consultant agrees that:

Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Consultant. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work assignment. Any additional information, including detailed scope of services are attached.

AGREED TO BY:

RY.

Print Name:

Michael E. Holcomb, P.E.

Title: ___

Date: 11/14/2019

C.E.O.

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

County Engineer:	Department Head or Designee
Contract Management:	Grayson Hagins
Office of Management & Budget:	Megan Diehl
County Manager:	Michael S. Mullin
Ex-Officio Clerk:	See signature below John Crawford
County Attorney:	Michael S. Mullin
APPROVED by the BOARD OF COUNTY November, 2019.	UNTY COMMISSIONERS, this 20thday of
	BOARD OF COUNTY COMMISSIONERS NASSAU COUNTY, FLORIDA Justin M. Taylor Chairman
ACCOUNT NO.: 63470541-563365 PRA	ATT
Attestation: Only to Authenticity Chairman's Signature: John Crawford Ex-Officio Clerk	y as to

Attachment A

SCOPE OF SERVICES

ENGINEERING SERVICES

FOR CR PRATT SIDING

NASSAU COUNTY, FLORIDA

OCTOBER 11, 2019

A. PROJECT DESCRIPTION

- 1) The intent of this project to pave the existing Pratt Siding dirt road from Old Dixie to US1. Some of the items within the project limits includes:
 - a. Three Minor Cross Drain Culverts Proposed to be replaced due to inadequate length
 - b. Approximately 18 driveways All proposed to be modified / paved to 5'
 - c. 5 Named Cross Streets All "intersections" proposed to be improved to some extent (either treated as a driveway connection or as a typical intersection)
 - d. One major CSX R/R crossing to be upgraded to current standards.
 - e. The project also appears to fall within an impaired water body.
- 2) This scope of services includes all engineering services required to develop final construction documents, right of way acquisition documents (if/as necessary) and obtain all required permits to achieve the project intent.
- 3) All services provided within the Scope of Services shall be in accordance with Nassau County Ordinance 99-7 Appendix D Roadway and Drainage Standards as well as the "Construction and Maintenance for Streets and Highways", commonly known as the "Florida Green Book".
- 4) The scope of services includes:
 - a. Data Collection
 - b. Engineering Design
 - c. Plans and Specifications Preparation
 - d. Right of Way Mapping (if/as necessary)
 - e. Environmental Permitting
 - f. Bid Phase Services
 - g. Post Design Services

B. Professional Services to be Provided— The Consultant shall provide the following services:

1) Data Collection

- a. <u>Geotechnical Engineering</u> Collect field samples, perform laboratory testing and provide a detailed Geotechnical report as follows:
 - 1. Collect Auger Borings to 6' depth spaced at 500' alternating left and right of centerline. Encountered ground water levels and unsuitable materials will be noted with each sample. (16 locations total)
 - 2. Collect SPT borings to a depth of 20' at all culvert crossings. Encountered ground water levels and unsuitable materials will be noted with each sample. (3 locations total)
 - 3. Collect Limerock Bearing Ratio (LBR) samples spaced at 2500' along centerline (3 locations total).
 - 4. Soil samples for laboratory soil testing will be obtained on a frequency of three samples per stratum per mile. Soil samples for pipe corrosion testing will be also be obtained at each culvert crossing.
 - 5. Sufficient testing will be performed on soils recovered from the borings for classification purposes using the AASHTO and the Unified Soil Classification System for organic content, moisture content, waterberg limits, percent fines, corrosion susceptibility, structural characteristics, LBR and estimated seasonal high groundwater elevations.
 - 6. A geotechnical engineer, registered in the State of Florida, will direct the geotechnical exploration and provide engineering analysis and evaluation of the site and subsurface conditions with respect to the planned construction and imposed loading conditions. The results (including past and proposed as applicable) of the exploration and engineering study will be presented in a report containing the following:
 - a. Soil Data Sheets
 - b. Laboratory Test Results
 - c. Design LBR Results
 - d. Estimated Seasonal High Groundwater Levels
 - e. Recommendations concerning the suitability of the subsurface soils for support of the planned roadway.
 - f. Recommendations concerning the suitability of the subsurface soils for support of the planned culverts.
 - g. Recommendations for the required site preparation and earthwork construction
- b. <u>Survey</u> The consultant shall provide survey services within the projects limits as follows:
 - a. Establish Horizontal and Vertical Control (state Plane Coordinates)
 - b. Establish Baseline of survey
 - c. Establish project Benchmarks and Reference Points (every 1000')
 - d. Locate existing section lines and property ties
 - e. Provide Cross Sections every 100' as well as at each culvert crossing and every intersection from 50 left of centerline to 50' feet right of centerline.

- f. Survey geotechnical boring locations
- g. Survey wetland jurisdictional lines
- h. Provide design survey within right of way limits including all above ground features together with drainage structures and observed utilities
- i. Survey all above ground utilities within right of way
- j. Provide survey data by electronic files (Microstation)
- k. Provide R/W Maintenance Maps (40 scale)
- Design Analyses The consultant shall provide a design analysis report containing the following;
 - a. <u>Traffic Analysis</u> The Consultant will conduct a traffic analysis to identify project 5-Year and 20-Year traffic volumes along the corridor and at either end, conduct signal warrant analyses and conduct a no passing zone analysis
 - b. <u>Drainage Analysis</u> The Consultant will prepare a Drainage Study to analyze existing stormwater facilities along the corridor as follows:
 - i. Master Drainage plan (1" = 200') showing existing contours (from County provided LIDAR data) and field verified data for critical areas such as major drainage ways, storm pipes and bridge structures
 - ii. Include as a minimum, drainage calculations for existing and final design conditions using 25 years SCS methodology
 - iii. As part of the study, a pre-application meeting will be conducted with the St. Johns River Water Management District to clarify project criteria, and to identify feasible mitigation and other requirements. Recommendations for accomplishing stormwater treatment will be included in the study
 - c. Environmental Analysis The Consultant will prepare an Environmental Analysis that will include a Wetland, threatened and endangered species field inventory. Based upon these inventories, potential impacts of the project will be identified, and options to mitigate these impacts will be identified based upon the preliminary coordination with the WMD
 - d. <u>Utility Impact Analysis</u> The Consultant shall contact the known private and public utility companies within the project corridor (such as FPL, Okeefenoke, CXS, Quest, Comcast, Williams Communications, MCl, AT&T and Level III) or who have definitive plans to locate within the corridor and obtain plans of their existing or planned facilities (both horizontally and vertically) within the project limits. The consultant shall determine potential impacts with the proposed improvements.
 - e. <u>Roadway Analysis</u> Based on the recommendations of the Traffic, Drainage, Environmental and Utility Impact Analyses, the Consultant shall provide a roadway analysis including design documentation that includes:
 - i. Pavement Design
 - ii. Roadway Typical Sections
 - iii. Design speed determinations
 - iv. Roadway Horizontal alignment
 - v. Intersection improvements
 - vi. Right-of-way requirements (if any)

- vii. Maintenance of traffic
- viii. Conceptual Plans using aerial photography as a base
- ix. Opinion of probable costs at 30%, 60%, 100% and final design phases
- 3) Construction Plans and Specifications The Consultant will perform the necessary additional analyses and prepare construction plan sheets, notes and details for a complete set of construction documents to convey the intent and scope of the project for the purposes of construction as follows:
 - Key Sheet
 - Summary of Pay Items
 - Typical Sections
 - Drainage Map
 - Summary of Quantities
 / Drainage Structures
 - Project Layout / Benchmark / Reference Points
 - General Notes

- Roadway Plan / Profiles
- Drainage Structures
- Soil Survey
- Cross Sections
- SWPPP
- Traffic Control Plans
- Signing and Pavement Marking Plans
- 4) Utility Coordination The Consultant shall be responsible for coordinating all design with the affected utility companies in order to minimize utility conflicts. The consultant shall re-contact these utilities and submit 60% design plans that include all known existing utilities. The consultant shall make a final contact with these utilities to submit 90% plans that show all proposed roadway and drainage improvements. Utility coordination meetings will be held at the 60%, 90% and Final phases of design.
- 5) **Right of Way Mapping** (Not included herein will add as a supplement to this contract if/as necessary)
- 6) Environmental Permitting The Consultant will provide all services (data collection, field surveys, coordination, agency meetings, permit and associated exhibit preparation, etc.) necessary to develop and apply for a permit exemption with the St. Johns River Water Management District pursuant to section 62-330.051 (4)(e) Repair, stabilization or paving of existing unpaved roads and a Nationwide (NWP) 14 through the US Army Corps of Engineers. Should the project exceed the thresholds of these authorizations, additional services provided under a future scope of services will be required for the preparation and submittal of either a Standard General or Individual permits through those agencies.
- 7) **Bid Phase Services** The Consultant will prepare a bid package including front end documents for the bidding of this project. The consultant will also formally respond to questions during the bidding phase of the project and prepare a recommendation of the lowest qualified bidder based on the county prepared bid tabulations.

- 8) Post Design Services The Consultant will provide services necessary to assist the County during the construction phase of this project. The consultant will respond to contractor requests for information, review and approve shop drawings, attend meetings as necessary and revise plans as necessary.
- C. Project Deliverables -The Consultant shall provide the following deliverables:
 - 1) Design Concept Report (approximately 10% phase)
 - 2) Design Survey (after Preliminary Phase)
 - 3) Preliminary and Final Geotechnical Report (after Preliminary Phase)
 - 4) Utility Clearance Certifications (@ 90%)
 - 5) Environmental Permits (@ 90%)
 - 6) Engineers Estimates (60%, 90% and Final)
 - 7) Construction Plans (60%, 90%% and Final)
- D. Project Schedule -The Consultant shall provide the services included herein within a total of xx weeks from NTP in accordance with the following milestones:
 - 1) Design Concept Report 6 weeks from NTP
 - 2) Survey and Geotechnical Report 8 weeks from concept approval
 - Utility Clearance Certifications 26 weeks from NTP
 - 4) Environmental Permits 26 weeks from NTP
 - 5) Construction Plans / Engineers Estimates
 - 1. 60% 12 weeks from concept approval
 - 2. 90% 8 weeks from 60% approval
 - 3. Final / Bid Docs- 4 weeks from 90% approval

The total estimated time to complete this project is 30 weeks from EltonAlan's receipt of an NTP.

Pratt Siding Road

Survey Ba	Staff I Loaded Labor DATA COLLECTION SERVICES	,	Totals Allowabled F	DOT OF	Hourly R	175,99%	Staffho	Project E	Man Man ngin \$65.0	ager / Sr. eer		Des	igner	CADD.	Tech / A	dmin		
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	ana Taale			description														T
Right of W	ase rask								:			:			:		\$ 25,000.00	
	Vay Mapping											:					\$ -	Existing ROW data will be collected but no mapping included for additional right f way at this point in time.
Geotechni																	\$ 15,000.00	
	ental - Wetland Delineation and Protected Assessment											:			<u> </u>		\$ 7,500.00	
	Data Collection Sub	ototal											1				\$ 47,500.00	
TASK 2- F	ROADWAY DESIGN ANALYSIS AND PLANS	(Base	ed on the A	ssump	tion tha	t Addition	al Right of Wa	ay will N	ot Be	Required)							
Fie	eld Review / Site Visit	2	visits x	8	Hrs =	16	Staff Hours	8	· . \$	1,578.88	8	\$	988,64	0	\$	-	\$ 2,567.52	4 Hour Trips (incl travel) x two people)
gg Tra	affic Analysis	1	analysis x	24	Hrs =	24	Staff Hours	4	\$	789.44	15	\$	1,853,70	5	\$ 27	3.35	\$ 2,916.49	Develop design traffic volumes based on County data
NALY Pav	vernent Design	1	designs x	4	Hrs =	4	Staff Hours	1	\$	197.36	3	s	370.74	0	\$	-	\$ 568.10	In conjunction with geotec analysis
DESIGN ANALYSIS	pical Section Design	2	design x	24	Hrs =	48	Staff Hours	8	\$	1,578.88	29	\$	3,583.82	11	\$ 60	1.37	\$ 5,764.07	
Ros	nadway Design Analysis	1.5	miles x	120	Hrs =	184	Staff Hours	28	\$	5,526.08	111	\$	13,717.38	45	\$ 2,46	0.15	\$ 21,703.61	Preliminary Conceptual design, final design, plus revisions/updates @ 90% and Final Plan Phase
Tra	affic Control Plan Design Analysis	1.5	miles x	24	Hrs =	37	Staff Hours	6	. \$	1,184.16	23	\$	2,842.34	8	\$ 43	7.36	\$ 4,463.86	40 hours for MOT concept development, and 8 hours per mile.
Ke	ey Sheet	1	sheets x	6	Hrs =	6	Staff Hours	1	\$	197.36	4	\$	494.32	1	, \$ 5	4.67	\$ 746.35	
St	ummary of Pay Items	1	sheets x	16	Hrs =	16	Staff Hours	3	\$	592.08	10	\$	1,235.80	3	\$ 16	4.01	\$ 1,991.89	Initial development @ 60%, updates @ 90% and Final
Ту	ypical Sections	2	sheets x	12	Hrs =	24	Staff Hours	4	\$	789.44	15	: \$	1,853.70	5	: \$ 27	3,35	\$ 2,916.49	CADD work only (Preferred T.S. Developed Previously)
Ge	ieneral Notes	1	sheets x	12	Hrs =	12	Staff Hours	2	\$	394.72	8	\$	988.64	2	\$ 10	9.34	\$ 1,492.70	
l	ummary of Quantities Sheets	25	sheets x	4	Hrs =	100	Staff Hours	15	\$	2,960.40	60	s	7,414.80	25	\$ 1,36	6.75	\$ 11,741.95	
PLANS	roject Layout	3	sheets x	8	Hrs =	24	Staff Hours	4	\$	789.44	15	; \$	1,853.70	5	\$ 27	3.35	\$ 2,916.49	500 Scale Layout Sheets Plus one Benchmark Sheet
ROADWAY PLANS	oadway Plan and Profiles	15	sheets x	4	Hrs =	60	Staff Hours	9	\$	1,776.24	36	\$	4,448.88	15	\$ 82	20,05	\$ 7,045.17	40 Scale
ROAL	atersection Detail Sheets	3	sheets x	16	Hrs =	48	Staff Hours	8	\$	1,578.88	29	; \$	3,583.82	11	\$ 60	1.37	\$ 5,764.07	Both Ends Plus Railroad Crossing
So	oil Survey Sheet	1	sheets x	2	Hrs =	2	Staff Hours	1	\$	197.36	2	: \$	247.16	-1	\$ (5	54.67)	\$ 389.85	
Cr	ross Sections	32	sheets x	1.5	Hrs =	49	Staff Hours	8	\$	1,578.88	30	\$	3,707.40	11	; \$ 60	1.37	\$ 5,887.65	100 Foot Spacing, (plus one at each driveway) - 3 Sections Per Sheet
Er	rosion Control Details & Plans	15	sheets x	1	Hrs =	15	Staff Hours	3	s	592.08	9	\$	1,112.22	3	\$ 16	34.01	\$ 1,868.31	40 Scale
Tra	raffic Control Typicals and Notes	3	sheets x	8	Hrs =	24	Staff Hours	4	. \$	789.44	15	\$	1,853.70	5	\$ 27	3.35	\$ 2,916.49	
Sp	pecial Details	2	sheets x	16	Hrs =	32	Staff Hours	5	: \$	986.80	20	- \$	2,471.60	7	\$ 38	32.69	\$ 3,841.09	

Pratt Siding Road Project Length (miles): 1.5

Tasks	Staff I	Hour	Totals			St	ffhour [Distri	ibutior		,,	- 110						***	
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Roady	way Design Documentation Report	1	each x	60	Hrs =	60 Staff Ho	urs 9	:	\$ 1,	,776.24	36	. \$	4,448.88	15		820.05	\$	7,045.17	
Quant	ities	1.5	miles x	24	Hrs =	37 Staff Ho	urs 6	3 .	\$ 1,	,184.16	23	\$	2,842.34	8	\$	437.36	\$	4,463.86	Initial comps @ 60%, updates @ 90% and Final
Cost 8	& Contract Time Estimate	4	each x	12	Hrs =	48 Staff Ho	urs 8	3	\$ 1,	,578.88	29	\$	3,583.82	11	. 5	601.37	\$		Initial estimate @ Concept Phase plus 60% estimate and updates @ 90% and Final
Techn	nical Specifications	1	each x	24	Hrs =	24 Staff Ho	urs 4		\$	789.44	15	\$	1,853.70	5	\$	273,35	\$	2,916.49	
	Roadway Technical Hours Sub-Total			,		894 Hrs To	al	:				:			,				
	Project Administration / Coordination	3%	×	894	Hrs =	27 Staff Ho	urs 1	4	\$ 2,	,763.04	0	\$	•	13	\$	710.71	\$	3,473.75	Includes coordination / meetings with Nassau County, our subs and other stakeholders: If/as necessary
	QA/QC	5%	×	894	Hrs =	45 Staff Ho	urs () 	\$	-	0	\$	~	0	•	-	<u>s</u>		Independent QA/QC performed by subconsultant
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TASK	3 - DRAINAGE ANALYSIS AND PLANS (Based of	on the	Assumpti	on tha	t Stormw	ater Ponds will No	t be Req	uired	i)							achie i			Market Committee Com The Committee Commit
, a	Field Review / Site Visit	2	each x	8	Hrs =	16 Staff Ho	urs 8		\$ 1,	,578.88	8	\$	988.64	0	. \$	-	\$	2,567,52	4 Hour Trips (incl travel) x two people)
ALYSI	Drainage Basin Hydrology Analysis	1	each x	80	Hrs =	80 Staff Ho	urs 1	2	\$ 2,	,368.32	48	\$	5,931.84	20	. 9	1,093.40	\$	9,393,56	
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DESK	Design of Roadway Ditches	3.1	miles x	16	Hrs =	49 Staff Ho	urs 8	3	\$ 1,	,578.88	30	\$	3,707.40	11	: \$	601.37	\$	5,887.65	
	Box Culvert Structural Design Analysis	0	each x	0		0	C	:	\$	-	0	\$	•	0	. \$	-	\$	-	
	Drainage Maps	4	sheets x	12	Hrs =	48 Staff Ho	urs 8	3 .	\$ 1,	,578.88	29	\$	3,583.82	11	' \$	601,37	s	5,764.07	200 Scale Plus one Master Drainage Map sheet
DRAINAGE PLANS	Special Drainage Detail Sheets	3	each x	16	Hrs =	48 Staff Ho	urs 8	3 :	\$ 1,	,578.88	29	\$	3,583,82	11		601.37	\$	5,764.07	Detailed grading around box culvert replacement
NAGE	Summary of Drainage Structures Sheets	1.5	each x	16	Hrs =	25 Staff Ho	urs 4	!	\$	789.44	15	\$	1,853.70	6	. \$	328.02	\$	2,971.16	
DRA	Ret/Det Pond Detail Sheets	0	each x			0	(,	\$	-	0	\$	-	0	: \$		\$	-	None anticipated
	Drainage Design Documentation Report	1	each x	60	Hrs =	60 Staff Ho	urs S	•	\$ 1,	,776.24	36	\$	4,448.88	15	\$	820.05	\$	7,045.17	
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	Project Administration / Coordination	3%	×	374	Hrs =	12 Staff Ho	urs 6	>	\$ 1,	,184.16	0	: \$	-	6		328.02	\$	1,512.18	Includes coordination / meetings with Nassau County, our subs and other stakeholders it/as necessary
	QA/QC	5%	×	374	Hrs=	19 Staff Ho	urs (. \$	-	0	\$	-	0	\$	-	\$		Independent QA/QC performed by subconsultant
			Dr	ainag	e Total	405 Staff Ho	urs							Section .			\$	46,669.45	
TASK	4 - SIGNING AND PAVEMENT MARKING ANAL	YSIS.	AND PLA	NS						u II et									
alysis	Field Review / Site Visit	1	each x	8	Hrs =	8 Staff Ho	urs 4	: 1	s	789.44	4	\$	494.32	0	. 8	· -	\$	1,283.76	4 Hour Trips (incl travel) x two people)
gn Analysis	SAPM Analysis	1.5	miles x	12	Hrs =	19 Staff Ho	urs 3	3	\$	592.08	12	\$	1,482.96	4	: \$	218.68	\$	2,293.72	

Pratt Siding Road Project Length (miles): 1.5

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General Notes 1 each x 12 Hrs = 12 Staff Hours 2 \$ 394.72 8 \$ 988.64 2 \$ 109.84 \$ 1,402.70 Flan Sheets 15 each x 12 Hrs = 180 Staff Hours 27 \$ 5,328.72 108 \$ 13,346.64 45 \$ 2,469.15 3 21,135.51 40 Scale Special Details 3 each x 8 Hrs = 24 Staff Hours 4 \$ 789.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49 Intersection Details and Railcoad SPM Technical Hours Sub-Total Project Administration / Coordination 394 x 259 Hrs = 8 Staff Hours 4 \$ 789.44 10 \$ - 4 \$ 218.88 \$ 1,008.12 Includes coordination / meetings with Nassau County, our sub-Total 280 TASK S-Utility / Railroad Coordination Utility Conditional Operation 5 \$ each x 2 Hrs = 12 Staff Hours 0 \$ - 0 \$ - 12 \$ 656.04 \$ 668.04 Southern Gas, Level 3 Utility Conditional of 1 each x 24 Hrs = 12 Staff Hours 2 \$ 394.72 8 \$ 998.64 2 \$ 109.34 \$ 1,402.70 100 Scale Utility Condition 1 each x 40 Hrs = 12 Staff Hours 0 \$ - 0 \$ - 12 \$ 656.04 \$ 1,184.16 0 \$ - \$ 1,184.16 0 \$	Ke	y Sheet	1	each x	4	Hrs =	4 Staff Ho	ours	1	\$	197.36	3	\$	370.74	D	: \$	-	\$ 568.10	
Find Streets 15 each x 12 Firs 160 Staff Hours 27 \$ 6,328,72 108 \$ 1,346,634 45 \$2,460,15 \$ 2,135,51 40 Scale	SN Ta	ibulation of Quantifies	1	each x	12	Hrs =	12 Staff Ho	ours	2	, s	394.72	8	. \$	988.64	2	. \$	109.34	\$ 1,492.70)
Project Administration / Coordination 2	¥J G	eneral Notes	1	each x	12	Hrs =	12 Staff Ho	ours	2	\$	394.72	В	\$	988,64	2	\$	109.34	\$ 1,492.70	
SPM Technical Hours Sub-Total 259 Staff Hours 259 Staff Hours 259 Staff Hours 4 \$ 788.44 0 \$.	Pla	an Sheets	15	each x	12	Hrs =	180 Staff Ho	ours	27	\$	5,328.72	108	· \$	13,346.64	45	\$:	2,460.15	\$ 21,135.5	1 40 Scale
Project Administration / Coordination 3% x 259 Hrs = 8 Staff Hours 4 \$ 789.44 0 \$ - 4 \$ 218.88 \$ 1,008.12 staff Hours stakeholders (fras necessary) Coordination Coord	Sp	pecial Details	3	each x	8	Hrs =	24 Staff Ho	ours	4	\$	789.44	15	\$	1,853,70	5	\$	273.35	\$ 2,916.49	intersection Details and Railroad
CAVICE Continue station Coordination Section Coordination Coordinatio		SPM Technical Hours Sub-Total			,	, 	259 Staff Ho	ours		·									
Signing / Pavement Marking Total 280 \$ 32,191.10		Project Administration / Coordination	3%	×	259	Hrs =	8 Staff Ho	ours	4	\$	789.44	0	; \$	-	4	- \$	218,68	\$ 1,008.12	lncludes coordination / meetings with Nassau County, our subs and other stakeholders if/as necessary
TASK 5 - Utility Contacts (Letters) 6 each x 2 Hrs = 12 Staff Hours 0 \$ - 0 \$ - 12 \$ 656.04 \$ Seed Southern Cas, Level 3 Utility Relocation Plans 6 sheets x 2 Hrs = 12 Staff Hours 2 \$ 394.72 8 \$ 989.64 2 \$ 109.34 \$ 1,492.70 100 Scale Utility Coordination / followup 6 each x 2 Hrs = 12 Staff Hours 6 \$ 1,184.16 6 \$ 741.48 0 \$ - \$ 1,925.64 Includes utility plans research and coordinating with "Sunshine Railroad Coordination 1 each x 40 Hrs = 40 Staff Hours 20 \$ 3,947.20 20 \$ 2,471.60 0 \$ - \$ 6,418.80 Utility Coordination 6 each x 1 Hrs = 6 Staff Hours 6 \$ 1,184.16 0 \$ - 0 \$ - \$ 1,184.16 Utility Coordination Total 82 Staff Hours 6 \$ 1,184.16 0 \$ - 0 \$ - \$ 1,184.16 Utility Coordination Total 83 Staff Hours 6 \$ 1,184.16 0 \$ - 0 \$ - \$ 1,184.16 Utility Coordination Total 84 Staff Hours 7 Staff Hours 8 Staff Hours 9 Staff Hou		QA/QC	5%	×	259	Hrs =	13 Staff Ho	ours	0	\$	-	0	\$	-	0	\$	_	<u>s -</u>	-
Utility Contacts (Letters)		Signing	/Pav	vement M	arking	Total	280	sactic values	Postin Will	ONINGS on a	essetSections	ery-mental-color	Tretene	Section of the section of	a novake velikost 1.00	95827U	sachetomorisi()	\$ 32,191.10	
Utility Coordination Family Coordination Family Coordination Coordina	TASK 5 -	Utility / Railroad Coordination	100												1				
Utility Coordination / followup 6 each x 2 Hrs = 12 Staff Hours 6 \$ 1,184.16 6 \$ 741.48 0 \$ - \$ 1,925.64 Includes utility plans research and coordinating with "Sunshine Railroad Coordination 1 each x 40 Hrs = 40 Staff Hours 20 \$ 3,947.20 20 \$ 2,471.60 0 \$ - \$ 6,418.80 Utility Certification 6 each x 1 Hrs = 6 Staff Hours 6 \$ 1,184.16 0 \$ - 0 \$ - \$ 1,184.16 Utility CoordinationTotal 82 Staff Hours TASK 6 - ENVIRONMENTAL PERMITTING SJRWMD Permitting (wetlands only) 1 each x 24 Hrs = 24 Staff Hours 4 \$ 769.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49 USACOE Permitting 1 each x 24 Hrs = 24 Staff Hours 4 \$ 789.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49 Wetlands	Utility Con	tacts (Letters)	6	each x	2	Hrs =	12 Staff Ho	ours	0	· \$	-	0	\$	-	12	\$	656.04	\$ 656.04	
Railroad Coordination 1 each x 40 Hrs = 40 Staff Hours 20 \$ 3,947.20 20 \$ 2,471.60 0 \$ - \$ 6,418.80 Utility Certification 6 each x 1 Hrs = 6 Staff Hours 6 \$ 1,184.16 0 \$ - 0 \$ - \$ 1,184.16 Utility Coordination Total 82 Staff Hours \$ 11,677.34 TASK 6 - ENVIRONMENTAL PERMITTING: SJRWMD Permitting (wetlands only) 1 each x 24 Hrs = 24 Staff Hours 4 \$ 769.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49 USACOE Permitting 1 each x 24 Hrs = 24 Staff Hours 4 \$ 789.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49 Wetlands	Utility Relo	ocation Plans	6	sheets x	2	Hrs =	12 Staff Ho	ours	2	\$	394.72	8	\$	988,64	2	\$	109.34	\$ 1,492.70	0 100 Scale
Utility Certification 6 each x 1 Hrs = 6 Staff Hours 6 \$ 1,184.16 0 \$ - 0 \$ - \$ 11,677.34 Utility CoordinationTotal 82 Staff Hours TASK 6 - ENVIRONMENTAL PERMITTING SJRWMD Permitting (wetlands only) 1 each x 24 Hrs = 24 Staff Hours 4 \$ 769.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49 USACOE Permitting 1 each x 24 Hrs = 24 Staff Hours 4 \$ 789.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49	Utility Coo	rdination / followup	6	each x	2	Hrs =	12 Staff Ho	ours	6	\$	1,184.16	6	\$	741.48	0	\$	-	\$ 1,925.64	Includes utility plans research and coordinating with "Sunshine One Call"
Utility CoordinationTotal 82 Staff Hours \$ 11,677.34	Railroad C	Coordination	1	each x	40	Hrs =	40 Staff Ho	ours	20	\$	3,947.20	20	\$	2,471.60	0	: \$	-	\$ 6,418.80	0
TASK 6 - ENVIRONMENTAL PERMITTING: SJRWMD Permitting (wetlands only) 1 each x 24 Hrs = 24 Staff Hours 4 \$ 769.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49 USACOE Permitting 1 each x 24 Hrs = 24 Staff Hours 4 \$ 789.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49 Wetlands	Utility Cert	ification	6	each x	1	Hrs =	6 Staff Ho	ours	6	\$	1,184.16	0	\$	-	0	\$	-	\$ 1,184.16	5
SJRWMD Permitting (wetlands only) 1 each x 24 Hrs = 24 Staff Hours 4 \$ 789.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49 USACOE Permitting 1 each x 24 Hrs = 24 Staff Hours 4 \$ 789.44 15 \$ 1,853.70 5 \$ 2,916.49 Wetlands	essentation and the	Not an an analysis and a Miller of the second of the secon	Util	ity Coordi	inatio	nTotal	82 Staff Ho	ours	Sertions.	evisa	Salas and desays	Saseman.	er Passara	anvantz entralität	nedstatistis	STA190.		\$ 11,677.34	
USACOE Permitting 1 each x 24 Hrs = 24 Staff Hours 4 \$ 789.44 15 \$ 1,853.70 5 \$ 273.35 \$ 2,916.49 Wellands	Next William											l e			Ī			I	1
			1	each x	24	Hrs =	24 Staff Ho	ours	4	. \$	789,44				<u> </u>				
				each x	24	Hrs =	24 Staff Ho	ours	4	\$	789.44	15	\$	1,853.70					Wetlands
	Stormwate	er Permitting (Documentation / application for ex	1	each x	40	Hrs =	40 Staff Ho	ours	6	\$	1,184.16	24	\$	2,965.92	10	: \$	546.70	\$ 4,696.78	
Permit Meetings 4 each x 4 Hrs = 16 Hrs Total 8 \$ 1,578,88 8 \$ 988,64 0 \$ - \$ 2,567.52 preparation and minutes	Permit Me	etings	4	each x	4	Hrs =	16 Hrs To	otal	8	\$	1,578.88	8	\$	988,64	0	\$	-	\$ 2,567.52	2 Migs Each with SJRWMD, USACOE @ 4 Hrs each incl 2 attendees , preparation and minutes
Permitting Total 104 Staff Hours \$ 13,097.28 \$				Pern	nitting	Total	104 Staff Ho	ours						·····			*****	\$ 13,097.28	3 \$ 13,097.28

Pratt Siding Road

					P	roject Len		Siding I miles):		ıd					
Tasks Staff	Hour	Totals		our Distr											
					E	ngineer	eer		Sr. Designer (\$18,00 \$31,68			
		Alleumbled	Raw Hourly ! FDOT OH Rate:			\$65,00 \$114,39		\$40.70 \$71,63							
		Allowabled	Profit Rate;			\$17,94		\$11.24 \$123.58			\$4,97				
Loaded Labor	Rates					\$197.36					\$54.67			Cost Totals	
	Qty.	Unit	Hours per Unit	Total Hours	Hours	Cost		Hours		Cost	Hour	rs :	Cost	Cost	Comments
FASK 7 - BID PHASE SERVICES															
Development of Final Bid Package	1	each x	16 Hrs=	16 Staff Hours	3	\$ 592	2.08	10	\$	1,235.80	3	\$	164.01	\$ 1,991.	89
Contractor inquiry response, pre-bid mtg attendance, bid	1	each x	24 Hrs =	24 Staff Hours	4	\$ 789	9.44	15	\$	1,853.70	5	, \$	273,35	\$ 2,916.	49
	Bid	Phase Se	ervices Total	40 Staff Hours										\$ 4,908.	38
							тот	AL LUMF	su s	IM AMOUI	VT (Ta	sks 1-	7 above)	\$ 267,209.	04 Total Lump Sum Amount
imiting Amount Tasks:							eressal hitter								
FASK 8 - POST DESIGN SERVICES								(mat) (m)		2003 2003					
Post Design Services					20	\$ 3,947	7.20	8 -	\$	988.64	В	. \$	437,36	\$ 5,373.	20
	*******							TOTAL	LIMI	TING AM	TNUC	(Task	8 above)	\$ 5,373.	20 Total Limiting Amount
	*****			<u> </u>			TOTA	AL CONT	RAC	CT AMOU	VT (Ta	sks 1~	ß above)	\$ 272,582	24 Total Contract Amount