

City of Palm Coast, Florida Agenda Item

Agenda Date: August 15, 2023

Department	CONSTRUCTION MANAGEMENT & ENGINEERING	Amount	\$901,933.32
Division	ENGINEERING	Account #	21097011-063000-54507
Subject:	RESOLUTION 2023-XX APPROVING AN AMENDMENT TO THE DRMP, INC., CONTRACT FOR DESIGN MODIFICATIONS FOR THE OLD KINGS ROAD NORTH WIDENING PHASE II DESIGN		
Presenter:	Carl Cote, Director of Stormwater & Engineering		
Attachments:	<ol style="list-style-type: none"> 1. Presentation 2. Resolution 3. Scope of work 4. Contract 		
Background:	<p>Council Priority: C. Safe and Reliable Services</p> <p>The City has received State funding of approximately \$18 million dollars in the current fiscal year to fund the construction of a portion of a design plan the City completed in 2020 for the widening of Old Kings Road north of Kings Way. The original design plan will need to be modified to conform to the current Florida Department of Transportation (FDOT) specifications. Plan modifications will include dividing the current design plan to fit the assigned construction dollars and investigation of traffic signal warrants.</p> <p>The project design scope will be an expansion of Old Kings Road from a two-lane roadway into a four-lane roadway from Kings Way (north intersection) to Frontier Drive. The scope will include replacement of the existing crossdrains (2) at the Big Mulberry Branch crossing (just north of Frontier Drive) with concrete box culverts due to deterioration of the metal culverts.</p> <p>Under existing contract (RFSQ-CD-CP-13-07), staff negotiated a scope and fee with DRMP, Inc., the original plan designer, for an amount not-to-exceed \$901,933.32. City staff has determined that the cost for these services are reasonable and fair and are consistent with these types of services for a project of this size and scope. Funds for this project are budgeted in the Transportation Impact Fee Fund.</p>		

SOURCE OF FUNDS WORKSHEET FY 2023

Transportation Impact-21097011-063000-54507	\$200,000.00
Total Expenses/Encumbered to date	\$0.00
Pending Work Orders/Contracts	\$0.00
Current Contract	<u>\$200,000.00</u>
Balance	\$0.00

SOURCE OF FUNDS WORKSHEET FY 2024/25

Transportation Impact-21097011-063000-54507	\$2,100,000.00
Total Expenses/Encumbered to date	\$0.00
Pending Work Orders/Contracts	\$0.00
Current Contract	<u>\$701,933.32</u>
Balance	\$1,398,066.68

Recommended Action:

**ADOPT RESOLUTION 2023-XX APPROVING AN AMENDMENT TO THE DRMP, INC.,
CONTRACT FOR DESIGN MODIFICATIONS FOR THE OLD KINGS ROAD NORTH
WIDENING PHASE II DESIGN**



Old Kings Road North Widening – Phase II

August 15, 2023





PALM COAST PARKWAY

FOREST GROVE DR

BEGIN PROJECT

END PROJECT

OLD KINGS ROAD

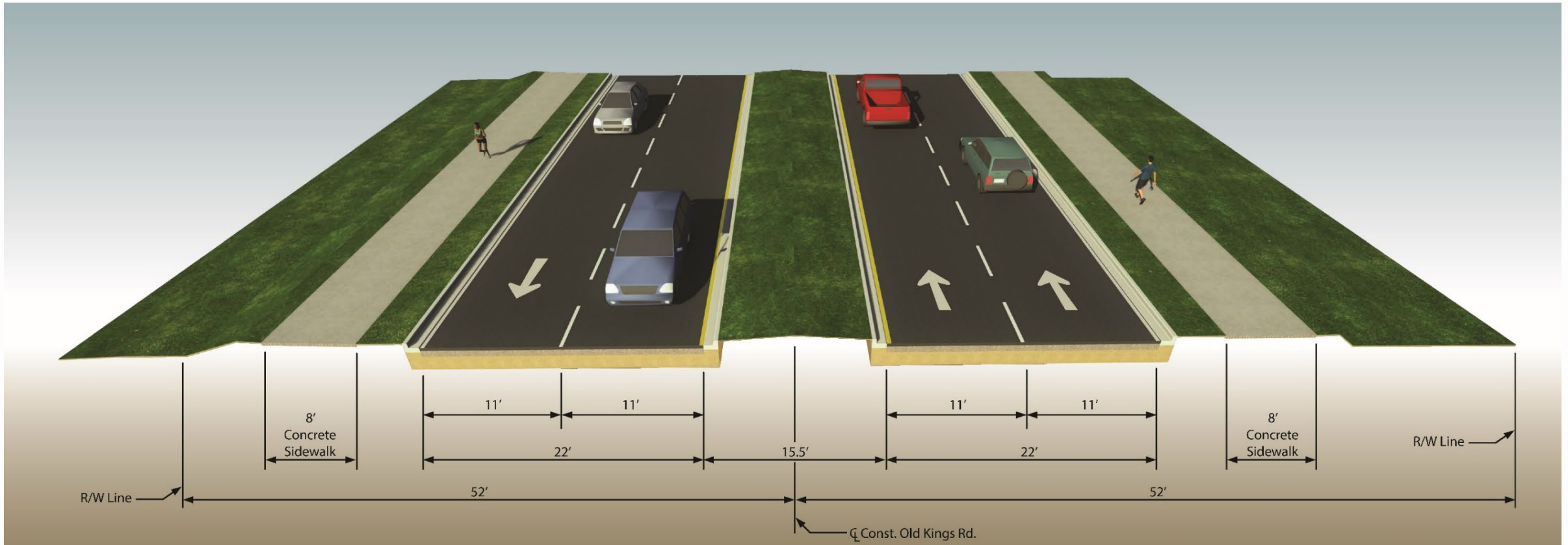
PHASE 1
Construction
Completed

PHASE 2 (construction)
Funded by Legislative
Priority A

PHASE 3
(construction)
Not Funded



- Approximately 3.5 miles
- Modify roadway from a 2-lane roadway to a 4-lane divided roadway
- Modify and add limited turn lanes
- Provide 8-foot-wide paths on both sides of the road
- Continuous street lighting
- Replace existing strain pole traffic signal with a new mast arm





Construction Phase II:

- FY23-24 Project Funded as part of State Budget per City Legislative Priority Submission
- Current City Council Action
 - Approve Contract with DRMP in the Amount of \$901,933.32 (design update & post design services)
- Future City Council Action
 - Awaiting Agreement from FDOT
 - Approve Construction Contract, Construction Engineering & Inspection Services and Project Contingency

Questions?

**RESOLUTION 2023 - _____
OLD KINGS ROAD NORTH WIDENING PHASE II**

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, APPROVING AN AMENDMENT TO THE DRMP, INC. CONTRACT FOR DESIGN MODIFICATIONS FOR THE OLD KINGS ROAD NORTH WIDENING PHASE II DESIGN: PROVIDING AUTHORIZATION TO EXECUTE; PROVIDING FOR FUTURE AMENDMENTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; PROVIDING FOR IMPLEMENTING ACTIONS; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, DRMP, Inc., desires to provide engineering design modifications to the original design for phase II of the Old Kings Road North Widening Project; and

WHEREAS, the City Council of the City of Palm Coast desires to approve the above-mentioned services for the City of Palm Coast.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, AS FOLLOWS:

SECTION 1. LEGISLATIVE AND ADMINISTRATIVE FINDINGS. The above recitals (whereas clauses) are hereby adopted as the legislative and administrative findings of the City Council.

SECTION 2. APPROVAL OF WORK ORDER. The City Council of the City of Palm Coast hereby approves the terms and conditions of an amendment to the original design contract with DMRP, Inc., for engineering design services for phase II of the Old Kings Road North Widening Project as attached hereto and incorporated herein by references as Exhibit "A."

SECTION 3. AUTHORIZATION TO EXECUTE. The City Manager, or designee, is hereby authorized to execute the necessary documents.

SECTION 4. FUTURE AMENDMENTS. The City Manager, or designee is hereby authorized to approve any future amendments to the Master Services Agreement in accordance with the limits as set forth in Chapter 2, Division 3 Purchases and Contractual Services relating to the purchase approved by this Resolution.

SECTION 5. SEVERABILITY. If any section or portion of a section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

SECTION 6. CONFLICTS. All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

SECTION 7. IMPLEMENTING ACTIONS. The City Manager is hereby authorized to take any actions necessary to implement the action taken in this Resolution.

SECTION 8. EFFECTIVE DATE. This Resolution shall take effect immediately upon adoption by the City Council.

DULY PASSED AND ADOPTED by the City Council of the City of Palm Coast, Florida, on this 15th day of August 2023.

ATTEST:

CITY OF PALM COAST

KALEY COOK, CITY CLERK

DAVID ALFIN, MAYOR

APPROVED AS TO FORM AND LEGALITY:

NEYSA BORKERT, CITY ATTORNEY

Attachments: Exhibit A - DRMP, Inc., Contract

Section 1
City of Palm Coast
Old Kings Road Widening Phase II
General Description of Services

A PURPOSE

The City of Palm Coast (City) is seeking professional services to update the construction plans originally completed in 2021. The plans will be revised to match the completed Phase I project at the southern end through approximately the Big Mullberry Branch culvert crossing based on anticipated funding of \$18.4 million in FY 2024.

Background/Description (Purpose and Need):

The design and construction plans for the Old Kings Road Widening from South of Kingswood Dr./Brighton Cir. To south of Forest Grove Dr. was completed in August of 2017. The City of Palm Coast coordinated funding for the construction of Phase I project with FDOT in 2021 and construction was completed in 2023 to north of Palm Harbor Village Way (approx. STA 118+00). The City has coordinate for additional funding in FY 2024 for the next Phase to continue widening to the north. Phase II is anticipated to be approximately 7,000 LF (STA 118+00 to STA 188+00 (final limits to be determined by the construction cost estimate) and will include replacement of the existing crossdrains (2) at the Big Mullberry Branch crossing with concrete box culverts due to deterioration of the metal culverts.

B OBJECTIVE

The general objective is for the Consultant to update the construction plans within the above limits to current FDOT Standards and Specifications to be used by the City and Contractors to completely construct the proposed improvements, and by the FDOT to ensure the project is built as designed and to specifications. The design will include the following:

Update Plans: STA 118+00 to STA 190+00 (based on funding)

- Roadway Design (transitions to existing, MOT design-ETM)
- Signalization, Signing and Pavement Marking Design for transitions
- Lighting Design
- Utility Coordination (Inwood)
- Landscaping and irrigation revisions (ETM)
- Plan and Specification Updates based on current FDOT Standards
- Permitting Coordination (Gopher Tortoise and ERP) – Included at optional service
- Quantities updates
- Construction Cost Estimates
- CEI Estimate (for budgeting)
- FDOT ERC Submittals and Coordination
- Updated survey and SUE
- Upload 3 submittals COPC CDPlus internet portal – Individual sheets with unique names (Final Signed and Sealed set as one document with additional signature page)
- R/W Mapping (Sketches and Descriptions): As needed only
- Optional Services for Signals at 2 Intersections: Roadway and drainage updates, Traffic Signal Plans, Structural Design and geotechnical investigations for mast arms

➤ FEE ESTIMATE: Plans Update (Lump Sum)	\$625,908.32
➤ FEE ESTIMATE: Plans Update (Optional Services excluding post design – Time and Materials)	\$149,370.00
➤ FEE ESTIMATE: Plans Update Total	\$775,278.32

Post Design Services

- Progress Meetings with CEI
- Shop Drawing Reviews
- RFI Responses
- Plan Revisions (as needed)
- Construction Field Reviews

➤ FEE ESTIMATE: Post Design Services (Time and Materials)	\$126,655.00
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Total: \$901,933.32

All plans and design documents are to be prepared with Standard English values in accordance with all applicable FDOT manuals and guidelines.

C PROJECT SCHEDULE

The project schedule is based on delivering completed signed and sealed plans and specifications to FDOT for Letting in Early May and assumes a 60-day advertisement (FDOT Production date March 1, 2024) and NTP from the City in August 2023.

*The 60-day ad is likely not required for this project and is used to build some float into the schedule. The final advertisement duration will be coordinated with the City and FDOT.

NTP	August 2023
90% Plans Submittal to City	Late October 2023
City 90% review Comments to Consultant	Mid November 2023 (3 Week review period)
Revised 90% submittal to FDOT (ERC)	Mid December 2023 (4 week review period)
FDOT 90% ERC Review complete	Mid January 2024
100% Submittal to FDOT (ERC)	Early February 2024
FDOT 100% Review Complete	Mid February 2024 (2 week review for verification)
Specifications Submittal	Late February 2024

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Old Kings Road Phase II
 County: Flagler
 FPN: 999999-1-52-01
 FAP No.: 54321

Consultant Name: DRMP
 Consultant No.: enter consultants proj. number
 Date: 8/7/2023
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Senior Project Manager II	Chief Engineer II	Senior Engineer 1	Engineer VIII	Engineer III	Engineer I	Engineering Technician 1	Senior Ecologist	Environmental Scientist II	Administrative Support II	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$325.00	\$265.00	\$235.00	\$205.00	\$170.00	\$110.00	\$85.00	\$210.00	\$115.00	\$85.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	255	51	64	51	0	25	38	13	0	0	13	0	0	255	\$56,160	\$220.24
4. Roadway Analysis	504	25	25	101	151	152	0	25	0	0	25	0	0	504	\$99,530	\$197.48
5. Roadway Plans	148	7	7	30	45	45	0	7	0	0	7	0	0	148	\$29,245	\$197.60
6a. Drainage Analysis	146	7	7	29	29	45	15	7	0	0	7	0	0	146	\$27,380	\$187.53
6b. Drainage Plans	52	3	3	10	10	15	5	3	0	0	3	0	0	52	\$9,780	\$188.08
7. Utilities	36	0	4	0	14	0	0	18	0	0	0	0	0	36	\$5,460	\$151.67
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	53	1	3	11	13	18	7	0	0	0	0	0	0	53	\$10,200	\$192.45
17. Structures - Retaining Walls	19	0	1	4	5	7	2	0	0	0	0	0	0	19	\$3,640	\$191.58
18. Structures - Miscellaneous	112	2	6	22	28	39	15	0	0	0	0	0	0	112	\$21,430	\$191.34
19. Signing & Pavement Marking Analysis	83	2	4	17	27	29	0	0	0	0	4	0	0	83	\$16,510	\$198.92
20. Signing & Pavement Marking Plans	40	1	2	8	13	14	0	0	0	0	2	0	0	40	\$7,950	\$198.75
21. Signalization Analysis	96	2	5	19	32	33	0	0	0	0	5	0	0	96	\$19,035	\$198.28
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	105	2	5	21	35	37	0	0	0	0	5	0	0	105	\$20,800	\$198.10
24. Lighting Plans	64	1	3	13	21	23	0	0	0	0	3	0	0	64	\$12,645	\$197.58
Total Staff Hours	1,713	104	139	336	423	482	82	73	0	0	74	0	0	1,713		
Total Staff Cost		\$33,800.00	\$36,835.00	\$78,960.00	\$86,715.00	\$81,940.00	\$9,020.00	\$6,205.00	\$0.00	\$0.00	\$6,290.00	\$0.00	\$0.00		\$339,765.00	\$198.35

Check = \$339,765.00

Survey Field Days by Subconsultant
 4 - Person Crew:

Notes:
 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.

SALARY RELATED COSTS:		\$339,765.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
SUBTOTAL ESTIMATED FEE:		\$339,765.00
Survey: DRMP		\$37,960.00
SUE: DRMP		\$85,980.00
Subconsultant: ETM		\$128,170.00
Subconsultant: traffic counts		\$4,000.00
Subconsultant: Inwood		\$30,033.32
SUBTOTAL ESTIMATED FEE:		\$625,908.32
Optional Services: See separate Fee tab		\$276,025.00
GRAND TOTAL ESTIMATED FEE:		\$901,933.32

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Old Kings Road Phase II
 County: Flagler
 FPN: 999999-1-52-01
 FAP No.: 54321

Consultant Name: DRMP
 Consultant No.: enter consultants proj. number
 Date: 8/7/2023
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Senior Project Manager II	Chief Engineer II	Senior Engineer 1	Engineer VIII	Engineer III	Engineer I	Engineering Technician 1	Senior Ecologist	Environmental Scientist II	Administrative Support II	Staff Classification 11	Staff Classification 12	SH	Salary	Average
		\$325.00	\$265.00	\$235.00	\$205.00	\$170.00	\$110.00	\$85.00	\$210.00	\$115.00	\$85.00	\$0.00	\$0.00	By Activity	Cost By Activity	Rate Per Task
3. Project General and Project Common Tasks	484	97	121	97	0	48	73	24	0	0	24	0	0	484	\$106,655	\$220.36
4. Roadway Analysis	83	4	4	17	25	25	0	4	0	0	4	0	0	83	\$16,410	\$197.71
5. Roadway Plans	20	1	1	4	6	6	0	1	0	0	1	0	0	20	\$3,950	\$197.50
6a. Drainage Analysis	17	1	1	3	3	5	2	1	0	0	1	0	0	17	\$3,150	\$185.29
6b. Drainage Plans	20	1	1	4	4	6	2	1	0	0	1	0	0	20	\$3,760	\$188.00
7. Utilities	84	0	8	0	34	0	0	42	0	0	0	0	0	84	\$12,660	\$150.71
8. Environmental Permits, Compliance & Clearances	246	0	12	0	0	0	0	0	148	74	12	0	0	246	\$43,790	\$178.01
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	4	0	0	1	1	1	1	0	0	0	0	0	0	4	\$720	\$180.00
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	12	0	1	2	3	4	2	0	0	0	0	0	0	12	\$2,250	\$187.50
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	176	4	9	35	58	61	0	0	0	0	9	0	0	176	\$34,935	\$198.49
22. Signalization Plans	44	1	2	9	15	15	0	0	0	0	2	0	0	44	\$8,765	\$199.20
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	1,190	109	160	172	149	171	80	73	148	74	54	0	0	1,190		
Total Staff Cost		\$35,425.00	\$42,400.00	\$40,420.00	\$30,545.00	\$29,070.00	\$8,800.00	\$6,205.00	\$31,080.00	\$8,510.00	\$4,590.00	\$0.00	\$0.00		\$237,045.00	\$199.20

Check = \$237,045.00

Survey Field Days by Subconsultant
 4 - Person Crew:

SALARY RELATED COSTS:		\$237,045.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
SUBTOTAL ESTIMATED FEE:		\$237,045.00
Survey: DRMP (Mapping)		\$11,880.00
Subconsultant: ETM (Post Design)		\$20,000.00
Subconsultant: Ardaman (GEO)		\$7,100.00
SUBTOTAL ESTIMATED FEE:		\$276,025.00
GRAND TOTAL ESTIMATED FEE:		\$276,025.00

Notes:
 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.

Project Activity 3: General Tasks

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.	Donald Brown	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					No Public Involvement Anticipated for update (Confirm with City)
3.1.1	Community Awareness Plan	LS	1	0	0	N/A
3.1.2	Notifications	LS	1	0	0	N/A
3.1.3	Prepare Mailing Lists	LS	1	0	0	N/A
3.1.4	Median Modification Letters	LS	1	0	0	N/A
3.1.5	Driveway Modification Letters	LS	1	0	0	N/A
3.1.6	Newsletters	LS	1	0	0	N/A
3.1.7	Renderings and Fly Throughs	LS	1	0	0	N/A
3.1.8	PowerPoint Presentation	LS	1	0	0	N/A
3.1.9	Public Meeting Preparations	LS	1	0	0	N/A
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	N/A
3.1.11	Other Agency Meetings	LS	1	0	0	N/A
3.1.12	Web Site	LS	1	0	0	N/A
3.1 Public Involvement Subtotal					0	
3.2	Joint Project Agreements	EA	0	0	0	N/A
3.3	Specifications Package Preparation	LS	1	40	40	FDOT Specifications (Assuming LAP) - City to Prepare front end documents.
3.4	Contract Maintenance and EDMS	LS	1	64	64	
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	N/A
3.6	Prime Consultant Project Manager Meetings	LS	1	60	60	See listing below
3.7	Plans Update	LS	1	0	0	N/A

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	See Optional Services
3.9	Digital Delivery	LS	1	15	15	Update signature sheet for 5 EOR at 3 hr EA TOTAL: 5*3 = 15 hr
3.10	Risk Assessment Workshop	LS	1	0	0	N/A
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	N/A
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	See ETM
3.13	Other Project General Tasks	LS	1	76	76	FDOT LAP Coordination (8 month project schedule with 2 ERC submittals -64 hrs), Develop CEI Estimate for budgeting (12 hrs)
3. Project Common and Project General Tasks Total					255	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	3	4	12	
Drainage	EA	1	4	4	
Utilities	EA	12	2	24	Utility Coordination (10 meetings) + COPC Utilities (2 meetings)
Environmental	EA	2	4	8	
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	2	2	4	Signal Warrant analysis coordination
Lighting	EA	0	0	0	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	1	8	8	1 field review @ 8 hr EA

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	Total Project Manager Meetings		21		60	Total PM Meeting Hours carries to Task 3.6 above

Notes:

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.
3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

Project Activity 3: General Tasks

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.	Donald Brown	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					No Public Involvement Anticipated for update (Confirm with City)
3.1.1	Community Awareness Plan	LS	1	0	0	N/A
3.1.2	Notifications	LS	1	0	0	N/A
3.1.3	Prepare Mailing Lists	LS	1	0	0	N/A
3.1.4	Median Modification Letters	LS	1	0	0	N/A
3.1.5	Driveway Modification Letters	LS	1	0	0	N/A
3.1.6	Newsletters	LS	1	0	0	N/A
3.1.7	Renderings and Fly Throughs	LS	1	0	0	N/A
3.1.8	PowerPoint Presentation	LS	1	0	0	N/A
3.1.9	Public Meeting Preparations	LS	1	0	0	N/A
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	N/A
3.1.11	Other Agency Meetings	LS	1	0	0	N/A
3.1.12	Web Site	LS	1	0	0	N/A
3.1 Public Involvement Subtotal					0	
3.2	Joint Project Agreements	EA	0	0	0	N/A
3.3	Specifications Package Preparation	LS	1	0	0	N/A
3.4	Contract Maintenance and EDMS	LS	1	0	0	
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	N/A
3.6	Prime Consultant Project Manager Meetings	LS	1	0	0	See listing below
3.7	Plans Update	LS	1	0	0	N/A

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	484	484	Plan Revisions, RFI's, Shop Drawings and meeting attendance
3.9	Digital Delivery	LS	1	0	0	N/A
3.10	Risk Assessment Workshop	LS	1	0	0	N/A
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	N/A
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	See ETM
3.13	Other Project General Tasks	LS	1	0	0	N/A
3. Project Common and Project General Tasks Total					484	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0	0	0	
Drainage	EA	0	0	0	
Utilities	EA	0	0	0	
Environmental	EA	0	0	0	
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	Total Project Manager Meetings		0		0	Total PM Meeting Hours carries to Task 3.6 above

Notes:

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.
3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

Project Activity 4: Roadway Analysis

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.	Corey Bloxam	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	
4.2	Pavement Type Selection Report	LS	1	0	0	
4.3	Pavement Design Package	LS	1	0	0	
4.4	Cross-Slope Correction	LS	1	0	0	
4.5	Horizontal /Vertical Master Design Files	LS	1	168	168	Assumes design updates for previous COPC comments, begin project and end project transitions to existing, design tweaks based on 100% City and FDOT comments; 8 hr for median curb type update
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	1	0	0	
4.8	Roundabout Final Design Analysis	LS	1	0	0	
4.9	Cross Section Design Files	LS	1	90	90	Assume 13 XS updated per end project transition @ 0.5 hr EA 165 total XS in Phase 2A; Assume updating each with proposed/existing utilities at 0.33 hr EA; Assume existing ground updates to new survey on 15% or 24 XS at 0.5 hr EA 16 hr for median curb type update Total: 13*0.5 + 165*0.33 + 24*0.5 = 7 + 55 + 12 + 16 = 90 hr
4.10	Traffic Control Analysis	LS	1	0	0	ETM
4.11	Master TCP Design Files	LS	1	0	0	ETM
4.12	Selective Clearing and Grubbing	LS	1	0	0	
4.13	Tree Disposition Plan	LS	1	0	0	
4.14	Design Variations and Exceptions	LS	1	0	0	
4.15	Design Report	LS	1	24	24	Updates to design criteria, etc. for FDOT LAP Review
4.16	Quantities	LS	1	68	68	Add 8 hr for additional EW and curb quantities for median curb update
4.17	Cost Estimate	LS	1	12	12	
4.18	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	

Project Activity 4: Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.19	Other Roadway Analyses	LS	1	36	36	12 hr EA submittal for CD plus upload (includes creating Cdplus portal packet, separating plans into individual pdf's, modifying individual file names, upload individual pdfs to portal); 12 hr x 3 submittals = 36 hr; Estimate 515 sheets between all disciplines
Roadway Analysis Technical Subtotal					398	

Project Activity 4: Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.20	Field Reviews	LS	1	16	16	1 field review * 2 people * 8 hr = 16 hr
4.21	Monitor Existing Structures	LS	1	4	4	
4.22	Technical Meetings	LS	1	14	14	Meetings are listed below
4.23	Quality Assurance/Quality Control	LS	%	7%	28	
4.24	Independent Peer Review	LS	%	0%	0	
4.25	Supervision	LS	%	5%	20	
Roadway Analysis Nontechnical Subtotal					82	
4.26	Coordination	LS	%	5%	24	
4. Roadway Analysis Total					504	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	0	0	0		0
Driveways	EA	0	0	0		0
Local Governments (cities, counties, MPO)	EA	1	6	6	yes	1
Work Zone Traffic Control	EA	0	0	0		0
30/60/90/100% Comment Review Meetings	EA	2	4	8	yes	2
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				14	Subtotal Project Manager Meetings	3
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				14	Total Project Manager Meetings (carries to Tab 3)	3

Carries to 4.17

Carries to Tab 3

4. Roadway Analysis (OS)

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.	Corey Bloxam	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	
4.2	Pavement Type Selection Report	LS	1	0	0	
4.3	Pavement Design Package	LS	1	0	0	
4.4	Cross-Slope Correction	LS	1	0	0	
4.5	Horizontal /Vertical Master Design Files	LS	1	27	27	Optional Services A (Farragut Dr Signal): 8 hr for sidewalk/curb ramp updates, median updates, turn lane updates for ped crossings across OKR (400') Optional Services B (Fleetwood Dr Signal): 10 hr for sidewalk/curb ramp updates, median updates, turn lane updates for ped crossings across OKR (700') Optional Services C (Frontier Dr Signal): 9 hr for sidewalk/curb ramp updates, median updates, turn lane updates for ped crossings across OKR (600') Optional Services D (2 license agreement area design modifications): 8 hr total (4 hr EA) TOTAL: 8 + 10 + 9 + 8 = 35 hr (Per meeting with City only 2 of 3 to be included, Use 27 hrs)
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	1	0	0	
4.8	Roundabout Final Design Analysis	LS	1	0	0	
4.9	Cross Section Design Files	LS	1	15	15	Optional Services A (Farragut Dr Signal): 12 XS updates at 0.5 hr EA = 6 hr Optional Services B (Fleetwood Dr Signal): 13 XS updates at 0.5 hr EA = 7 hr Optional Services C (Frontier Dr Signal): 12 XS updates at 0.5 hr EA = 6 hr Optional Services D (2 license agreement area design modifications): 4 XS updates total (2 XS EA) at 0.5 hr EA = 2 hr Total: 6 + 7 + 6 + 2 = 21 hr (Per meeting with City only 2 of 3 included. Use 15 hrs)
4.10	Traffic Control Analysis	LS	1	0	0	ETM
4.11	Master TCP Design Files	LS	1	0	0	ETM
4.12	Selective Clearing and Grubbing	LS	1	0	0	

4. Roadway Analysis (OS)

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.13	Tree Disposition Plan	LS	1	0	0	
4.14	Design Variations and Exceptions	LS	1	0	0	
4.15	Design Report	LS	1	0	0	
4.16	Quantities	LS	1	22	22	Optional Services A (Farragut Dr Signal): 8 hr Optional Services B (Fleetwood Dr Signal): 8 hr Optional Services C (Frontier Dr Signal): 8 hr Optional Services D (2 license agreement area design modifications): 6 hr total (3 hr EA) Total: 8 + 8 + 8 + 6 = 30 hr (Per meeting with City only 2 of 3 included. Use 22 hrs)
4.17	Cost Estimate	LS	1	0	0	
4.18	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
4.19	Other Roadway Analyses	LS	1	0	0	
Roadway Analysis Technical Subtotal					64	

4. Roadway Analysis (OS)

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.20	Field Reviews	LS	1	0	0	
4.21	Monitor Existing Structures	LS	1	0	0	
4.22	Technical Meetings	LS	1	8	8	Meetings are listed below
4.23	Quality Assurance/Quality Control	LS	%	7%	4	
4.24	Independent Peer Review	LS	%	0%	0	
4.25	Supervision	LS	%	5%	3	
Roadway Analysis Nontechnical Subtotal					15	
4.26	Coordination	LS	%	5%	4	
4. Roadway Analysis Total					83	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Access Management	EA	0	0	0		0
15% Line and Grade	EA	0	0	0		0
Driveways	EA	0	0	0		0
Local Governments (cities, counties, MPO)	EA	0	0	0		1
Work Zone Traffic Control	EA	0	0	0		0
30/60/90/100% Comment Review Meetings	EA	0	0	0		2
Other Meetings	EA	4	2	8	yes	1
Subtotal Technical Meetings				8	Subtotal Project Manager Meetings	4
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				8	Total Project Manager Meetings (carries to Tab 3)	4

Carries to 4.17

Carries to Tab 3

Project Activity 5: Roadway Plans

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.	Corey Bloxam	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	4	4	Update Key Sheet
5.2	Summary of Pay Items Including Quantity Input		Sheet	1	4	4	Update Summary of Pay Items Sheets
5.3	Typical Section Sheets						
5.3.1	Typical Sections		EA	1	2	2	Update Typical Section Sheets
5.3.2	Typical Section Details		EA	1	8	8	Update Typical Section Detail Sheets
5.4	General Notes/Pay Item Notes		Sheet	1	2	2	Update General/Pay Item Notes
5.5	Summary of Quantities Sheets		Sheet	1	16	16	Update Summary of Quantities Sheets
5.6	Project Layout		Sheet	0	0	0	
5.7	Plan/Profile Sheet		Sheet	0	0	0	
5.8	Profile Sheet		Sheet	15	0.5	8	
5.9	Plan Sheet		Sheet	15	0.5	8	
5.10	Special Profile		Sheet	1	2	2	
5.11	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	
5.12	Interchange Layout Sheet		Sheet	0	0	0	
5.13	Ramp Terminal Details (Plan View)		Sheet	0	0	0	
5.14	Intersection Layout Details		Sheet	0	0	0	
5.15	Special Details		EA	1	12		Project Split Tie-In Points
5.16	Cross-Section Pattern Sheet(s)		Sheet	0	0	0	
5.17	Roadway Soil Survey Sheet(s)		Sheet	4	1	4	

Project Activity 5: Roadway Plans

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.18	Cross Sections		EA	24	0.5	12	24 XS at 0.5 EA
5.19	Temporary Traffic Control Plan Sheets		Sheet	0	0	0	ETM
5.20	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	ETM
5.21	Temporary Traffic Control Detail Sheets		Sheet	0	0	0	ETM
5.22	Utility Adjustment Sheets		Sheet	15	4	60	
5.23	Selective Clearing and Grubbing Sheet(s)						
5.23.1	Selective Clearing and Grubbing		Sheet	0	0	0	
5.23.2	Selective Clearing and Grubbing Details		Sheet	0	0	0	
5.24	Tree Disposition Sheet(s)						
5.24.1	Tree Disposition Plan Sheet(s)		Sheet	0	0	0	
5.24.2	Tree Disposition Plan Tables and Schedules		Sheet	0	0	0	
5.25	Project Network Control Sheet(s)		Sheet	1	1	1	Update Project Control Sheets
5.26	Environmental Detail Sheets		Sheet	0	0	0	
5.27	Utility Verification Sheet(s) (SUE Data)		Sheet	1	1	1	
Roadway Plans Technical Subtotal						132	
5.28	Quality Assurance/Quality Control		LS	%	7%	9	
5.29	Supervision		LS	%	5%	7	
5. Roadway Plans Total						148	

5. Roadway Plans (OS)

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.	Corey Bloxam	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	0	0	0	
5.2	Summary of Pay Items Including Quantity Input		Sheet	1	4	4	Optional Services A (Farragut Dr Signal): 1 hr Optional Services B (Fleetwood Dr Signal): 1 hr Optional Services C (Frontier Dr Signal): 1 hr Optional Services D (2 license agreement area design modifications): 2 hr (1 hr EA) TOTAL: 1 + 1 + 1 + 2 = 5 hr (Per meeting with City only 2 of 3 included. Use 4 hrs)
5.3	Typical Section Sheets						
5.3.1	Typical Sections		EA	0	0	0	
5.3.2	Typical Section Details		EA	0	0	0	
5.4	General Notes/Pay Item Notes		Sheet	0	0	0	
5.5	Summary of Quantities Sheets		Sheet	1	4	4	Optional Services A (Farragut Dr Signal): 1 hr Optional Services B (Fleetwood Dr Signal): 1 hr Optional Services C (Frontier Dr Signal): 1 hr Optional Services D (2 license agreement area design modifications): 2 hr (1 hr EA) TOTAL: 1 + 1 + 1 + 2 = 5 hr(Per meeting with City only 2 of 3 included. Use 4 hrs)
5.6	Project Layout		Sheet	0	0	0	
5.7	Plan/Profile Sheet		Sheet	0	0	0	
5.8	Profile Sheet		Sheet	0	0	0	
5.9	Plan Sheet		Sheet	0	0	0	

5. Roadway Plans (OS)

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.10	Special Profile		Sheet	0	0	0	
5.11	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	
5.12	Interchange Layout Sheet		Sheet	0	0	0	
5.13	Ramp Terminal Details (Plan View)		Sheet	0	0	0	
5.14	Intersection Layout Details		Sheet	0	0	0	
5.15	Special Details		EA	0	0		
5.16	Cross-Section Pattern Sheet(s)		Sheet	0	0	0	
5.17	Roadway Soil Survey Sheet(s)		Sheet	0	0	0	
5.18	Cross Sections		EA	1	7	7	Optional Services A (Farragut Dr Signal): 12 XS updates at 0.25 hr EA = 3 hr Optional Services B (Fleetwood Dr Signal): 13 XS updates at 0.25 hr EA = 3 hr Optional Services C (Frontier Dr Signal): 12 XS updates at 0.25 hr EA = 3 hr Optional Services D (2 license agreement area design modifications): 1 hr (0.5 hr EA) TOTAL: 3 + 3 + 3 + 1 = 10 hr(Per meeting with City only 2 of 3 included. Use 7 hrs)
5.19	Temporary Traffic Control Plan Sheets		Sheet	0	0	0	
5.20	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	ETM
5.21	Temporary Traffic Control Detail Sheets		Sheet	0	0	0	ETM
5.22	Utility Adjustment Sheets		Sheet	1	3	3	Optional Services A (Farragut Dr Signal): 1 hr Optional Services B (Fleetwood Dr Signal): 1 hr Optional Services C (Frontier Dr Signal): 1 hr Optional Services D (2 license agreement area design modifications): 1 hr (0.5 hr EA) TOTAL: 1 + 1 + 1 + 1 = 4 hr(Per meeting with City only 2 of 3 included. Use 3 hrs)
5.23	Selective Clearing and Grubbing Sheet(s)						
5.23.1	Selective Clearing and Grubbing		Sheet	0	0	0	
5.23.2	Selective Clearing and Grubbing Details		Sheet	0	0	0	
5.24	Tree Disposition Sheet(s)						
5.24.1	Tree Disposition Plan Sheet(s)		Sheet	0	0	0	

5. Roadway Plans (OS)

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.24.2	Tree Disposition Plan Tables and Schedules		Sheet	0	0	0	
5.25	Project Network Control Sheet(s)		Sheet	0	0	0	
5.26	Environmental Detail Sheets		Sheet	0	0	0	
5.27	Utility Verification Sheet(s) (SUE Data)		Sheet	0	0	0	
Roadway Plans Technical Subtotal						18	
5.28	Quality Assurance/Quality Control		LS	%	7%	1	
5.29	Supervision		LS	%	5%	1	
5. Roadway Plans Total						20	

Project Activity 6a: Drainage Analysis

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	0	0	0	
6a.2	Base Clearance Report	Per Location	0	0	0	
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	
6a.4	Design of Cross Drains	EA	0	0	0	
6a.5	Design of Ditches	Per Ditch Mile	0	0	0	
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	
6a.7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond)	Per Cell	1	24	24	Swale treatment within right-of-way for roadway widening from high point at the crossdrain to tie in to existing roadway
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	0	0	0	
6a.9	Design of Storm Drains	EA	6	2.5	15	sed drainage design to address transitions back to 2-lanes with accomodations for future expansion of the full sys
6a.10	Optional Culvert Material	EA	0	0	0	
6a.11	French Drain Systems	Per Cell	0	0	0	
6a.12	Drainage Wells	EA	0	0	0	
6a.13	Drainage Design Documentation Report	LS	1	24	24	Reviise to address transitions and Phase II limits.
6a.14	Bridge Hydraulic Report	EA	0	0	0	

Project Activity 6a: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	0	0	
6a.16	Cost Estimate	LS	1	8	8	Updates at 90% and Final
6a.17	Technical Special Provisions	LS	1	0	0	
6a.18	Other Drainage Analysis	LS	1	32	32	FDOT ERC Coordination (2 submittals)
Drainage Analysis Technical Subtotal					103	
6a.19	Field Reviews	LS	1	16	16	2 Plans in-hand field reviews
6a.20	Technical Meetings	LS	1	8	8	Meetings are listed below
6a.21	Environmental Look-Around (ELA) Meeting	LS	1	0	0	
6a.22	Quality Assurance/Quality Control	LS	%	7%	7	
6a.23	Independent Peer Review	LS	%	0%	0	
6a.24	Supervision	LS	%	5%	5	
Drainage Analysis Nontechnical Subtotal					36	
6a.25	Coordination	LS	%	5%	7	
6a. Drainage Analysis Total					146	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0		0
Pond Siting	EA	0	0	0		0
Agency	EA	1	4	4	yes	1
Local Governments (cities, counties)	EA	1	4	4		0
FDOT Drainage	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				8		1
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				8	Total Project Manager Meetings (carries to Tab 3)	1

Carries to 6.19

Carries to Tab 3

6a. Drainage Analysis (OS)

Estimator:

Old Kings Road Phase II

999999-1-52-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	0	0	0	Updates to accommodate pedestrian features and signalization at Farragutt, Fleetwood or Frontier
6a.2	Base Clearance Report	Per Location	0	0	0	
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	
6a.4	Design of Cross Drains	EA	0	0	0	
6a.5	Design of Ditches	Per Ditch Mile	0	0	0	
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	
6a.7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond)	Per Cell	1	0	0	
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	0	0	0	
6a.9	Design of Storm Drains	EA	4	2.5	10	Updates to accommodate pedestrian features and signalization at Farragutt, Fleetwood or Frontier
6a.10	Optional Culvert Material	EA	0	0	0	
6a.11	French Drain Systems	Per Cell	0	0	0	
6a.12	Drainage Wells	EA	0	0	0	
6a.13	Drainage Design Documentation Report	LS	1	4	4	Updates to accommodate pedestrian features and signalization at Farragutt, Fleetwood or Frontier
6a.14	Bridge Hydraulic Report	EA	0	0	0	

6a. Drainage Analysis (OS)

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	0	0	
6a.16	Cost Estimate	LS	1	0	0	
6a.17	Technical Special Provisions	LS	1	0	0	
6a.18	Other Drainage Analysis	LS	1	0	0	
Drainage Analysis Technical Subtotal					14	
6a.19	Field Reviews	LS	1	0	0	
6a.20	Technical Meetings	LS	1	0	0	Meetings are listed below
6a.21	Environmental Look-Around (ELA) Meeting	LS	1	0	0	
6a.22	Quality Assurance/Quality Control	LS	%	7%	1	
6a.23	Independent Peer Review	LS	%	0%	0	
6a.24	Supervision	LS	%	5%	1	
Drainage Analysis Nontechnical Subtotal					2	
6a.25	Coordination	LS	%	5%	1	
6a. Drainage Analysis Total					17	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0		0
Pond Siting	EA	0	0	0		0
Agency	EA	0	0	0	no	0
Local Governments (cities, counties)	EA	0	0	0		0
FDOT Drainage	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				0		0
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				0	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 6.19

Carries to Tab 3

6b. Drainage Plans

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
6b.1	Drainage Map (Including Interchanges)		Sheet	6	3	18	Revise Drainage Map (1) (culvert table), (2) & (3) and Existing Drainage Map (1), (2) & (4) to remove Phase I & III Information
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	
6b.3	Summary of Drainage Structures		Sheet	2	4	8	Revise Summary of Drainage Structures to remove Phase I and III Information
6b.4	Optional Pipe/Culvert Material		Sheet	0	0	0	
6b.5	Drainage Structure Sheet(s) (Per Structure)		EA	6	2.5	15	Revisions for transitions
6b.6	Miscellaneous Drainage Detail Sheets		Sheet	0	0	0	
6b.7	Lateral Ditch Plan/Profile		Sheet	0	0	0	
6b.8	Lateral Ditch Cross Sections		EA	0	0	0	
6b.9	Retention/Detention Ponds Detail Sheet(s)		Sheet	0	0	0	Swale treatment within right-of-way for roadway widening from high point at the crossdrain to tie in to existing roadway
6b.10	Retention Pond Cross Sections		EA	0	0	0	
6b.11	Erosion Control Plan Sheet(s)		Sheet	2	1	2	Revise Erosion Control Plan Sheet to remove Phase III Information and update
6b.12	SWPPP Sheet(s)		Sheet	2	2	4	Revise for Phase II
Drainage Plans Technical Subtotal						47	
6b.13	Quality Assurance/Quality Control		LS	%	7%	3	
6b.14	Supervision		LS	%	5%	2	
6. Drainage Plans Total						52	

6b. Drainage Plans (OS)

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
6b.1	Drainage Map (Including Interchanges)		Sheet	1	2	2	Updates to accommodate pedestrian features and signalization at Farragutt, Fleetwood or Frontier
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	
6b.3	Summary of Drainage Structures		Sheet	1	4	4	Updates to accommodate pedestrian features and signalization at Farragutt, Fleetwood or Frontier
6b.4	Optional Pipe/Culvert Material		Sheet	0	0	0	
6b.5	Drainage Structure Sheet(s) (Per Structure)		EA	4	2.5	10	Updates to accommodate pedestrian features and signalization at Farragutt, Fleetwood or Frontier
6b.6	Miscellaneous Drainage Detail Sheets		Sheet	0	0	0	
6b.7	Lateral Ditch Plan/Profile		Sheet	0	0	0	
6b.8	Lateral Ditch Cross Sections		EA	0	0	0	
6b.9	Retention/Detention Ponds Detail Sheet(s)		Sheet	0	0	0	
6b.10	Retention Pond Cross Sections		EA	0	0	0	
6b.11	Erosion Control Plan Sheet(s)		Sheet	1	2	2	Updates to accommodate pedestrian features and signalization at Farragutt, Fleetwood or Frontier
6b.12	SWPPP Sheet(s)		Sheet	0	0	0	
Drainage Plans Technical Subtotal						18	
6b.13	Quality Assurance/Quality Control		LS	%	7%	1	
6b.14	Supervision		LS	%	5%	1	
6. Drainage Plans Total						20	

Project Activity 7: Utilities

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	Utility Kickoff Meeting	LS	1	0	0	See Inwood
7.2	Identify Existing Utility Agency Owners (UAO(s))	LS	1	0	0	See Inwood
7.3	Make Utility Contacts	LS	1	0	0	See Inwood
7.4	Exception Processing	LS	1	0	0	not anticipated
7.5	Preliminary Utility Meeting	LS	1	0	0	Meeting is listed below
7.6	Individual/Field Meetings	LS	1	0	0	See Inwood
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	0	0	See Inwood
7.8	Subordination of Easements Coordination	LS	1	0	0	not anticipated
7.9	Utility Design Meeting	LS	1	0	0	Meeting is listed below
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	0	0	See Inwood
7.11	Utility Coordination/Followup	LS	1	0	0	See Inwood
7.12	Utility Constructability Review	LS	1	0	0	See Inwood
7.13	Additional Utility Services	LS	1	0	0	not anticipated
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	not anticipated
7.15	Contract Plans to UAO(s)	LS	1	0	0	N/A City job
7.16	Certification/Close-Out	LS	1	0	0	N/A City job
7.17	Other Utilities	LS	1	32	32	
7. Utilities Total					36	

Project Activity 7: Utilities

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	0	0	0	yes	1
Preliminary Meeting (see 7.5)	EA	0	0	0		0
Individual UAO Meetings (see 7.6)	EA	0	0	0	yes	6
Field Meetings (see 7.6)	EA	0	0	0	yes	2
Design Meeting (see 7.9)	EA	0	2	0	yes	1
Other Meetings (<i>this is automatically added into Utilities Total (cell F27)</i>)	EA	2	2	4	yes	2
Total Meetings				4	Total Project Manager Meetings (carries to Tab 3)	12

Carries to Tab 3

7. Utilities (OS)

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	Utility Kickoff Meeting	LS	1	0	0	See Inwood
7.2	Identify Existing Utility Agency Owners (UAO(s))	LS	1	0	0	See Inwood
7.3	Make Utility Contacts	LS	1	0	0	See Inwood
7.4	Exception Processing	LS	1	0	0	not anticipated
7.5	Preliminary Utility Meeting	LS	1	0	0	Meeting is listed below
7.6	Individual/Field Meetings	LS	1	0	0	See Inwood
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	0	0	See Inwood
7.8	Subordination of Easements Coordination	LS	1	0	0	not anticipated
7.9	Utility Design Meeting	LS	1	0	0	Meeting is listed below
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	0	0	See Inwood
7.11	Utility Coordination/Followup	LS	1	0	0	See Inwood
7.12	Utility Constructability Review	LS	1	0	0	See Inwood
7.13	Additional Utility Services	LS	1	0	0	not anticipated
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	not anticipated
7.15	Contract Plans to UAO(s)	LS	1	0	0	N/A City job
7.16	Certification/Close-Out	LS	1	0	0	N/A City job
7.17	Other Utilities	LS	1	80	80	
7. Utilities Total					84	

7. Utilities (OS)

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	0	0	0		0
Preliminary Meeting (see 7.5)	EA	0	0	0		0
Individual UAO Meetings (see 7.6)	EA	0	0	0		0
Field Meetings (see 7.6)	EA	0	0	0		0
Design Meeting (see 7.9)	EA	0	2	0		0
Other Meetings (<i>this is automatically added into Utilities Total (cell F27)</i>)	EA	2	2	4	yes	2
Total Meetings				4	Total Project Manager Meetings (carries to Tab 3)	2

Carries to Tab 3

8. Environmental Permits (OS)

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
Environmental Permits, Compliances and Clearances						
8.1	Preliminary Project Research	LS	1	4	4	Original permit review and desktop review of project area for documented rule changes.
Permits						
8.2	Field Work					
8.2.1	Pond Site Alternatives	per pond site	0	0	0	
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	30	30	Provide safe upland line of wetlands and surfaces waters/OSW adjacent to proposed improvement areas. Coordination with EOR for delineation of impact areas and adding points to the plans.
8.2.3	Species Surveys	LS	1	10	10	General wildlife survey and 100% gopher tortoise survey within 25' of LOC for entire corridor.
8.2.4	Archeological Surveys	LS	0	0	0	
8.3	Agency Verification of Wetland Data	LS	1	16	16	Field review with SJRWMD and FDEP staff.
8.4	Complete And Submit All Required Permit Applications					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	115	115	General permit for SJRWMD, NWP from USACE, and 404 Permit from FDEP, includes supporting documents; RAI responses.
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	20	20	Obtain gopher tortoise permit for less than 10 tortoises, if required.
8.5	Prepare Dredge and Fill Sketches (as needed)	LS	1	10	10	Dredge and Fill Sketches 3 sheets.
8.6	Prepare USCG Permit Sketches	LS	0	0	0	
8.7	Prepare Water Management District Right-of-Way Occupancy Permit	LS	0	0	0	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	0	0	0	
8.9	Prepare Tree Permit Information	LS	0	0	0	
8.10	Mitigation Design	LS	1	4	4	Obtain letter of reservation from mitigation bank.
8.11	Mitigation Coordination and Meetings	LS	0	0	0	

8. Environmental Permits (OS)

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.12	Other Environmental Permits	LS	0	0	0	N/A
Environmental Clearances/Reevaluations						
8.13	Technical support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)					
8.13.1	NEPA or SEIR Reevaluation	LS	0	0	0	
8.13.2	Archaeological and Historical Features	LS	0	0	0	
8.13.3	Wetland Impact Analysis	LS	0	0	0	
8.13.4	Essential Fish Habitat	LS	0	0	0	
8.13.5	Wildlife and Habitat Impact Analysis	LS	0	0	0	
8.13.6	Section 7 or Section 10 Consultation	LS	0	0	0	
8.14	Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)					
8.14.1	NEPA or SEIR Reevaluation	LS	0	0	0	
8.14.2	Archaeological and Historical Features	LS	0	0	0	
8.14.3	Wetland Impact Analysis	LS	0	0	0	
8.14.4	Essential Fish Habitat	LS	0	0	0	
8.14.5	Wildlife and Habitat Impact Analysis	LS	0	0	0	
8.14.6	Section 7 or Section 10 Consultation	LS	0	0	0	
8.15	Contamination Impact Analysis	LS	0	0	0	
8.16	Asbestos Survey	LS	0	0	0	
Environmental Permits, Compliance, and Clearances/Reevaluations Technical Subtotal					209	
8.17	Technical Meetings	LS	1	12	12	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	5%	10	
8.19	Supervision	LS	%	5%	10	
Environmental Permits, Compliance and Clearances Nontechnical Subtotal					32	
8.20	Coordination	LS	%	2%	5	
8. Environmental Permits, Compliance and Clearances Total					246	

8. Environmental Permits (OS)

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
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Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
WMD	EA	1	6	6	yes	1
NMFS	EA	0	0	0		0
USACE	EA	1	6	6	yes	1
USCG	EA	0	0	0		0
USFWS	EA	0	0	0		0
FFWCC	EA	0	0	0		0
FDOT	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				12	Subtotal Project Manager Meetings	2
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				12	Total Project Manager Meetings (carries to Tab 3)	2

Carries to 8.18

Carries to Tab 3

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
General Drawings							
9.1	Key Sheet, Index of Drawings, and Signature Sheets	Sheet	3	4	3	12	Add Structures Component Set: add Key Sheet, Index Sheet, and Signature Sheet for box culverts and wall plans
9.2	Project Layout	Sheet	0	0	0	0	
9.3	General Notes and Bid Item Notes	Sheet	1	8	1	8	Add General Notes sheet in Structures Component Set for specifications, design method, standard structures notes and bid item notes
9.4	Miscellaneous Common Details	Sheet	0	0	0	0	
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0	
9.6	Standard Plans - Bridges	LS	1	4	4	4	Add FDOT Standard Plans - Bridge applicable to project in Structures Component Set
9.7	Existing Bridge Plans	LS	0	0		0	
9.8	Assemble Plan Summary Boxes and Quantities	Sheet	1	4	1	4	Add Summary of Structures Quantity sheet in Structures Component Set for Summary of Box Culverts and Summary of Walls (1 Sheet)
9.9	Cost Estimate	LS	1	3		3	Update Summary of Pay Items cost estimate to current pricing
9.10	Technical Special Provisions	LS	0	0		0	
Structures - Summary and Miscellaneous Tasks and Drawings Subtotal					9	31	

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	0									
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									
10-16	Bridge 10	0									
17	Retaining Walls	19								19	
18	Miscellaneous Structures	112									112
Structures Technical Subtotal		131	0	0	0	0	0	0	0	19	112
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.10	Field Reviews	LS	1	0	0						
9.11	Technical Meetings	LS	1	0	0						
9.12	Quality Assurance/Quality Control	LS	%	5%	8						
9.13	Independent Peer Review	LS	%	2%	3						
9.14	Supervision	LS	%	5%	8						
Structures Nontechnical Subtotal					19						
9.15	Coordination	LS	%	2%	3						
9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total					53						
Technical Meetings		Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?					Number
BDR Coordination/Review		EA	0	0	0						0

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

90/100% Comment Review	EA	0	0	0		0
Aesthetics Coordination	EA	0	0	0		0
Regulatory Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Utility Companies	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				0		0
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				0	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 9.11

Carries to Tab 3

9. Structures Summary (OS)

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
General Drawings							
9.1	Key Sheet, Index of Drawings, and Signature Sheets	Sheet	0	0	0	0	
9.2	Project Layout	Sheet	0	0	0	0	
9.3	General Notes and Bid Item Notes	Sheet	0	0	0	0	
9.4	Miscellaneous Common Details	Sheet	0	0	0	0	
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0	
9.6	Standard Plans - Bridges	LS	0	0	0	0	
9.7	Existing Bridge Plans	LS	0	0	0	0	
9.8	Assemble Plan Summary Boxes and Quantities	Sheet	0	0	0	0	
9.9	Cost Estimate	LS	0	0	0	0	
9.10	Technical Special Provisions	LS	0	0	0	0	
Structures - Summary and Miscellaneous Tasks and Drawings Subtotal					0	0	

Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	0									
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									

9. Structures Summary (OS)

10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									
10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	12									12
Structures Technical Subtotal		12	0	0	0	0	0	0	0	0	12
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.10	Field Reviews	LS	1	0	0	Assume none.					
9.11	Technical Meetings	LS	1	2	2						
9.12	Quality Assurance/Quality Control	LS	%	5%	1						
9.13	Independent Peer Review	LS	%	0%	0	N/A					
9.14	Supervision	LS	%	5%	1						
Structures Nontechnical Subtotal					4						
9.15	Coordination	LS	%	2%	0	Coordination with Traffic and geotech.					
9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total					4						

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0		0
90/100% Comment Review	EA	2	1	2	Teleconference	0
Aesthetics Coordination	EA	0	0	0		0
Regulatory Agency	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Utility Companies	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				2		0
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				2	Total Project Manager Meetings (carries to Tab 3)	0

9. Structures Summary (OS)

Carries to 9.11

Carries to Tab 3

Project Activity 17: Retaining Walls

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Requirements							
17.1	Key Sheet	Sheet	0	0	0	0	
17.2	Horizontal Wall Geometry	Per Wall	0	0		0	
Permanent Proprietary Walls							
17.3	Vertical Wall Geometry	Per Wall	0	0		0	
17.4	Semi-Standard Drawings	Sheet	0	0	0	0	
17.5	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.6	Details	Sheet	0	0	0	0	
Temporary Proprietary Walls							
17.7	Vertical Wall Geometry	Per Wall	0	0		0	
17.8	Semi-Standard Drawings	Sheet	0	0	0	0	
17.9	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.10	Details	Sheet	0	0	0	0	
Cast-in-Place Retaining Walls							
17.11	Design	EA Design	1	8		8	Update RW-1 design run from FDOT Retaining Wall Program version 3.2 to version 4.1 (1 wall design)
17.12	Vertical Wall Geometry	EA Wall	0	0		0	
17.13	General Notes	Sheet	0	0	0		
17.14	Wall Plan and Elevations (Control Drawings)	Sheet	1	4	1	4	Update Retaining Wall RW-1 Plan and Elevation Sheet (1 sheet)
17.15	Sections and Details	Sheet	1	4	1	4	Update Retaining Wall RW-1 Data Tables Sheet (1 sheet)
17.16	Reinforcing Bar List	Sheet	0	0	0	0	
Other Retaining Walls and Bulkheads							
17.17	Design	EA Design	0	0		0	
17.18	Vertical Wall Geometry	EA Wall	0	0		0	
17.19	General Notes, Tables and Misc. Details	Sheet	0	0	0	0	
17.20	Wall Plan and Elevations	Sheet	0	0	0	0	
17.21	Details	Sheet	1	3	1	3	Update Modified Gravity Wall Detail plan sheet for Structures Component Set
17. Structures - Retaining Walls Total					3	19	

Project Activity 18: Miscellaneous Structures

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Concrete Box Culvert							
18.1	Concrete Box Culverts	EA	2	25		50	Update culvert design runs from FDOT Box Culvert Program v3.3.1 to v5.3 (2 culvert designs at 10 hours each); Update concrete barrier/raised sidewalk on culvert headwall design from FDOT Retaining Wall Program v3.2 to version 4.1 (1 design for 2 culverts at 10 hours); Update concrete barrier/raised sidewalk on culvert wingwall design from FDOT Retaining Wall Program v3.2 to v4.1 (2 wingwall designs, one for each culvert at 10 hours each)
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18.3	Concrete Box Culvert Plan and Longitudinal Section Sheets	Sheet	2	10	2	20	Add culvert plan and longitudinal section for Structures Component Set (2 culverts)
18.4	Concrete Box Culvert Elevation Sheet	Sheet	2	10	2	20	Add culvert elevation for Structures Component Set (2 culverts)
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	2	4	2	8	Update plan sheets (2 culvert data tables sheets)
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	3	2	3	6	Update plan sheets (3 detail sheets)
18.5	Reinforcing Bar List	Sheet	8	1	8	8	Update reinforcing bar lists (2 phases/culvert x 2 sheets/phase x 2 culverts)
Strain Poles							
18.5	Steel Strain Poles	Initial Config	0	0		0	
		EA Addl Config	0	0		0	
18.6	Concrete Strain Poles	Initial Config	0	0		0	
		EA Addl Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
Mast Arms							
18.9	Mast Arms	EA Design	0	0			
18.10	Mast Arms Data Table Plan Sheets	Sheet	0	0	0	0	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
Overhead/Cantilever Sign Structures							
18.12	Cantilever Sign Structures	EA Design	0	0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0		0	
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
High Mast Lighting							
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	
Noise Barrier Walls (Ground Mount)							
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	
18.22	Vertical Wall Geometry	EA Wall	0	0		0	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
18.24	Control Drawings	Sheet	0	0	0	0	
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	
18.27	Aesthetic Details	LS	1	0		0	
Special Structures							
18.28	Fender System	LS	1	0		0	
18.29	Fender System Access	LS	1	0		0	
18.30	Special Structures	LS	1	0		0	
18.31	Other Structures	LS	1	0		0	
18. Structures - Miscellaneous Total			17	112			

18. Structures-Misc (OS)

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
City of Palm Coast		
DRMP, Inc.		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Concrete Box Culvert							
18.1	Concrete Box Culverts	EA	2	0		0	
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18.3	Concrete Box Culvert Plan and Longitudinal Section Sheets	Sheet	0	0	0	0	
18.4	Concrete Box Culvert Elevation Sheet	Sheet	0	0	0	0	
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0	0	0	0	
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	0	0	0	
18.5	Reinforcing Bar List	Sheet	0	0	0	0	
Strain Poles							
18.5	Steel Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.6	Concrete Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
Mast Arms							
18.9	Mast Arms	EA Design	7	10			Run FDOT's Mastarm v2.0 Mathcad to design 7 mast arms, due to substandard soils. Drilled shaft foundation are assumed, and alternate foundations are not anticipated.
18.10	Mast Arms Data Table Plan Sheets	Sheet	2	6	0	12	2 sheets, since 6 mast arms per sheet.
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
Overhead/Cantilever Sign Structures							
18.12	Cantilever Sign Structures	EA Design	0	0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0		0	
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
High Mast Lighting							
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	
Noise Barrier Walls (Ground Mount)							
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	
18.22	Vertical Wall Geometry	EA Wall	0	0		0	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
18.24	Control Drawings	Sheet	0	0	0	0	
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	
18.27	Aesthetic Details	LS	0	0		0	
Special Structures							
18.28	Fender System	LS	0	0		0	
18.29	Fender System Access	LS	0	0		0	
18.30	Special Structures	LS	0	0		0	
18.31	Other Structures	LS	0	0		0	
18. Structures - Miscellaneous Total			0	0		12	

Project Activity 19: Signing and Pavement Marking Analysis

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.1	Traffic Data Analysis	LS	0	0	0	
19.2	No Passing Zone Study	LS	1	0	0	
19.3	Reference and Master Design File	LS	1	40	40	40 hours (4 hours per side street) (16 hours for mainline changes)(8 to develop merge markings for end of project)
19.4	Multi-Post Sign Support Calculations	EA	1	0	0	
19.5	Sign Panel Design Analysis	EA	1	0	0	
19.6	Sign Lighting/Electrical Calculations	EA	1	0	0	
19.7	Quantities	LS	1	12	12	12 hours (adjustments for existing calculated quantities) 1.4 miles of roadway (8 hours for first mile 1 hour for each additional mile)
19.8	Cost Estimate	LS	1	4	4	2 cost estimates for 90 and final plans
19.9	Technical Special Provisions	LS	0	0	0	
19.10	Other Signing and Pavement Marking	LS	0	0	0	
Signing and Pavement Marking Analysis Technical Subtotal					56	
19.11	Field Reviews	LS	1	16	16	site review for changes to existing site (2 people * 8 hours)
19.12	Technical Meetings	LS	1	0	0	Meetings are listed below
19.13	Quality Assurance/Quality Control	LS	%	5%	3	
19.14	Independent Peer Review	LS	%	2%	1	
19.15	Supervision	LS	%	5%	3	
Signing and Pavement Marking Analysis Nontechnical Subtotal					23	
19.16	Coordination	LS	%	5%	4	
19. Signing and Pavement Marking Analysis Total					83	

Project Activity 19: Signing and Pavement Marking Analysis

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments	
Technical Meetings		Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
	Sign Panel Design	EA	0	0	0		0
	Queue Length Analysis	EA	0	0	0		0
	Local Governments (cities, counties)	EA	0	0	0		0
	Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings					0	Subtotal Project Manager Meetings	0
	Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
	Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings					0	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 19.12

Carries to Tab 3

Project Activity 20: Signing and Pavement Marking Plans

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	1	1	1	1	1hr for Key sheet revisions
20.2	Summary of Pay Items Including TRNS•Port Input		LS	0	0		0	
20.3	Tabulation of Quantities		Sheet	1	8	1	8	8 hrs to revise 2 tabulation sheet for Phase II (split phase 2 and 3)
20.4	General Notes/Pay Item Notes		Sheet	0	0	0	0	
20.5	Project Layout		Sheet	0	0	0	0	
20.6	Plan Sheet		Sheet	18	1.5	18	27	15 sheets 1hr for changes + 3 sheets 3hr for changes to merge from 4 to 2 lanes
20.7	Typical Details		EA	0	0		0	
20.8	Guide Sign Worksheet(s)		EA	0	0		0	
20.9	Traffic Monitoring Site		EA	0	0		0	
20.10	Cross Sections		EA	0	0		0	
20.11	Special Service Point Details		EA	0	0		0	
20.12	Special Details		LS	0	0		0	
20.13	Interim Standards		LS	0	0		0	
Signing and Pavement Marking Plans Technical Subtotal						20	36	
20.14	Quality Assurance/Quality Control		LS	%	5%		2	
20.15	Supervision		LS	%	5%		2	
20. Signing and Pavement Marking Plans Total							40	

Project Activity 21: Signalization Analysis

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	\$4000 to be done by sub contractor 2 locations 24 traffic movement counts and delay study.
21.2	Traffic Data Analysis	PI	0	0	0	
21.3	Signal Warrant Study	LS	1	80	80	Signal warrant ananalysis at two locations (proposed at Fleetwood Drive, and Frontier Drive) develop signal warrant based on the MUTCD (9 warrants), and MUTS procedures
21.4	System Timings	LS	1	0	0	
21.5	Reference and Master Signalization Design File	PI	0	0	0	
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	
21.7	Overhead Street Name Sign Design	EA	0	0	0	
21.8	Pole Elevation Analysis	LS	1	0	0	
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	0	0	
21.11	Cost Estimate	LS	1	0	0	
21.12	Technical Special Provisions	LS	1	0	0	
21.13	Other Signalization Analysis	LS	1	0	0	
Signalization Analysis Technical Subtotal					80	
21.14	Field Reviews	LS	1	0	0	
21.15	Technical Meetings	LS	1	4	4	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	5%	4	
21.17	Independent Peer Review	LS	%	2%	2	
21.18	Supervision	LS	%	5%	4	
Signalization Analysis Nontechnical Subtotal					14	

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	2%	2	
21. Signalization Analysis Total					96	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	0	0		0
Maintaining Agency (cities, counties)	EA	0	0	0		0
Railroads	EA	0	0	0		0
Other Meetings	EA	2	2	4	yes	2
Subtotal Technical Meetings				4	Subtotal Project Manager Meetings	2
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				4	Total Project Manager Meetings (carries to Tab 3)	2

Carries to 21.15

Carries to Tab 3

21. Signalization Analysis (OS)

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	0	0	0	
21.2	Traffic Data Analysis	PI	1	8	8	development fo signal SOP and timeings
21.3	Signal Warrant Study	LS	0	0	0	
21.4	System Timings	LS	2	8	16	2 intersection to be signalized (fleetwood Drive and Frontier Drive)
21.5	Reference and Master Signalization Design File	PI	2	40	80	Mid range project master file 4 lane roadway development of conduit routing, Pull box locations and service points, Mast arm signal
21.6	Reference and Master Interconnect Communication Design File	LS	0	0	0	
21.7	Overhead Street Name Sign Design	EA	0	2	0	3 sign to develop (Old Kings Road, Fleetwood Drive, and Frontier Drive)
21.8	Pole Elevation Analysis	LS	1	3	3	2 hours for first intersection and 1 hour for additional intersection
21.9	Traffic Signal Operation Report	LS	0	0	0	
21.10	Quantities	LS	1	24	24	development of quantites for 2 intersections (to be in tabulation of quantities sheet)
21.11	Cost Estimate	LS	1	9	9	3 cost estimates initial, final and signed and sealed
21.12	Technical Special Provisions	LS	1	0	0	
21.13	Other Signalization Analysis	LS	1	0	0	
Signalization Analysis Technical Subtotal					140	
21.14	Field Reviews	LS	1	16	16	16 hours(2 people 8 hours)
21.15	Technical Meetings	LS	1	0	0	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	5%	7	
21.17	Independent Peer Review	LS	%	2%	3	
21.18	Supervision	LS	%	5%	7	
Signalization Analysis Nontechnical Subtotal					33	

21. Signalization Analysis (OS)

21.19	Coordination	LS	%	2%	3	
21. Signalization Analysis Total					176	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	0	0	0		0
Maintaining Agency (cities, counties)	EA	0	0	0		0
Railroads	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				0	Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				0	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 21.15

Carries to Tab 3

22. Signalization Plans (OS)

Estimator:

Old Kings Road Phase II
999999-1-52-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	8	1	8	plans keysheet and signature sheet
22.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	
22.3	Tabulation of Quantities		Sheet	1	8	1	8	8 hour to develpe signal tabulation of quantites
22.4	General Notes/Pay Item Notes		Sheet	1	8	1	8	general note based on City of Palm Coast standards.
22.5	Plan Sheet		Sheet	1	4	1	4	mid range signal plan sheet based on 4 lane roadway
22.6	Interconnect Plans		Sheet	0	0	0	0	
22.7	Traffic Monitoring Site		EA	0	0		0	
22.8	Guide Sign Worksheet		EA	3	2		6	development of guideisng worksheet for illuminated overhead street and signs
22.9	Special Details		Sheet	0	0	0	0	
22.10	Special Service Point Details		EA	0	0		0	
22.11	Mast Arm/Monotube Tabulation Sheet		PI	1	6		6	development of Mast arm tabulation assumed 2 signal past arms per location 2 locations
22.12	Strain Pole Schedule		PI	0	0		0	
22.13	TCP Signal (Temporary)		EA	0	0		0	
22.14	Temporary Detection Sheet		PI	0	0		0	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	
22.16	Interim Standards		LS	0	0		0	
Signalization Plans Technical Subtotal							40	
22.17	Quality Assurance/Quality Control		LS	%	5%		2	
22.18	Supervision		LS	%	5%		2	
22. Signalization Plans Total						0	44	

Project Activity 23: Lighting Analysis

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	0	0	0	
23.2	Lighting Design Analysis Report	LS	0	0	0	
23.3	Aeronautical Evaluation	LS	0	0	0	
23.4	Voltage Drop Calculations	EA	0	0	0	
23.5	FDEP Coordination and Report	LS	0	0	0	
23.6	Reference and Master Design Files	LS	1	30	30	Seperation of Phase II and impementation of FPL coordination 30 hrs
23.7	Temporary Lighting	LS	0	0	0	
23.8	Design Documentation	LS	1	8	8	seperation of Phase II
23.9	Quantities	LS	1	30	30	15 sheets 2 hrs for updates based on coordination with FPL
23.10	Cost Estimate	LS	1	4	4	1 estimate 4 hrs
23.11	Technical Special Provisions	LS	0	0	0	
23.12	Other Lighting Analysis	LS	0	0	0	
Lighting Analysis Technical Subtotal					72	
23.13	Field Reviews	LS	1	16	16	to verify changes existing conditions 2 people 8 hr
23.14	Technical Meetings	LS	1	8	8	
23.15	Quality Assurance/Quality Control	LS	%	5%	4	
23.16	Independent Peer Review	LS	%	2%	1	
23.17	Supervision	LS	%	5%	4	
Lighting Analysis Nontechnical Subtotal					33	
23.18	Coordination	LS	%	0%	0	
23. Lighting Analysis Total					105	

Project Activity 23: Lighting Analysis

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0		0
FDOT Traffic Design	EA	0	0	0		0
Power Company (service point coordination)	EA	1	4	4		0
Maintaining Agency (cities, counties)	EA	1	4	4		0
Airport authority	EA	0	0	0		0
FDEP Lighting (coast areas)	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				8	Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings				8	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 23.14

Carries to Tab 3

24. Lighting Plans

Estimator:

#REF!

#REF!

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	1	1	1	1	updates to Key Sheet
24.2	Summary of Pay Items Including Designer Interface (TRNS•Port) Input		Sheet	0	0	0	0	
24.3	Tabulation of Quantities		Sheet	2	6	2	12	12 hrs for division and set of 15 plan sheets
24.4	General Notes/Pay Item Notes		Sheet	0	0	0	0	
24.5	Pole Data, Legend and Criteria		Sheet	2	7.5	2	15	15 hrs for division 2 sheet
24.6	Service Point Details		Sheet	0	0	0	0	
24.7	Project Layout		Sheet	0	0	0	0	
24.8	Plan Sheet		Sheet	15	2	15	30	plans sheet updat based on FPL coordination 15 sheets 2 hrs
24.9	Special Details		Sheet	0	0	0	0	
24.10	Temporary Lighting Data and Details		Sheet	0	0	0	0	
24.11	Traffic Control Plan Sheets		Sheet	0	0	0	0	
24.12	Interim Standards		LS	1	0		0	
Lighting Plans Technical Subtotal						20	58	
24.13	Quality Assurance/Quality Control		LS	%	5%		3	
24.14	Supervision		LS	%	5%		3	
24. Lighting Plans Total						20	64	

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Enter project name & description
 County: enter name of county
 FPN: 999999-1-32-01
 FAP No.: 54321

Consultant Name: Enter name of prime or subconsultant
 Consultant No.: enter consultants proj. number
 Date: 8/3/2023
 Estimator: insert name

Staff Classification	Total Staff Hours From 'SH Summary -	3 Person Survey Crew	Survey Tech III	Surveyor V (PSM/PLS)	3 Person SUE	SUE Manager	Senior SUE Tech	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
27. Survey (Field & Office Support)	68	0	48	20	0	0	0	0	0	0	0	0	0	68	\$9,360	\$137.65
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	85	0	60	26	0	0	0	0	0	0	0	0	0	86	\$11,880	\$138.14
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	153	0	108	46	0	0	0	0	0	0	0	0	0	154		
Total Staff Cost		\$0.00	\$12,960.00	\$8,280.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$21,240.00	\$137.92

Check = \$21,240.00

Survey Field Days by Subconsultant
 4 - Person Crew:

SALARY RELATED COSTS:				\$21,240.00
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
Survey (Field - if by Prime)	13	3-person crew days @	\$ 2,200.00 / day	\$28,600.00
SUBTOTAL ESTIMATED FEE:				\$37,960.00
Optional Services				\$11,880.00
GRAND TOTAL ESTIMATED FEE:				\$49,840.00

Notes:

- This sheet to be used by Prime Consultant to calculate the Grand Total fee.
- Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

27. Survey

Estimator: Bill Faust, PSM

Old Kings Road - City of Palm Coast

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.1	Horizontal Project Control (HPC)									Recover and verify control from original survey.
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile	3.50	0.60	2.10	1.25	2.63	4.00	8.40	
	Interstate	Mile			0.00		0.00		0.00	
27.2	Vertical PC / Bench Line									Recover and verify control from original survey.
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile	3.50	0.60	2.10	1.25	2.63	4.00	8.40	
	Interstate	Mile			0.00		0.00		0.00	
27.3	Alignment and Existing R/W Lines									
		Mile			0.00		0.00		0.00	
27.4	Aerial Targets			Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
27.5	Reference Points	"A"		Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.6	Topography/DTM (3D)									Review original survey data to verify any changes. Survey any changes from the original survey, to include multi-use path from Frontier Dr to Forest Grove Dr, driveway modifications and culvert extensions.
		Mile	6.00	1.00	6.00	1.25	7.50	4.00	24.00	
27.7	Planimetric (2D)									
		Mile			0.00		0.00		0.00	
27.8	Roadway Cross-Sections/Profiles									
		Mile			0.00		0.00		0.00	
27.9	Side Street Surveys									
		Mile			0.00		0.00		0.00	
27.10	Underground Utilities									[See SUE staff hour estimate]
	Designates	Mile/Site			0.00		0.00		0.00	
	Locates	Point			0.00		0.00		0.00	
	Survey			0.00	0.00		0.00		0.00	
27.11	Outfall Survey									
		Mile			0.00		0.00		0.00	
27.12	Drainage Survey			Units/Day						
		EA			0.00		0.00		0.00	
27.13	Bridge Survey									
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									
		EA			0.00		0.00		0.00	
27.15	Pond Site Survey									
		EA			0.00		0.00		0.00	
27.16	Mitigation Survey									
		Mile			0.00		0.00		0.00	
27.17	Jurisdiction Line Survey									
		Mile			0.00		0.00		0.00	
27.18	Geotechnical Support			Units/Day						
		EA			0.00		0.00		0.00	
27.19	Sectional / Grant Survey									

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									Locate Subdivision blocks for Points of Commencement on Sketch of Descriptions
		Block	4	0.38	1.52	1.25	1.90	4.00	6.08	
27.21	Maintained R/W									
		Mile			0.00		0.00		0.00	
27.22	Boundary Survey									
		EA			0.00		0.00		0.00	
27.23	Water Boundary Survey									
		EA			0.00		0.00		0.00	
27.24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.25	R/W Monumentation									
		Point			0.00		0.00		0.00	
27.26	Line Cutting									
		Mile			0.00					
27.27	Work Zone Safety									MOT as required
			0.125	11.72	1.47					
27.28	Vegetation Survey									
		LS							0	
27.29	Tree Survey									
		LS							0	
27.30	Miscellaneous Surveys									
					0.00		0.00		0.00	
Survey Subtotal				Crew Days	13	Field Support Hours	15	Office Support Hours	47	
27.31	Supplemental Surveys									THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
				13	0		0		0	
27.32	Document Research	Units								
									0	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.33	Field Reviews	Units							0	
27.34	Technical Meetings	LS	0.00						0	
27.35	Quality Assurance / Quality Control	LS						5%	2	
27.36	Supervision	LS						5%	3	
27.37	Coordination	LS						3%	1	
27. Survey Total				Crew Days	13	Field Support Hours	15	Office Support Hours	53	

SPLS =
 PLS =
 Office Support =
 Total Hours = 68

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number	Comments
Kickoff Meeting with FDOT	EA	0	0	0		0	
Baseline Approval Review	EA	0	0	0		0	
Network Control Review	EA	0	0	0		0	
Vertical Control Review	EA	0	0	0		0	
Local Governments (cities, counties)	EA	0	0	0		0	
Final Submittal Review	EA	0	0	0		0	
Other Meetings	EA	0	0	0		0	
Subtotal Technical Meetings				0	Subtotal PM Meetings	0	
Progress Meetings (if required by FDOT)	EA	0	0	0	**	--	
Phase Review Meetings	EA	0	0	0	**	--	
Total Meetings				0	Total PM Mtgs (carries to Tab 3)	0	

Carries to 27.34

Carries to Tab 3

**** Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

29. Mapping

Estimator: Brandon M. Robbins, PSM

Enter project name & description

999999-1-32-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Master CADD File						
29.1	Alignment	Mile	0	0		0	
29.2	Section and 1/4 Section Lines	Section	0	0		0	
29.3	Subdivisions / Property Lines	EA	0	0		0	
29.4	Existing R/W	Mile	0	0		0	
29.5	Topography	Mile	4	4		16	Reference and "Cleanup" topo text for Detail sheets on Sketch of Descriptions
29.6	Parent Tract Properties/Existing Easements	Parcel	8	2		16	Research & Draft Parent Tract information for any Corner Clips to include easements and Restrictions to property
29.7	Proposed R/W Requirements	Parcel	1	4		4	Draft in Proposed R/W Requirements. Includes coordination with EOR for any issues
29.8	Limits of Construction	Mile	0	0		0	
29.9	Jurisdictional/Agency Lines	Linear Mile	0	0		0	
	Sheet Files						
29.10	Control Survey Cover Sheet	Sheet	0	0		0	
29.11	Control Survey Key Sheet	Sheet	0	0		0	
29.12	Control Survey Detail Sheet	Sheet	0	0		0	
29.13	R/W Map Cover Sheet	Sheet	0	0		0	
29.14	R/W Map Key Sheet	Sheet	0	0		0	
29.15	R/W Map Detail Sheet	Sheet	0	0		0	
29.16	Maintenance Map Cover Sheet	Sheet	0	0		0	
29.17	Maintenance Map Key Sheet	Sheet	0	0		0	
29.18	Maintenance Map Detail Sheet	Sheet	0	0		0	
29.19	Reference Point Sheet	Sheet	0	0		0	
29.20	Project Control Sheet	Sheet	0	0		0	
29.21	Table of Ownerships Sheet	Sheet	0	0		0	

29. Mapping
OPTIONAL SERVICES

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Miscellaneous							
29.22	Parcel Sketches	Parcel	2	12		24	Prepare up to 2 Sketch of Descriptions at 2 Intersections with 1 Parcel Corner Clips for each Sketch. 6 Sheets for each Sketch (Exhibts to support license agreement only)
29.23	TIITF Sketches	Parcel	0	0		0	
29.24	Other Specific Purpose Survey Map	EA	0	0		0	
29.25	Boundary Survey(s) Map	EA	0	0		0	
29.26	R/W Monumentation Map	Sheet	0	0		0	
29.27	Title Search Map	LS	1	0		0	
29.28	Title Search Report	LS	1	0		0	
29.29	Legal Descriptions	Parcel	2	2		4	Prepare up to 2 Legal Descriptions for Corner Clips at 2 Intersections. Prepare in Word (.doc) format and in Sketch of Description. Send up to 4 Hard copies per Legal Description
29.30	Final Maps/Plans Comparison	Sheet	0	0		0	
Mapping Technical Subtotal					0	64	
29.31	Field Reviews	EA	1	4		4	
29.32	Technical Meetings	LS	1	6		6	
29.33	Quality Assurance/Quality Control	EA	%	6%		4	
29.34	Supervision	EA	%	5%		3	
Mapping Nontechnical Subtotal						17	
29.4	Coordination	LS	%	5%		4	
29.4	Supplemental Mapping	LA	%	0%		0	
29. Mapping Total					0	85	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Comments	Number of Required PM Meetings?
Kickoff meeting	EA	0	0	0			0
Control map review	EA	0	0	0			0
45/60/90/final map review	EA	0	0	0			0
Other meetings	EA	3	2	6			0
Subtotal Technical Meetings				6	Subtotal Project Manager Meetings		0
Progress Meetings (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				6	Total Project Manager Meetings (carries to Tab 3)		0

Carries to 29.32

Carries to Tab 3

ESTIMATE OF WORK EFFORT AND COST - SUE

Name of Project: Old Kings Road
 County: Flagler
 FPN: 999999-1-32-01
 FAP No.: 1/0/1900

Consultant Name: Enter name of prime or subconsultant
 Consultant No.: enter consultants proj. number
 Date: 7/13/2023
 Estimator: insert name

Staff Classification	Hours From "SH Summary - Firm"	3 Person Survey Crew	Survey Tech III	Surveyor V (PSM/PLS)	3 Person SUE	SUE Manager	Senior SUE Tech	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
27. Survey (Field & Office Support)	135	0	0	0	0	41	95	0	0	0	0	0	0	136	\$18,780	\$138.09
Total Staff Hours	135	0	0	0	0	41	95	0	0	0	0	0	0	136		
Total Staff Cost		\$0.00	\$0.00	\$0.00	\$0.00	\$7,380.00	\$11,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$18,780.00	\$138.09

Check = \$18,780.00

Survey Field Days by Subconsultant
 4 - Person Crew:

Notes:

- This sheet to be used by Prime Consultant to calculate the Grand Total fee.
- Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

SALARY RELATED COSTS:				\$18,780.00
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
Survey (Field - if by Prime)	28	3-person crew days @	\$ 2,400.00 / day	\$67,200.00
SUBTOTAL ESTIMATED FEE:				\$85,980.00
Optional Services				\$0.00
GRAND TOTAL ESTIMATED FEE:				\$85,980.00

27. Survey

Estimator: Ryan Grab, CST

Old Kings Road - City of Palm Coast

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.1	Horizontal Project Control (HPC)									
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile	0.00	0.25	0.00	1.25	0.00	4.00	0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.2	Vertical PC / Bench Line									
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile	0.00	0.25	0.00	1.25	0.00	4.00	0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.3	Alignment and Existing R/W Lines									
		Mile			0.00		0.00		0.00	
27.4	Aerial Targets			Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
27.5	Reference Points	"A"		Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	
27.6	Topography/DTM (3D)									
		Mile	0.00	1.00	0.00	1.25	0.00	4.00	0.00	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.7	Planimetric (2D)									
		Mile			0.00		0.00		0.00	
27.8	Roadway Cross-Sections/Profiles									
		Mile			0.00		0.00		0.00	
27.9	Side Street Surveys									
		Mile			0.00		0.00		0.00	
27.10	Underground Utilities									
	Designates	Mile/Site	3.50	3.15	11.01	1.25	13.76	4.00	44.03	Designate 34,000 linear feet of two new fiber optic ducts, misc new service lines and additional traffic control facilities - 11 crew days Perform 40 VVH test holes to verify new utilities - 8 days
	Locates	Point	40	0.2	8.00	1.25	10.00	3.00	24.00	
	Survey		30%	19.01	5.70	1.25	7.13	4.00	22.81	
27.11	Outfall Survey									
		Mile			0.00		0.00		0.00	
27.12	Drainage Survey			Units/Day						
		EA			0.00		0.00		0.00	
27.13	Bridge Survey									
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									
		EA			0.00		0.00		0.00	
27.15	Pond Site Survey									
		EA			0.00		0.00		0.00	
27.16	Mitigation Survey									
		Mile			0.00		0.00		0.00	
27.17	Jurisdiction Line Survey									
		Mile			0.00		0.00		0.00	
27.18	Geotechnical Support			Units/Day						
		EA			0.00		0.00		0.00	
27.19	Sectional / Grant Survey									
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
		Block			0.00		0.00		0.00	
27.21	Maintained R/W									
		Mile			0.00		0.00		0.00	
27.22	Boundary Survey									
		EA			0.00		0.00		0.00	
27.23	Water Boundary Survey									
		EA			0.00		0.00		0.00	
27.24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.25	R/W Monumentation									
		Point			0.00		0.00		0.00	
27.26	Line Cutting									
		Mile			0.00					
27.27	Work Zone Safety									MOT as required
			0.125	24.71	3.09					
27.28	Vegetation Survey									
		LS							0	
27.29	Tree Survey									
		LS							0	
27.30	Miscellaneous Surveys									
					0.00		0.00		0.00	
Survey Subtotal				Crew Days	28	Field Support Hours	31	Office Support Hours	91	
27.31	Supplemental Surveys									THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
				28	0		0		0	
27.32	Document Research	Units							0	
27.33	Field Reviews	Units							0	
27.34	Technical Meetings	LS							0	
			0.00							
27.35	Quality Assurance / Quality Control	LS								

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
								5%	5	
27.36	Supervision	LS						5%	6	
27.37	Coordination	LS						3%	3	
27. Survey Total				Crew Days	28	Field Support Hours	31	Office Support Hours	104	

SPLS =
 PLS =
 Office Support =
 Total Hours = 135

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number	Comments
Kickoff Meeting with FDOT	EA	0	0	0		0	
Baseline Approval Review	EA	0	0	0		0	
Network Control Review	EA	0	0	0		0	
Vertical Control Review	EA	0	0	0		0	
Local Governments (cities, counties)	EA	0	0	0		0	
Final Submittal Review	EA	0	0	0		0	
Other Meetings	EA	0	0	0		0	
Subtotal Technical Meetings				0	Subtotal PM Meetings	0	
Progress Meetings (if required by FDOT)	EA	0	0	0	**	--	
Phase Review Meetings	EA	0	0	0	**	--	
Total Meetings				0	Total PM Mtgs (carries to Tab 3)	0	

Carries to 27.34

Carries to Tab 3

**** Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

England-Thims & Miller, Inc.
Old Kings Road Widening
Design Update Scope of Services
August 1, 2023

- This scope of services consists of design updates to the previously completed Temporary Traffic Control Plans, Landscaping Plans, and Irrigation Plans for Phase 2 of the Old Kings Road Widening project. The limits of the project are between approximately STA. 118+00 (Kings Way) and STA. 189+00 (Mulberry Branch).
- This design update will include revisions to the Landscaping Plans and Irrigation Plans to address City of Palm Coast review comments from December 2019. Also included are revisions to the Temporary Traffic Control Plans, Landscaping Plans, and Irrigation Plans as required for changes to the roadway design (such as the taper to the two-lane roadway and new driveway connections).
- This design update will include 90%, 100%, and final submittals to the City of Palm Coast and FDOT. This scope of services includes responding to FDOT comments received through the FDOT ERC system.
- Opinions of Probable Cost for the Landscaping Plans and Irrigation Plans will be provided with the 90%, 100%, and Final Submittals.
- Includes coordination with DRMP and City of Palm Coast staff.
- Includes coordination with FDOT reviewers and responding to comments in the FDOT ERC system.
- Primary design services will be provided for a lump sum fee of \$128,170. Post design services are optional services that will be billed hourly against a \$20,000 budget.

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Old Kings Road Widening
 County: Flagler
 FPN: 415964-1-52-01
 FAP No.: 54321

Consultant Name: England-Thims & Miller, Inc.
 Consultant No.: enter consultants proj. number
 Date: 8/1/2023
 Estimator: insert name

Staff Classification	Hours From "SH Summary - Firm"	Project Manager	Senior Engineer	Engineer	Designer	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$200.00	\$215.00	\$175.00	\$140.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
3. Project General and Project Common Tasks	84	8	17	25	34	0	0	0	0	0	0	0	0	84	\$14,390	\$171.31
4. Roadway Analysis	169	17	34	51	67	0	0	0	0	0	0	0	0	169	\$29,015	\$171.69
5. Roadway Plans	157	16	31	47	63	0	0	0	0	0	0	0	0	157	\$26,910	\$171.40
6. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Architecture Analysis	198	20	40	59	79	0	0	0	0	0	0	0	0	198	\$33,985	\$171.64
26. Landscape Architecture Plans	139	14	28	42	55	0	0	0	0	0	0	0	0	139	\$23,870	\$171.73
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	747	75	150	224	298	0	0	0	0	0	0	0	0	747		
Total Staff Cost		\$15,000.00	\$32,250.00	\$39,200.00	\$41,720.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$128,170.00	\$171.58

Check = \$128,170.00

Survey Field Days by Subconsultant
 4 - Person Crew:

SALARY RELATED COSTS:			\$128,170.00
OVERHEAD:	0%		\$0.00
OPERATING MARGIN:	0%		\$0.00
FCCM (Facilities Capital Cost Money):	0.00%		\$0.00
EXPENSES:	0.00%		\$0.00
Survey (Field - if by Prime)	0	4-man crew days @ \$ - / day	\$0.00
SUBTOTAL ESTIMATED FEE:			\$128,170.00
Subconsultant: Enter Name Sub 1			\$0.00
Subconsultant: Sub 2			\$0.00
Subconsultant: Sub 3			\$0.00
Subconsultant: Sub 4			\$0.00
Subconsultant: Sub 5			\$0.00
Subconsultant: Sub 6			\$0.00
Subconsultant: Sub 7			\$0.00
Subconsultant: Sub 8			\$0.00
Subconsultant: Sub 9			\$0.00
SUBTOTAL ESTIMATED FEE:			\$128,170.00
Geotechnical Field and Lab Testing			\$0.00
SUBTOTAL ESTIMATED FEE:			\$128,170.00
Optional Services - Post Design Services			\$20,000.00
GRAND TOTAL ESTIMATED FEE:			\$148,170.00

- Notes:
- This sheet to be used by Prime Consultant to calculate the Grand Total fee.
 - Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

Project Activity 3: Project Common and Project General Tasks

Estimator:
Updated 080818

Old Kings Road Widening
415964-1-52-01

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	
3.1.3	Prepare Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	0	0	
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	
3.1.11	MPO Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
3.1 Public Involvement Subtotal					0	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	12	12	LS-IRR info to DRMP for inclusion in spec package
3.4	Contract Maintenance	LS	1	0	0	
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	0	0	See listing below
3.7	Plans Update	LS	1	0	0	

Project Activity 3: Project Common and Project General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	
3.9	Electronic Delivery	LS	1	12	12	Two EOR (MOT+ LS)
3.10	Other Project General Tasks	LS	1	60	60	Coord. With FDOT Reviewers / Address comments in FDOT ERC system
3. Project Common and Project General Tasks Total					84	

3.6 - List of Project Manager Meetings

Roadway Analysis	EA	0	0	0
Drainage	EA	0	0	0
Utilities	EA	0	0	0
Environmental	EA	0	0	0
Structures	EA	0	0	0
Signing & Pavement Marking	EA	0	0	0
Signalization	EA	0	0	0
Lighting	EA	0	0	0
Landscape Architecture	EA	0	0	0
Survey	EA	0	0	0
Photogrammetry	EA	0	0	0
ROW & Mapping	EA	0	0	0
Geotechnical	EA	0	0	0
Architecture	EA	0	0	0
Noise Barriers	EA	0	0	0
ITS Analysis	EA	0	0	0
Progress Meetings	EA	0	0	0
Phase Reviews	EA	0	0	0
Field Reviews	EA	0	0	0

Total Project Manager Meetings		0	0	0
---------------------------------------	--	---	---	---

Notes:

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.

Project Activity 3: Project Common and Project General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
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3. Project manager meetings are calculated in each discipline sheet and brought forward to column D except for Photogrammetry.

Estimator:

Old Kings Road Widening
415964-1-52-01

Project Activity 4 - Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	
4.2	Pavement Design Package	LS	1	0	0	
4.3	Access Management	LS	1	0	0	
4.4	Horizontal/Vertical Master Design Files	LS	1	0	0	
4.5	Cross Section Design Files	LS	1	0	0	
4.6	Traffic Control Analysis	LS	1	0	0	
4.7	Master TCP Design Files	LS	1	68	68	3 phases*12hrs/mile*1.9 miles
4.8	Design Variations and Exceptions	LS	1	0	0	
4.9	Design Report	LS	1	0	0	
4.10	Computation Book & Quantities	LS	1	48	48	
4.11	Cost Estimate	LS	3	2	6	
4.12	Technical Special Provisions	LS	1	0	0	
4.13	Other Roadway Analysis	LS	1	0	0	
Roadway Analysis Technical Subtotal					122	
4.14	Field Reviews	LS	1	8	8	
4.15	Technical Meetings	LS	1	24	24	Meetings are listed below
4.16	Quality Assurance/Quality Control	LS	%	5%	6	
4.17	Independent Peer Review	LS	%	0%	0	
4.18	Supervision	LS	%	5%	6	
Roadway Analysis Nontechnical Subtotal					44	
4.19	Coordination	LS	%	2%	3	
4. Roadway Analysis Total					169	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
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Technical Meetings

Typical Section	EA	0	0	0	
Pavement	EA	0	0	0	
Access Management	EA	0	0	0	
15% Line and Grade	EA	0	0	0	
Driveways	EA	0	0	0	
Local Governments (cities, counties, MPO)	EA	2	2	4	
Work Zone Traffic Control	EA	0	0	0	
30/60/90/100% Comment Review Meeting:	EA	2	4	8	
Other Meetings	EA	6	2	12	Meetings with DRMP
Subtotal Technical Meetings				24	

Progress Meetings (if required by FDOT)	EA	0	0	0	
Phase Review Meetings	EA	0	0	0	

Total Meetings 24

Carries to 4.15

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

Estimator:

Old Kings Road Widening
415964-1-52-01

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
5.1	Key Sheet		Sheet	0	0	0	0	
5.2	Summary of Pay Items Including Quantity Input		Sheet	0	0	0	0	
5.3	Drainage Map		Sheet	0	0	0	0	
5.4	Interchange Drainage Map		Sheet	0	0	0	0	
5.5	Typical Section Sheets		Sheet	0	0	0	0	
5.6	General Notes/Pay Item Notes		Sheet	0	0	0	0	
5.7	Summary of Quantities		Sheet	0	0	0	0	
5.8	Box Culvert Data Sheet		Sheet	0	0	0	0	
5.9	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	0	
5.10	Summary of Drainage Structures		Sheet	0	0	0	0	
5.11	Optional Pipe/Culvert Material		Sheet	0	0	0	0	
5.12	Project Layout		Sheet	0	0	0	0	
5.13	Plan/Profile Sheet		Sheet	0	0	0	0	
5.14	Profile Sheet		Sheet	0	0	0	0	
5.15	Plan Sheet		Sheet	0	0	0	0	
5.16	Special Profile		Sheet	0	0	0	0	
5.17	Back of Sidewalk Profile Sheet		Sheet	0	0	0	0	
5.18	Interchange Layout Sheet		Sheet	0	0	0	0	
5.19	Ramp Terminal Details (Plan View)		Sheet	0	0	0	0	
5.20	Intersection Layout Details		Sheet	0	0	0	0	
5.21	Miscellaneous Detail Sheets		Sheet	0	0	0	0	
5.22	Drainage Structure Sheet (Per Structure)		EA	0	0		0	
5.23	Miscellaneous Drainage Detail Sheets		Sheet	0	0	0	0	
5.24	Lateral Ditch Plan/Profile		Sheet	0	0	0	0	

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
5.25	Lateral Ditch Cross Sections		EA	0	0		0	
5.26	Retention/Detention Ponds Detail Sheet		Sheet	0	0	0	0	
5.27	Retention Pond Cross Sections		EA	0	0		0	
5.28	Cross-Section Pattern Sheet		Sheet	0	0	0	0	
5.29	Roadway Soil Survey Sheet		Sheet	0	0	0	0	
5.30	Cross Sections		EA	0	0		0	
5.31	Traffic Control Plan Sheets		Sheet	57	2.5	57	143	40 scale, 33 sheets/phase*3 phase*2hrs/sht
5.32	Traffic Control Cross Section Sheets		EA	0	0		0	N/A
5.33	Traffic Control Detail Sheets		Sheet	0	0	0	0	
5.34	Utility Adjustment Sheets		Sheet	0	0	0	0	
5.35	Selective Clearing and Grubbing		Sheet	0	0	0	0	
5.36	Erosion Control Plan		Sheet	0	0	0	0	
5.37	SWPPP		Sheet	0	0	0	0	
5.38	Project Control Network Sheet		Sheet	0	0	0	0	
5.39	Environmental Detail Sheets		LS	0	0		0	
5.40	Utility Verification Sheet (SUE Data)		Sheet	0	0	0	0	
Roadway Plans Technical Subtotal						57	143	

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
5.41	Quality Assurance/Quality Control		LS	%	5%		7	
5.42	Supervision		LS	%	5%		7	
5. Roadway Plans Total						57	157	

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
25.1	Data Collection	LS	1	16	16	
25.2	Site Inventory and Analysis	LS	1	16	16	
25.3	Planting Design	LS	1	31	31	24hrs/mile * 1.3 miles
25.4	Irrigation Design	LS	1	31	31	24hrs/mile * 1.3 miles
25.5	Hardscape Design	LS	1	0	0	
25.6	Computation Book and Quantities	LS	1	48	48	
25.7	Cost Estimates	LS	3	2	6	
25.8	Technical Specification Provisions	LS	1	6	6	
25.9	Other Landscape Architecture	LS	1	0	0	
Landscape Architecture Analysis Technical Subtotal					154	
25.10	Outdoor Advertising	LS	1	0	0	
25.11	Field Reviews	LS	1	0	0	
25.12	Technical Meetings	LS	1	24	24	Meetings are listed below
25.13	Quality Assurance/Quality Control	LS	%	5%	8	
25.14	Independent Peer Review	LS	%	0%	0	
25.15	Supervision	LS	%	5%	8	
Landscape Architecture Analysis Nontechnical Subtotal					40	
25.16	Coordination	LS	%	2%	4	
25. Landscape Analysis Total					198	

Technical Meetings

FDOT (kickoff, concept review)	EA	0	0	0
Maintaining Agency (cities, counties)	EA	2	4	8
Utility Owners	EA	0	0	0
Local Agency for Tree Removal	EA	0	0	0
Local Citizen Group(s)	EA	0	0	0
Other Meetings	EA	0	0	0

Subtotal Technical Meetings 8

Progress Meetings	EA	2	4	8
Phase Review Meetings	EA	2	4	8

Total Meetings 24

Carries to 25.11

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

Estimator:

Old Kings Road Widening
415964-1-52-01

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
26.1	Key Sheet		Sheet	0	0	0	0	
26.2	Tabulation of Quantities		Sheet	1	16	1	16	
26.3	General Notes		Sheet	1	4	1	4	
26.4	Tree and Vegetation Inventory, Protection and Relocation Plans		Sheet	1	16	1	16	Tree mitigation calcs/table only
26.5	Planting Plans For Linear Roadway Projects		Sheet	13	3	13	39	40 scale
26.6	Planting Plans (Interchanges and Toll Plazas)		Sheet	0	0	0	0	
26.7	Planting Details and Notes		Sheet	1	4	1	4	
26.8	Irrigation Plans for Linear Roadway Project		Sheet	13	3	13	39	40 scale
26.9	Irrigation Plans for Interchange and Toll Plazas		Sheet	0	0	0	0	
26.10	Irrigation Details and Notes		Sheet	1	3	1	3	
26.11	Hardscape Plans		Sheet	0	0	0	0	
26.12	Hardscape Details and Notes		Sheet	0	0	0	0	
26.13	Maintenance Plan		Sheet	0	0	0	0	
26.14	Cost Estimate		LS	3	2		6	
Landscape Architecture Plans Technical Hours Subtotal						31	127	
26.15	Quality Assurance/Quality Control		LS	%	5%		6	
26.16	Supervision		LS	%	5%		6	
26. Landscape Architecture Plans Total						31	139	



June 30, 2023

DRM-003-01

Mr. Donald Brown, P.E.
DRMP
941 Lake Baldwin Lane
Orlando, Florida 32814

**Re: Utility Coordination Services
Old Kings Road from S of Palm Harbor Village to N of Flemingwood Lane
415694-4-54-01 || City of Palm Coast**

Dear Mr. Brown,

Inwood Consulting Engineers, Inc. is pleased to submit the attached proposal for Utility Coordination Services for the Old Kings Road Project with the City of Palm Coast. The following outlines the anticipated scope for the project.

- Complete a Field Review and Sunshine Ticket for confirm the nine (9) UAOs in project limits
 - AT&T Florida
 - Charter / BHN
 - City of Palm Coast Fiber
 - City of Palm Coast W / WW
 - FPL Distribution
 - FPL Transmission
 - Metro FiberNet LLC
 - TECO PGS
 - Uniti Fiber
- Perform Two (2) Utility Contacts
 - Project Re-Activation – UAO Facility Updates
 - Plans Update – Final Document Coordination
- Meeting Preparation, Attendance and Post Meeting Follow-up
 - Individual UAO Meetings via Teams – 8 Meetings
 - Individual UAO Field Meeting – 1 Meeting
 - Utility Design Meeting – 1 Meeting
- Utility Coordination, Review Documentation and perform Constructability Reviews
- Assist with coordination on the City of Palm Coast Utility Plans Coordination
- Prepare Certification Memorandum and Documentation Package for City

The cost for above referenced scope of services is \$30,033.32 and the requested documentation (fee estimate and manhour sheets) is attached herein for your reference.

We appreciate the opportunity to provide our services on this project. If you have any questions regarding the aforementioned scope and attached documentation, please contact me at 407-242-4981 or via email at mschwartz@inwoodinc.com.

Very truly yours,
Inwood Consulting Engineers, Inc.

Melonie Schwartz
Utility Coordination Manager

TRANSPORTATION
WATER RESOURCES
PLANNING / PD&E
ECOLOGY
STRUCTURES
UTILITIES

3000 Dovera Drive
Suite 200
Oviedo, FL 32765

P: 407-971-8850
F: 407-971-8955
www.inwoodinc.com

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Old Kings Road from south of Palm Harbor Village Way to north of Flemingwood Lane
 County: Flagler
 FPN: 415694-4-54-01
 FAP No.: n/a

Consultant Name: Inwood Consulting Engineers, Inc.
 Consultant No.: DRM-003-01
 Date: 6/30/2023
 Estimator: Melonie Schwartz, Inwood

Staff Classification	Total Staff Hours From "SH Summary -	Senior Engineer	Senior Utility Coordinator	Senior Technician	-	-	-	-	-	-	-	-	-	SH By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	164	7	139	18	0	0	0	0	0	0	0	0	0	164	\$30,033	\$183.13
8. Environmental Permits, and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	164	7	139	18	0	0	0	0	0	0	0	0	0	164		
Total Staff Cost		\$1,592.50	\$26,393.32	\$2,047.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$30,033.32	\$183.13

Check = \$30,033.32

Survey Field Days by Subconsultant
4 - Person Crew:

Notes:

- This sheet to be used by Prime Consultant to calculate the Grand Total fee.
- Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

SALARY RELATED COSTS:				\$30,033.32
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
Survey (Field - if by Prime)	0	4-person crew days @	\$ - / day	\$0.00
SUBTOTAL ESTIMATED FEE:				\$30,033.32
Geotechnical Field and Lab Testing				\$0.00
SUBTOTAL ESTIMATED FEE:				\$30,033.32
Optional Services				\$0.00
GRAND TOTAL ESTIMATED FEE:				\$30,033.32

Project Activity 7: Utilities

Estimator: Melonie Schwartz

Old Kings Road from south of Palm Harbor Village Way to north of Flemingwood Lane
415694-4-54-01

Representing	Print Name	Signature / Date
City of Palm Coast		
Inwood Consulting Engineers	Melonie Schwartz	

NOTE: Signature Block is optional, per District preference

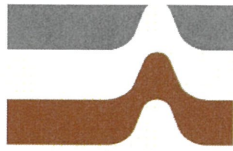
Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	Utility Kickoff Meeting	LS	0	0	0	Meetings are listed below - N/A
7.2	Identify Existing Utility Agency Owner(s)	LS	1	13	13	Identify /verify via Sunshine 811 dig ticket [1 hr] Complete Field Review [2 ppl x 6 hrs (2 hrs travel + 4 hr field review) = 12 hrs] 9 UAOs in project limits: AT&T Florida Charter/BHN City of Palm Coast Fiber City of Palm Coast Utility Department (W/WW) Florida Power and Light - Distribution Florida Power and Light - Transmission Metro FiberNet LLC TECO PGS Uniti Fiber
7.3	Make Utility Contacts	LS	1	8	8	8 Hours 4 hours (Initial Contact - UAO Update for current facilities) 4 hours (Final Contact - Plans Update Set for final documents)
7.4	Exception Processing	LS	0	0	0	N/A: Supplemental Agreement if required
7.5	Preliminary Utility Meeting	LS	0	0	0	Meetings are listed below - N/A
7.6	Individual/Field Meetings	LS	1	22	22	Meetings are listed below - 22 hours
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	27	27	UAO Update Contact (3) hours per utility * (9) utilities = 27 Hours
7.8	Subordination of Easements Coordination	LS	0	0	0	N/A: Supplemental Agreement if required
7.9	Utility Design Meeting	LS	1	4	4	Meeting is listed below - 4 hours
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	36	36	(2) hours per doc * (18) documents(UWS/Marked Plans) = 36 hours

Project Activity 7: Utilities

7.11	Utility Coordination/Followup	LS	1	27	27	(3) Hours per UAO * (9) UAOs = 27 hours
7.12	Utility Constructability Review	LS	1	9	9	(1) hr * (9) UAOs = 9 hours
7.13	Additional Utility Services	LS	0	0	0	N/A: Supplemental Agreement if required
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	12	12	Coordination with City of Palm Coast and DRMP for the UWHC Plans [12 hrs]
7.15	Contract Plans to UAO(s)	LS	0	0	0	N/A: Supplemental Agreement if required
7.16	Certification/Close-Out	LS	1	6	6	Certification Memo for LAP Checklist, Final Package to EOR/City [6 hrs]
7.17	Other Utilities	LS	0	0	0	N/A: Post Design Services will be under a Supplemental Agreement if required
7. Utilities Total					164	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	0	0	0	N/A		0
Preliminary Meeting (see 7.5)	EA	0	0	0	N/A		0
Individual UAO Meetings (see 7.6)	EA	8	2	16	Individual Meetings with each UAO for intital contact ((1) Virtual TEAMS Meeting + (1) minutes prep) = 2 hours * 8 mtgs = 16 hours	Yes	8
Field Meetings (see 7.6)	EA	1	6	6	One Field Meeting with UAO ((1) meeting prep + (2) travel time to project site + (2) duration + (1) minutes) = 6 hours	Yes	1
Design Meeting (see 7.9)	EA	1	4	4	One TEAMS Meeting with all UAOs at once Plans Update Contact ((1) meeting prep + (2) duration + (1) minutes) = 4 hours	Yes	1
Other Meetings (this is automatically added into Utilities Total (cell F27))	EA	0	0	0			0
Total Meetings				26	Total Project Manager Meetings (carries to Tab 3)		10

Carries to Tab 3



DRMP
941 Lake Baldwin Lane
Orlando, Florida 32814

Attention: Mr. Don Brown, P.E.

Subject: Proposal for Subsurface Soil Exploration and
Geotechnical Engineering Evaluation
Proposed Mast Arm Signals
Old Kings Road
Palm Coast, Volusia County, Florida

Dear Mr. Brown:

As requested, we are pleased to present this proposal for conducting a subsurface soil exploration and geotechnical engineering evaluation for the subject project. Based on discussion with you, the proposed development includes the installation of mast arm signals at the intersections of Old Kings Road with Fleetwood Drive and Frontier Drive in Palm Coast, Volusia County, Florida. We understand that the signals will be founded on drilled shaft foundations.

The scope of our work will include determining if the soil characteristics are suitable to construct the proposed mast arm signal foundations. We will also estimate the normal seasonal high groundwater table at the boring locations. Although our scope does not include analysis of the foundations, we will provide the soil properties typically required for the foundation analysis.

The following summarizes our proposed scope of work and associated fees for conducting the subject exploration.

FIELD EXPLORATION

The field exploration program will include the following:

Description	Number of Borings	Depth Below Ground Surface (feet)
Old Kings Road / Fleetwood Drive	3 SPT	30
Old Kings Road / Frontier Drive	4 SPT	30

The SPT borings will be drilled using a procedure similar to the Standard Penetration Test outlined in ASTM D-1586. The borings will be sampled at 18-inch intervals to 10 feet deep and at 5-foot intervals below 10 feet. Each sample will be removed from the sampler in the field and then

examined and visually classified by our crew chief. Representative portions will be sealed and packaged for transportation to our laboratory for further analysis as required. Water level observations will be made in the boreholes during the drilling operation.

Borings will be performed as close as possible to the locations designated by the client. The selected locations will need to be accessible to equipment and personnel and adequately offset from utility lines and the roads. A 25-foot offset from overhead power lines is required. If drilling on private property, permission, clearance and access to the boring locations will need to be obtained from the property owner(s) by the client. If site conditions are such that a boring or borings cannot be drilled, then we will notify you and plan to drill the remaining boring or borings that can be drilled.

Cone penetration test (CPT) soundings may be substituted for SPT borings. If utilized, the cone penetration test (CPT) soundings will be performed to evaluate the variability in the stratigraphy and properties of the in-situ soils, and to identify trends in strength versus depth. The piezocone has a sixty-degree apex with a pore pressure sensing element at the tip and provides a record of tip resistance, sleeve friction resistance and penetration pore pressure with depth. The CPT soundings will be performed using the hydraulic press of the cone truck and using the general methodology outlined in ASTM D-5778. We note that the CPT soundings will be terminated at the specified depth, a maximum tip resistance of approximately 500 tons per square foot (tsf) or if excessive bending of the cone is detected, whichever occurs first.

LABORATORY PROGRAM

Routine laboratory visual classification will be performed along with specific classification tests deemed necessary (i.e., percent fines, natural moisture content and Atterberg limits).

ENGINEERING REPORT

Engineering analysis of all data obtained will be made to evaluate general subsurface conditions and to provide recommended soil parameters including cohesion, angle of internal friction, soil unit weight, at-rest earth pressure coefficient, and coefficient of friction for the shaft/soil interface for use by others in design of the signal foundation. In addition, we will provide an estimate of the normal seasonal high groundwater table at the boring locations.

Our recommendations, together with data developed during the exploration, will be submitted in a written report upon conclusion of the study.



COST ESTIMATE

The costs associated with the aforementioned tasks are estimated as follows. The total cost will not be exceeded without prior authorization.

Stake Borings and Coordinate Utility Locations with Sunshine State One-Call by Assistant Project Engineer; 5 hours @ \$140.00/hour	\$700.00
Mobilize Drilling Crew and Equipment; 1 mobilization @ \$600.00/mob.	\$600.00
SPT Borings; 7 borings x 30 l.f. @ \$18.25/l.f.	\$3,832.50
Laboratory Classification Testing Allowance; estimate	\$242.50
Senior Engineer; 1 hour @ \$195.00/hour	\$195.00
Project Engineer; 6 hours @ \$160.00/hour	\$960.00
CADD Draftsperson; 5 hours @ \$88.00/hour	\$440.00
Technical Secretary; 2 hours @ \$65.00/hour	<u>\$130.00</u>
TOTAL	\$7,100.00

TERMS AND CONDITIONS

This proposal is subject to the following terms and conditions: (1) access to the boring location is to be readily available to our truck-mounted drilling equipment, (2) the proposed number of borings and the boring depths will be adequate, (3) undisturbed samples and consolidation tests on fine grained soils are not budgeted into the total cost, (4) maintenance of traffic is not required to perform the exploration, (5) Ardaman & Associates will not take responsibility for damages to underground structures and/or services that are not located by Sunshine State One-Call, (6) exploration or evaluation of the environmental (ecological or hazardous/toxic material related) condition of the site and subsurface is not included, and (7) no permits and/or Maintenance of Traffic (MOT) will be required to perform the exploration, and (8) this proposed exploration is a relatively shallow exploration and is not intended to be an evaluation for sinkhole potential.

CLOSURE

We appreciate the opportunity to submit this proposal and look forward to working with you on this project. If this proposal meets with your approval, please provide authorization to proceed. Please call if you have any questions or require additional information.

Very truly yours,
ARDAMAN & ASSOCIATES, INC.



Zan C. Bates, P.E.
Senior Engineer



Colin T. Jewsbury, P.E.
Orlando Branch Manager

ZCB/CTJ/lms

23-60-233 DRMP - Proposed Mast Arm Signal Old Kings Road Palm Coast.docx (2023PP)



Ardaman & Associates, Inc.

Attachment 1

1.	Mobilization of Crew and Equipment	Varies
2.	Standard Penetration Test Borings:	
	(a) \$18.25/l.f. (0 - 50 ft. depth)	
	(b) \$21.75/l.f. (51 - 100 ft. depth)	
	(c) \$29.50/l.f. (100 - 150 ft. depth)	
3.	Auger Borings/Wash Borings	\$14.00/l.f.
4.	Install Temporary Casing	
	0 to 50 feet	\$12.70/l.f.
	50 to 100 feet	\$15.60/l.f.
5.	Undisturbed Samples (Shelby Tube)	\$230.00/each
6.	Grouting boreholes	\$6.00/l.f.
7.	Add 10% to Unit Rates for Drilling with Mudbug Equipment	
8.	Cone Penetration Tests	\$18.00/l.f.
9.	Muck Probes	Manhour Rates
10.	Groundwater Level Piezometer	\$32.25/l.f.
11.	Double Ring Infiltrometer Test	\$735.00/each
12.	Field Permeability	\$385.00/each
13.	Laboratory Testing:	
	(a) Incremental Consolidation Test	\$795.00/test
	(b) Atterberg Limits	\$141.00/set
	(c) Sieve Analysis	\$75.00/each
	(d) Percent Fines	\$44.00/each
	(e) Natural Moisture Content	\$17.75/each
	(f) Organic Content	\$42.25/each
	(g) Unit Weight/Classification of Undisturbed Sample	\$83.50/each
	(h) Permeability Test	\$385.00/each
14.	Engineering Analysis and Report Preparation:	
	Principal Engineer (P.E.)	\$235.00/hour
	Senior Engineer (P.E.)	\$195.00/hour
	Senior Project Engineer (P.E.)	\$180.00/hour
	Project Engineer (P.E.)	\$160.00/hour
	Assistant Project Engineer	\$140.00/hour
	Staff Scientist	\$122.50/hour
	Engineering Assistant	\$112.00/hour
	Sr. Engineering Technician	\$90.00/hour
	Engineering Technician	\$75.00/hour
	CADD Draftsperson	\$88.00/hour
	Technical Secretary	\$65.00/hour
15.	Standby of drill crew and equipment for reasons beyond our control or difficult access	\$264.00/crew-hour

*Unit prices effective until December 31, 2023



PROPOSAL/PROJECT ACCEPTANCE AND AGREEMENT

PROJECT INFORMATION:

Project Name Proposed Mast Arm Signals
Project Location Old Kings Road, Palm Coast, Volusia County, Florida
Proposal Number and Date 23-60-233 / July 13, 2023
Description of Services Subsurface Soil Exploration and Geotechnical Engineering Evaluation
Estimated Fee \$7,100.00

PROPERTY OWNER IDENTIFICATION:

Name
Property Identification Number
Address
City/State Zip Code Phone
Attention Title

SPECIAL INSTRUCTIONS:

PAYMENT TERMS:

Payment shall be due within 30 days after date of each periodic invoice. Interest at the rate of 18% per annum (or the highest rate allowable by law) shall accrue on all amounts not paid within 30 days after date of invoice. All attorney fees and expenses associated with collection of past due invoices will be paid by Client. Timely payment of Ardaman & Associates, Inc.'s ("A&A") invoices is a condition precedent to any claim against A&A and the failure to timely pay any invoice shall constitute a waiver of any and all claims arising from or related to A&A services, including but not limited to the services described in this Proposal.

PROPOSAL ACCEPTANCE:

The Terms and Conditions of this Proposal, including the General Conditions appearing on the following pages of this Proposal, are incorporated herein by reference. No terms or conditions other than those contained herein, and no agreement or understanding, oral or written, purporting to modify these Terms and Conditions, whether contained in Client's purchase forms or construction documents or elsewhere, are binding on A&A unless signed by an authorized representative of A&A. In the event Client directs A&A to proceed with its Work prior to executing this Proposal Acceptance, such direction shall constitute deemed acceptance of this Proposal.

Accepted this day of, 20

(Print or type individual, firm or corporate body name)

(Signature of authorized representative)

(Print or type name of authorized representative and title)

GENERAL CONDITIONS

Parties And Scope Of Work – A&A shall include said company and any subsidiary or affiliate performing the Work. “Work” means the specific services to be performed by A&A as set forth in A&A’s proposal as well as any additional services requested or accepted by Client. “Client” refers to the person or business entity ordering the Work to be done by A&A. If the Client is ordering the Work on behalf of a third party or intends to provide A&A’s Work to induce a third party’s reliance, Client shall disclose the identity of such third party to A&A in writing before the commencement of A&A’s Work hereunder. In the event Client fails to disclose the identity of such third party prior to commencement of A&A’s Work, A&A will owe no legal duty to such third party unless the third party negotiates and obtains a written reliance letter from A&A. Client agrees that A&A’s professional duties are specifically limited to the Work as set forth in A&A’s proposal. The Client assumes sole responsibility for determining whether the quantity and the nature of the Work ordered by the Client is adequate and sufficient for the Client’s intended purpose. A&A’s Work is for the exclusive use of Client. In no event shall A&A owe any legal duty to any third party (including, but not limited to, assignees, successors in interest and subsequent purchasers) unless those third parties are disclosed by Client in accordance with this paragraph and those third parties accept these General Conditions.

On-Call Services – In the event A&A is retained to perform construction materials testing (“CMT”), including but not limited to proctor and soil density tests, concrete tests, etc., on an On-Call basis such that A&A is not retained to perform continuous observations of construction, Client assumes sole responsibility for determining the type, location and frequency of sampling and testing. In such On-Call testing, A&A’s test results are only representative of conditions at the test location and elevation, and different conditions may exist at other locations and other elevations. Furthermore, in the event Client fails to properly determine the location or frequency of sampling and testing, under no circumstances will A&A assume that duty by performing its CMT services.

Right-of-Entry – Unless otherwise agreed, Client will furnish right-of-entry on the property for A&A to make the planned borings, surveys, and/or explorations. A&A will take reasonable precautions to minimize damage to the property caused by its equipment and sampling procedures, but the cost of restoration or damage which may result from the planned operations is not included in the contracted amount.

Damage to Existing Man-made Objects – It shall be the responsibility of the Client to disclose the presence and accurate location of all hidden or obscure man-made objects relative to field tests, sampling, or boring locations. Client waives any claim against A&A and A&A’s subcontractors arising from any damage to existing man-made objects. In addition, Client shall defend, indemnify, and hold A&A and A&A’s subcontractors harmless from any third party claim arising from damage to existing man-made objects. Client’s obligation to indemnify for such third-party claims is limited to \$1,000,000 per occurrence which the parties agree bears a reasonable relationship to this Agreement.

Limitation of Liability – A&A shall perform services for Client in a professional manner, using that degree of care and skill ordinarily exercised by and consistent with the standards of competent consultants practicing in the same or a similar locality as the project. In the event any portion of the services fails to comply with this obligation and A&A is promptly notified in writing prior to one year after completion of such portion of the services, A&A will re-perform such portion of the services, or if re-performance is impracticable, A&A will refund the amount of compensation paid to A&A for such portion of the services. In no event shall A&A be liable for any special, indirect, incidental, or consequential damages. The remedies set forth herein are exclusive and the total liability of A&A whether in contract, tort (including negligence whether sole or concurrent), or otherwise arising out of, connected with or resulting from any and all services provided by A&A, including but not limited to the Work, shall not exceed the total fees paid by Client or \$50,000.00, whichever is less.

PURSUANT TO §558.0035, FLORIDA STATUTES, A&A’S INDIVIDUAL EMPLOYEES AND/OR AGENTS MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE ARISING OUT OF, CONNECTED WITH, OR RESULTING FROM THEIR SERVICES PROVIDED PURSUANT TO THIS AGREEMENT.

Sampling or Testing Location – Unless specifically stated to the contrary, the unit fees included in this proposal do not include costs associated with professional land surveying of the site or the accurate horizontal and vertical locations of tests. Field tests or boring locations described in our report or shown on our sketches are based on specific information furnished to us by others or estimates made in the field by our technicians. Such dimensions, depths or elevations should be considered as approximations unless otherwise stated in the report.

Sample Handling and Retention – Generally test samples or specimens are consumed and/or substantially altered during the conduct of tests and A&A, at its sole discretion, will dispose (subject to the following) of any remaining residue immediately upon completion of test unless required in writing by the Client to store or otherwise handle the samples. (a) NON HAZARDOUS SAMPLES: At Client’s written request, A&A will maintain preservable test samples and specimens or the residue therefrom for thirty (30) days after submission of A&A’s report to Client free of storage charges. After the initial 30 days and upon written request, A&A will retain test specimens or samples for a mutually acceptable storage charge and period of time. (b) HAZARDOUS OR POTENTIALLY HAZARDOUS SAMPLES: In the event that samples contain substances or constituents hazardous or detrimental to human health, safety or the environment as defined by federal, state or local statutes, regulations, or ordinances (“Hazardous Substances” and “Hazardous Constituents”, respectively), A&A will, after completion of testing and at Client’s expense: (i) return such samples to Client; (ii) using a manifest signed by Client as generator, will have such samples transported to a location selected by Client for final disposal. Client agrees to pay all costs associated with the storage, transport, and disposal of such samples. Client recognizes and agrees that A&A is acting as a bailee and at no time does A&A assume title of said waste.

Discovery of Differing Site Conditions or Unanticipated Hazardous Materials – Differing site conditions or certain types of hazardous materials (unanticipated materials) may exist at a site where there is no reason to believe they could or should be present. A&A and Client agree that the discovery of unanticipated materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. A&A and Client also agree that the discovery of unanticipated materials may make it necessary for A&A to take immediate measures to protect health and safety. A&A agrees to notify Client as soon as practicable should unanticipated materials be encountered. Client encourages A&A to take any and all measures that, in A&A’s professional opinion, are justified to preserve and protect the health and safety of A&A’s personnel and the public. Client agrees to compensate A&A for the additional cost of working to protect employees’ and the public’s health and safety. In addition, Client waives any claim against A&A arising from A&A’s discovery of unanticipated materials.

Indemnification – Client agrees to defend, indemnify, and save harmless A&A from all claims, including negligence claims, suits, losses, personal injuries, death and property liability resulting from the actions or inactions of Client, Client’s contractors, representatives, agents and employees.

Assignment – Client hereby agrees that this Agreement shall not be assignable by Client without A&A’s written consent.

Legal Jurisdiction – The parties agree that any litigation shall be governed by the laws of the State of Florida and only be brought in a court of competent jurisdiction located in Orlando, Orange County, Florida. All causes of action, including but not limited to actions for indemnification and contribution, arising out of A&A’s Work shall be deemed to have accrued and the applicable statutes of limitation, which are unaltered by this provision, shall commence to run not later than the date of issuance of A&A’s final invoice for the Work. Each of the parties hereto irrevocably waives any and all right to trial by jury in any legal proceeding arising out of or relating to this agreement.

Compliance With Laws - A&A shall perform its services consistent with the applicable standard of care and endeavor to incorporate laws, regulations, codes, applicable at the time the work is performed. In the event that standards of practice change during the Project, A&A shall be entitled to additional compensation where additional services are needed to conform to the standard of practice. Both A&A and the Client shall abide by all local, state, and federal regulations and laws, the U.S. Foreign Corrupt Practices Act, UK Bribery Act and other laws as may apply.

Termination - A&A may terminate this Agreement with cause for non-payment of invoices upon fourteen (14) days written notice.

Force Majeure - A&A shall not be held responsible for any delay or failure in performance caused by fire, flood, explosion, war, strike, embargo, government requirement, civil or military authority, acts of God, pandemic, epidemic, government shutdowns, act or omission of subcontractors, carrier, clients, or other similar causes beyond its control.

Drafting and Severability – This Agreement has been drafted by all Parties hereto and shall not be construed against one Party or in favor of any other Party. In the event that any provision of this Agreement is held invalid, the remainder of this Agreement shall be fully enforceable.

6/22/23

MASTER SERVICES AGREEMENT
(Professional Services)

THIS MASTER SERVICES AGREEMENT ("Agreement") made and entered into this ____ day of _____, 2023 ("Effective Date"), between DRMP, INC. whose primary place of business is 941 Lake Baldwin Lane, Orlando, Florida 32814 ("SUPPLIER") and the CITY OF PALM COAST, a municipal corporation of the State of Florida, holding tax exempt status, whose address is 160 Lake Avenue, Palm Coast, Florida 32164, ("CITY"). CITY and SUPPLIER are collectively referred to herein as "Parties".

WITNESSETH:

WHEREAS, CITY desires to procure **Design Services for the Old Kings Road Widening Project** from a competent and qualified supplier and has conducted a formal Request for Statement of Qualifications # RFQ-CD-CP-13-07 (RFQ) requesting bids/quotes for the services; and

WHEREAS, SUPPLIER is in the business of providing said services, is competent and qualified to provide said services to CITY, responded to the RFQ and desires to render said services to CITY in accordance with the terms and conditions stated herein;

NOW, THEREFORE, in consideration of the mutual understandings and covenants set forth herein, the receipt and sufficiency of which is hereby acknowledged, CITY and SUPPLIER agree as follows:

1. SUPPLY OF SERVICES:

A. Work Order/Services. This Agreement standing alone does not authorize performance of Services or require CITY to place any orders. During the term of this Agreement, subject to the terms of a work order ("Work Order"), attached to this Agreement as Exhibit A agreed to by CITY and SUPPLIER, SUPPLIER shall provide the services, including any deliverables ("Services"), set forth in such Work Order. At a minimum, each Work Order will set forth a brief project description, the specific tasks, activities and deliverables to be performed, a timeline for performance and completion, a budget, and a payment schedule, with milestone payments where applicable. Each Work Order must be executed by the Parties prior to the commencement of Services thereunder. SUPPLIER shall use its best efforts to provide Services to CITY as described herein; to keep CITY advised of the progress of the work; to provide CITY with such reports, presentations, charts, graphs, and the like as are appropriate to the nature of the services to be performed hereunder; and to maintain complete files and records of all Services provided. Execution of a Work Order shall be an affirmative and irrefutable representation by SUPPLIER to CITY that SUPPLIER is fully familiar with any and all requisite work conditions related to the provisions of the services.

B. Quality of Services. SUPPLIER shall make no claim for additional time or money based upon its failure to comply with this AGREEMENT. SUPPLIER has informed CITY, and hereby represents to CITY, that it has extensive experience in performing and providing the services described in this AGREEMENT, and that it is well acquainted with the components that are properly and customarily included within such Services and the requirements of laws, ordinances, rules, regulations, or orders of any public authority or licensing entity having jurisdiction over CITY Projects. SUPPLIER shall diligently and in a professional and timely manner perform and provide the Services included in each Work Order. All Services to be provided shall in the minimum be in conformance with commonly accepted industry and professional codes and standards, standards of CITY, and the laws of any Federal, State, or local regulatory agencies. SUPPLIER shall be responsible for keeping apprised of any changing laws applicable to the services to be performed under this Agreement. SUPPLIER shall be responsible for the professional quality, accepted standards, technical accuracy and the coordination of all services furnished by SUPPLIER under this Agreement, as well as the conduct of its staff, personnel, employees, and agents. SUPPLIER shall work closely with the CITY on all aspects of the provision of the services. SUPPLIER shall be responsible for the professional quality, technical accuracy, competence, methodology, and the coordination of all of the following which are listed for illustration purposes and not as a limitation: documents, analysis, reports, data, plans, plats, maps, surveys, specifications, and any and all other services of whatever type or nature furnished by SUPPLIER under this Agreement. SUPPLIER shall, without additional compensation, correct or revise any errors or deficiencies in his plans, analysis, data, reports, designs, drawings, specifications, and any and all other services of whatever type or nature

C. Schedule/Delivery. Time is of the essence in the performance of this Agreement and any Work Order hereunder. SUPPLIER shall begin performing services upon execution by both Parties of the Work Order and written notification to proceed by CITY. SUPPLIER and CITY agree to make every effort to adhere to the schedules as described in each

Work Order. However, if SUPPLIER is delayed at any time in the provision of services by any act or omission of CITY or by any other supplier employed by CITY, the time of completion shall be extended for such reasonable time as the CITY may decide in its sole and absolute discretion. If SUPPLIER'S performance is affected by any event beyond its reasonable control, including fire, explosion, flood, or other acts of God; war, terrorist acts or civil commotion; strike, lock-out or labor disturbances; or failure of public utilities or common carriers, SUPPLIER shall not be liable in connection with this Agreement to the extent affected by such force majeure event; provided that SUPPLIER gives CITY immediate written notice of the force majeure event and exercises all reasonable efforts to eliminate the effects of the force majeure event on its performance as soon as and to the extent practicable. It is further expressly understood and agreed that SUPPLIER shall not be entitled to any damages or compensation, or be reimbursed for any losses, on account of any delay or delays resulting from any of the aforesaid causes or any other cause whatsoever.

- D. Change Orders.** No changes to a Work Order shall be made without the prior written approval of the Parties. The agreed upon changes shall be detailed in a Change Order. Each Change Order shall include a schedule of completion for the services authorized. Change Orders shall identify this Agreement and the appropriate Work Order number. Change Orders may contain additional instructions or provisions specific to the services to be provided. Such supplemental instructions or provisions shall not be construed as a modification of this Agreement. Execution of any Change Order shall constitute a final settlement and a full accord and satisfaction of all matters relating to the change including but not limited to scope, costs and adjustments to the schedule.
- E. Supplier Designated Representative/Key Personnel.** SUPPLIER shall furnish a SUPPLIER Designated Representative to administer, review, and coordinate the provision of services under this Agreement and each Work Order. Upon request by CITY, SUPPLIER shall submit to CITY detailed resumes of key professional personnel that will be involved in performing services described in the Work Order. CITY hereby acknowledges its acceptance of such personnel to perform services under this Agreement. If, at any time, SUPPLIER desires to change key professional personnel in an active assignment, it shall submit the qualifications of the new professional personnel to CITY for prior approval. Key professional personnel shall include the principal-in-charge, project managers, and others interfacing with CITY personnel.
- F. Replacement of SUPPLIER Personnel.** CITY reserves the right to reject at any time for any lawful reason whatsoever any of SUPPLIER'S personnel assigned by SUPPLIER in connection with any Work Order. SUPPLIER shall as soon as possible thereafter provide a replacement satisfactory to CITY. In no event shall performance of the Services be delayed or shall CITY be charged for any time required for any replacement SUPPLIER'S personnel to be trained to provide or become familiarized with the Services, whether the replacement is requested by CITY or not.
- G. CITY Premises.** At all times while on CITY'S premises, SUPPLIER shall comply with all rules and regulations of CITY. SUPPLIER shall be responsible for its employees and agents while on CITY'S premises.
- H. Ownership of Deliverables.** All deliverables, including any analysis, reference data, presentations, inventions, computer models, survey data, plans and reports, or any other form of written instrument or document and ideas made or conceived by SUPPLIER that result from or in connection with or during the performances of Services for CITY and any proprietary rights thereto, shall be the property of CITY. SUPPLIER agrees to assign, and does hereby assign, to CITY all right, title and interest of whatsoever kind and nature in and to all Deliverables and related proprietary rights. SUPPLIER shall execute, acknowledge, and deliver to CITY all such further papers as may be necessary to enable CITY to own, register, publish or protect said Deliverables and related proprietary rights in any and all countries and to vest title to said Deliverables and related proprietary rights in CITY. SUPPLIER grants to the City a non-exclusive, irrevocable, unlimited, royalty-free license to use every document and all other materials prepared by the SUPPLIER for the CITY under this Agreement.
- I. Acceptance Criteria.** For any milestone in which SUPPLIER submits a Deliverable, CITY shall have the right to review and test such deliverable for the functional requirements or acceptance criteria specified for such deliverable and shall notify SUPPLIER if there are any deficiencies. SUPPLIER shall use its best efforts to promptly cure any such deficiencies, and after completing any such cure, SUPPLIER shall resubmit the deliverable for review and testing as set forth above. Any applicable warranty period shall only commence after acceptance by CITY.

2. COMPENSATION:

- A. Costs and Expenses.** Compensation to SUPPLIER for the services performed on each Work Order shall be as set forth in the Work Order/Change Order. CITY shall only reimburse SUPPLIER for out-of-pocket expenses such as gas, tolls, mileage, meals, etc., that are directly attributable to the performance of work under a Work Order and have been approved in writing in advance by an authorized representative of CITY.

- B. Invoicing.** Each Work Order shall be invoiced separately. As work progresses for services satisfactorily performed, SUPPLIER shall render to the CITY, at the close of each calendar month, an itemized detailed invoice properly dated, describing all services rendered, proper documentation of the cost of the services, the name and address of SUPPLIER, Work Order Number, Contract Number, the billing period, if applicable, and all other information required by this Agreement. SUPPLIER shall not send any invoices with respect to Services, and no claim from SUPPLIER for payment (including any amount for fees or expenses) will be allowed for any work done by SUPPLIER with respect to such Services, prior to the Parties' executing the Work Order and CITY issuing a purchase order to SUPPLIER with respect to Services. Work performed by SUPPLIER without written approval by the City's Designated Representative shall not be compensated. Any work performed by SUPPLIER without written approval by CITY is performed at SUPPLIER'S own election. Except for charges or expenses of SUPPLIER expressly set forth in the applicable Work Order, CITY shall not be responsible for any other charges or expenses of SUPPLIER or any mark-ups on any expenses of SUPPLIER. SUPPLIER shall submit invoices to CITY with supporting documentation for approved expenses, signed by the Authorized Representative. Original invoices should be submitted via email to ap@palmcoastgov.com.
- C. Payment Terms.** The Florida Prompt Payment Act shall apply when applicable. Invoices which are in an acceptable form to CITY and without disputable items will be processed for payment under the Prompt Payment Act., Fla. Stat. 218.23; payments shall be made by CITY to SUPPLIER not more than once monthly. SUPPLIER shall continue to perform during any dispute of an invoice.
- D. Financial Reconciliation.** At the completion or termination of the Services and before the final payment will be made, SUPPLIER shall, upon request by CITY, provide CITY with a financial reconciliation of funds paid by CITY and tasks completed or partially completed.

3. TERM AND TERMINATION:

- A. Term.** This Agreement shall take effect on the Effective Date and shall terminate at the end of one (1) year. Following the initial term and at the sole option of CITY, this Agreement may be renewed for two (2) successive periods not to exceed one (1) year each. Expiration of the term of this Agreement shall have no effect upon Work Orders and Purchase Orders issued pursuant to this Agreement and prior to the expiration date. Work Orders shall remain in effect until delivery and acceptance of the work authorized by the Work Order as well as during periods of warranty and guarantee.

B. Termination By CITY.

- i. Termination Without Cause. CITY may terminate this Agreement at any time upon fifteen (15) days prior written notice; provided however, that any Work Order entered into shall survive such termination under the terms of this Agreement until the conclusion of such Work Order unless such Work Order is specifically terminated. CITY may terminate any incomplete Work Order at any time and for any or no reason upon written notice to SUPPLIER. In the event of such termination, SUPPLIER shall immediately cease all work in connection with the applicable Work Order after receipt of written notice from CITY unless such notice expressly provides otherwise.
- ii. Termination for Cause. CITY may terminate this Agreement for cause at any time upon written notice allowing SUPPLIER five (5) days to remedy the breach. Cause shall include but is not limited to:
 1. If, in CITY'S opinion, adequate progress under a Work Order is not being made by SUPPLIER; or
 2. If, in CITY'S opinion, the quality of the services provided by SUPPLIER is/are not in conformance with commonly accepted professional standards, standards of CITY, the requirements of Federal or State regulatory agencies, and SUPPLIER has not corrected such deficiencies in a timely manner as reasonably determined by CITY; or
 3. SUPPLIER or any employee or agent of SUPPLIER is indicted or has a direct charge issued against him for any crime arising out of or in conjunction with any work that has been performed by SUPPLIER; or
 4. SUPPLIER becomes involved in either voluntary or involuntary bankruptcy proceedings, or makes an assignment for the benefit of creditors; or
 5. SUPPLIER violates the Standards of Conduct provisions herein or any provision of State or local law or any provision of the City Code of Conduct.

iii. Except where CITY terminates for cause, SUPPLIER shall be entitled to payment for any work performed and accepted by CITY and any CITY approved expenses irrevocably committed prior to the effective date of termination. CITY shall be entitled to an appropriate refund for any amounts advanced to SUPPLIER for Services not yet performed as of the effective date of termination. SUPPLIER shall not be entitled to any damages for such early termination of Services. In no event shall CITY be responsible for any amounts in the aggregate greater than (i) the total that would have been due under such Work Order or (ii) the value of the work done by SUPPLIER in accordance with such Work Order and this Agreement with respect thereto prior to termination, whichever is less.

iv. Within five (5) days from the effective date of termination, SUPPLIER shall provide or make available to CITY all materials provided by CITY to SUPPLIER and all CITY materials, including any work-in-progress and all full and partial copies thereof, and shall also submit an invoice to CITY in accordance with the pricing set forth in such Work Order for all work done by SUPPLIER in accordance with such Work Order and this Agreement with respect thereto prior to termination.

C. Termination By SUPPLIER. SUPPLIER shall have the right to terminate this Agreement or any Work Order hereunder by way of a written notice, if CITY commits a material breach of the Agreement or a Work Order hereunder and fails to remedy such breach within fifteen (15) days after receipt of written notice of default.

D. Cooperation. Upon receipt of a notice for any termination of this Agreement and any Work Order hereunder, the Parties shall cooperate with each other and use all commercially reasonable efforts to effect a smooth transition process.

E. Survivability. The terms of this Agreement shall survive in full force and effect as to any incomplete Work Orders and Purchase Orders issued prior to the expiration of this Agreement and such Work Orders and Purchase Orders shall continue to be subject to this Agreement until such Work Orders and Purchase Orders are completed or terminated in accordance with this Agreement.

4. REPRESENTATIONS AND WARRANTIES.

A. SUPPLIER represents and warrants the following:

i. The Services shall be performed strictly in accordance with and conform to this Agreement, the applicable Work Order and any applicable industry standards and practices.

ii. The Services shall be provided by qualified personnel, suitably skilled and trained in the performance of the Services, and performed in a diligent and professional manner.

iii. SUPPLIER has obtained, at its sole and exclusive expense, any and all permits, licenses, permissions, approvals or similar consents required to perform the Services.

iv. All deliverables, material, supplies or goods provided by SUPPLIER shall be free from defects and be of merchantable quality.

v. All deliverables provided shall be original and shall not infringe any copyright or violate any rights of any persons or entities whatsoever, except that SUPPLIER shall not be responsible for any claim arising solely from SUPPLIER'S adherence to CITY'S written instructions or directions which do not involve items of SUPPLIER'S origin, design or selection.

vi. SUPPLIER shall comply with Federal, State, and local environmental, health, and safety laws and regulations applicable to the Services provided to the City. SUPPLIER agrees that any program or initiative involving the work that could adversely affect any personnel involved, citizens, residents, users, neighbors or the surrounding environment shall ensure compliance with any and all employment, safety, environmental and health laws.

B. Without limiting any other rights that CITY may have, CITY reserves the right to refuse any Services if SUPPLIER does not, or the Services do not, conform to the foregoing. Acceptance of any part of the Services shall not bind CITY to accept any non-conforming Services simultaneously provided by SUPPLIER, nor deprive CITY of the right to reject any previous or future non-conforming Services.

- C. The representations and warranties contained herein are deemed to be material obligations and shall survive any payment by CITY and shall survive any termination or expiration of this Agreement and any termination or completion of any or all Work Orders.
- 5. INDEMNIFICATION/SOVEREIGN IMMUNITY AND INSURANCE.**
- A. **Indemnification.** SUPPLIER shall indemnify and hold harmless CITY, and its officers and employees, from and against liabilities, damages, losses, and costs, including, but not limited to, reasonable attorney's fees, to the extent the foregoing are caused by the negligence, recklessness, or intentionally wrongful conduct of the SUPPLIER and other persons employed or utilized by the SUPPLIER in performance of this Agreement, including damage to persons or property. The indemnification obligations herein shall not be limited to the amount of insurance coverage required herein or benefits payable by or for SUPPLIER or its agents under worker's compensation acts, disability benefits acts, or other employee benefits acts. This indemnification provision shall survive any termination or expiration of this agreement. PURSUANT TO FLORIDA STATUTES SECTION 558.0035, AN INDIVIDUAL EMPLOYEE OR AGENT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE IF THE REQUIREMENT OF THIS SECTION ARE MET.
- B. **Sovereign Immunity.** CITY expressly retains all rights, benefits and immunities of sovereign immunity and nothing herein shall be deemed to affect the rights, privileges, and immunities of City as set forth in Section 768.28, Florida Statutes.
- C. **Insurance.** SUPPLIER shall, at SUPPLIER'S own cost, procure insurance in accordance with Exhibit "B" Insurance Requirements, attached hereto and made a part hereof.
- 6. ALTERNATIVE DISPUTE/CONFLICT RESOLUTION.**
- A. In the event of a dispute related to any performance or payment obligation arising under this Agreement, the Parties agree to exhaust the conflict resolution procedures reasonably imposed by CITY prior to filing suit or otherwise pursuing legal remedies.
- B. SUPPLIER agrees that it will file no suit nor otherwise pursue legal remedies based on facts or evidentiary materials that were not presented for consideration in the dispute resolution procedures set forth in subsection (A) of this Section.
- C. In the event that the CITY'S dispute resolution procedures are exhausted and a suit is filed or legal remedies are otherwise pursued, the Parties shall exercise their best efforts to resolve disputes through voluntary mediation. Mediator selection and the procedures to be employed in voluntary mediation shall be reasonably imposed by CITY. The costs of voluntary mediation shall be shared equally among the Parties participating in the mediation.
- 7. ASSIGNMENT.** SUPPLIER shall not assign this Agreement, any rights hereunder or any monies due or to become due, nor delegate or subcontract any obligations or work, without the prior written consent of CITY, and any such purported assignment without such written consent shall be void. This Agreement shall be binding on SUPPLIER'S heirs, executors, legal representatives, successors and permitted assigns.
- 8. AUDIT OF BOOKS AND RECORDS.** SUPPLIER shall maintain all books, documents, papers, accounting records and other evidence pertaining to this Agreement during the term of this Agreement and for five (5) years subsequent to the expiration or termination of this Agreement and/or final payment whichever is later. CITY or CITY'S authorized representative, may at all reasonable times during the term of this Agreement and for five (5) years thereafter and upon reasonable notice, inspect and audit the books, documents, papers, accounting records and other evidence pertaining to this Agreement and SUPPLIER shall make such materials available at SUPPLIER'S office upon CITY'S request. In the event any audit or inspection conducted after final payment reveals any overpayment by CITY under the terms of this Agreement, SUPPLIER shall refund such overpayment to CITY within thirty (30) days of notice by CITY. SUPPLIER agrees that if any litigation, claim, or audit is started before the expiration of the record retention period established above, the records shall be retained until all litigation, claims, or audit findings involving the records have been resolved and final action taken.
- 9. AUTHORIZED REPRESENTATIVE.** Each party hereto represents to the other that it has undertaken all necessary actions to execute this Agreement, and that it has the legal authority to enter into this Agreement, and to undertake all obligations imposed on it. The person(s) executing this Agreement for SUPPLIER certifies/certify that he/she/they is/are authorized to bind SUPPLIER fully to the terms of this Agreement.

10. CHOICE OF LAW/JURISDICTION. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Florida. In any action or proceeding required to enforce or interpret the terms of this Agreement, venue shall be of the Seventh Judicial Circuit in and for Flagler County, Florida, or the Middle District of Florida in Orlando, FL., if in federal court.

11. COMPLIANCE WITH LAWS. SUPPLIER agrees to comply with all Federal, State, and City laws, ordinances, regulations, and codes applicable to the Services including, but not limited to, the following:

A. Discrimination/ADA. SUPPLIER shall not discriminate against any employee or applicant for employment for work under this Agreement because of race, color, religion, sex, age, national origin, or disability and shall take affirmative steps to ensure that applicants are employed and employees are treated during employment without regard to race, color, religion, sex, age, national origin, or disability. This provision shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. SUPPLIER, moreover, shall comply with all the requirements as imposed by the Americans with Disability Act, the regulations of the Federal government issued thereunder, and any and all requirements of Federal or State law related thereto. If SUPPLIER or an affiliate is placed on a discriminatory vendor list, such action may result in termination by CITY. SUPPLIER shall certify, upon request by CITY, that it is qualified to submit a bid under Section 287.134, Discrimination, (2) (c), Florida Statutes.

B. Drug Free Workplace. SUPPLIER shall certify, upon request by CITY, that SUPPLIER maintains a drug free workplace policy in accordance with Section 287.0878, Florida Statutes. Failure to submit this certification may result in termination.

C. Immigration. CITY shall not intentionally award publicly-funded contracts to any SUPPLIER who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324a(e) Section 274A(e) of the Immigration and Nationality Act (INA)]. CITY shall consider the employment by SUPPLIER of unauthorized aliens, a violation of Section 274A (e) of the INA.

D. Conflict of Interest.

- i. SUPPLIER hereby certifies that no undisclosed conflict of interest exists with respect to the Agreement, including, but not limited to, any conflicts that may be due to representation of other clients, customers or vendees, other contractual relationships of SUPPLIER, or any interest in property that SUPPLIER may have.
- ii. SUPPLIER shall not engage in any action that would create a conflict of interest for any CITY employee or other person during the course of performance of, or otherwise related to, this Agreement or which would violate or cause others to violate the provisions of Part III, Chapter 112, Florida Statutes, relating to ethics in government.
- iii. SUPPLIER further certifies that any conflict of interest that arises during the term of this Agreement shall be immediately disclosed in writing to CITY.
- iv. Violation of this Section shall be considered as justification for immediate termination of this Agreement.

12. CONTRACT DOCUMENTS. The RFQ and all submissions prepared by SUPPLIER in response to the RFQ are incorporated herein by reference to the extent not inconsistent with the terms and conditions as set forth herein. Each Exhibit referred to and attached to this Agreement is an essential part of this Agreement. The Exhibits and any amendments or revisions thereto, even if not physically attached hereto, shall be treated as if they are part of this Agreement.

13. ENFORCEABILITY. If any provision of this Agreement shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. The failure of either party to enforce any provision of this Agreement shall not be construed as a waiver or limitation of that party's right to subsequently enforce and compel strict compliance with every provision of this Agreement. The waiver of a breach of any term or condition of this Agreement or Purchase Order hereunder shall not be deemed to constitute the waiver of any other breach of the same or any other term or condition hereunder. In addition, neither CITY'S review, approval or acceptance of, nor payment for, any Goods provided hereunder shall be construed to operate as a waiver of any rights under this Agreement or the Purchase Order.

14. ENTIRE AGREEMENT. This Agreement shall constitute the entire understanding of the Parties and shall not be changed, amended, altered or modified except in writing and signed by authorized representatives of the Parties with the same formality and equal dignity herewith. All prior agreements, whether written or oral between the Parties

relating to the subject matter hereof are superseded by this Agreement and are of no further force or effect. Accordingly, it is agreed that no deviation from the terms of this Agreement shall be predicated upon any prior representations or agreements, whether oral or written. No term included in any invoice, estimate, confirmation, acceptance or any other similar document in connection with this Agreement or a Work Order hereunder shall be effective unless expressly stated otherwise in a writing signed by authorized representatives of the Parties with the same formality and equal dignity herewith. Any amendments to this Agreement must be in writing signed by both Parties. In the event of a conflict between this Agreement and a Work Order or any other writing, this Agreement controls over such inconsistent or additional terms.

15. E-VERIFY REGISTRATION AND USE

A. Pursuant to section 448.095, Florida Statutes, beginning January 1, 2021, SUPPLIER shall register with and use the U.S. Department of Homeland Security's E-Verify system, <https://e-verify.uscis.gov/emp>, to verify the work authorization status of all SUPPLIER employees hired on and after January 1, 2021.

B. Subcontractors

- i. SUPPLIER shall also require all subcontractors performing work under this Agreement to use the E-Verify system for any employees it may hire during the term of this Agreement.
 - ii. SUPPLIER shall obtain from all such subcontractors an affidavit stating the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, as defined in section 448.095, Florida Statutes.
 - iii. SUPPLIER shall maintain a copy of all subcontractor affidavits for the duration of this Agreement and provide it to CITY upon request.
- C.** SUPPLIER must provide evidence of compliance with section 448.095, Florida Statutes. Evidence shall consist of an affidavit from SUPPLIER stating all employees hired on and after January 1, 2021 have had their work authorization status verified through the E-Verify system and a copy of their proof of registration in the E-Verify system.
- D.** Failure to comply with this provision is a material breach of this Agreement, and shall result in the immediate termination of this Agreement without penalty to CITY. SUPPLIER shall be liable for all costs incurred by CITY to secure a replacement agreement, including but not limited to, any increased costs for the same services, any costs due to delay, and rebidding costs, if applicable.

16. EXCLUSIVITY. The Parties agree that CITY hereunder is not guaranteeing that any minimum amount of Services will be ordered from SUPPLIER under this Agreement. The relationship between SUPPLIER and CITY is not one of exclusivity. Without limiting the foregoing, SUPPLIER agrees that CITY has the right to benchmark, whether formally or informally, any services offered by SUPPLIER or any terms of this Agreement or any Work Order and to competitively bid any project it may have.

17. INDEPENDENT CONTRACTOR. The relationship of the Parties established by this Agreement and all Work Orders is that of independent contractors. It is agreed that nothing herein contained is intended or should be construed as in any manner creating or establishing a relationship of co-partners between the Parties, or as making the SUPPLIER, (including its officers, employees, and agents), the agent, representative, or employee of CITY for any purpose, or in any manner, whatsoever. Persons employed by SUPPLIER in the performance of Services and functions pursuant to this Agreement shall have no claim to pension, workers' compensation, unemployment compensation, civil service or other employee rights or privileges granted to CITY'S officers and employees either by operation of law or by CITY.

18. INTERPRETATION. This Agreement is the result of bona fide arms length negotiations between CITY and SUPPLIER and all Parties have contributed substantially and materially to the preparation of the Agreement. Accordingly, this Agreement shall not be construed or interpreted more strictly against any one party than against any other party.

19. NOTICES. Whenever either party desires to give notice to the other, it must be given by written notice, sent by registered or certified United States mail, with return receipt requested, addressed to the party for whom it is intended at the place last specified and the place for giving of notice shall remain such until it shall have been changed by written notice in compliance with the provisions of this Section. For the present, the Parties designate the following as the respective places for giving of notice:

FOR CITY:
The City Manager
City of Palm Coast
160 Lake Avenue
Palm Coast, Florida 32164

FOR SUPPLIER:
Donald Brown, PE
DRMP, INC.
941 Lake Baldwin Lane
Orlando, Florida 32814

20. ORDER OF PRECEDENCE. In the event of a conflict between the terms and conditions of this Agreement and any related exhibits, attachments, proposals, or Work Orders, the terms of this Agreement shall take precedence and control over those of the exhibit, attachment, proposal, or Work Order unless otherwise agreed to in writing by all Parties. In the event of a conflict between the terms and conditions of a Work Order and any related exhibits, attachments, or proposals, the terms of the Work Order shall take precedence and control over those of the exhibit, attachment, or proposal thereto unless otherwise agreed to in writing by all Parties.

21. PUBLIC RECORDS LAW.

A. The Parties specifically acknowledge that this Agreement is subject to the laws of the State of Florida, including without limitation, Chapter 119, Florida Statutes, which generally make public all records or other writings made or received by the Parties. If SUPPLIER is either a "contractor" as defined in Section 119.0701(1)(a), Florida Statutes, or an "agency" as defined in Section 119.011(2), Florida Statutes, SUPPLIER shall:

- i. Keep and maintain all public records required by CITY to perform the Services herein; and
- ii. Upon request from CITY'S custodian of public records, provide CITY with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, F.S. or as otherwise provided by law; and
- iii. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Agreement Term and following completion of the Agreement if SUPPLIER does not transfer the records to CITY; and
- iv. Upon completion of the Agreement, transfer, at no cost, to CITY all public records in possession of SUPPLIER or keep and maintain public records required by CITY to perform the Services herein. If SUPPLIER transfers all public records to CITY upon completion of the Agreement, SUPPLIER shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If SUPPLIER keeps and maintains public records upon completion of the Agreement, SUPPLIER shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to CITY, upon request from CITY'S custodian of public records, in a format compatible with the information technology systems of CITY.

B. All requests to inspect or copy public records relating to the Agreement shall be made directly to CITY. Notwithstanding any other provision of this Agreement to the contrary, failure to comply with the requirements of this paragraph shall result in the immediate termination of the Agreement, without penalty to CITY. A contractor who fails to provide the public records to CITY within a reasonable time may be subject to penalties pursuant to Section 119.10, Florida Statutes. Further, SUPPLIER shall fully indemnify and hold harmless CITY, its officers, agents and employees from any liability and/or damages, including attorney's fees through any appeals, resulting from SUPPLIER'S failure to comply with these requirements.

c. IF THE SUPPLIER HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE SUPPLIER'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CITY CLERKS OFFICE, AT 386-986-3713, CityClerk@palmcoastgov.com, 160 LAKE AVENUE, PALM COAST, FLORIDA 32164.

22. SEVERABILITY. If any term, provision or condition contained in this Agreement shall, to any extent, be held invalid or unenforceable, the remainder of this Agreement, or the application of such term, provision or condition to persons or circumstances other than those in respect of which it is invalid or unenforceable, shall not be affected thereby, and each term, provision, and condition of this Agreement shall be valid and enforceable to the fullest extent permitted by law when consistent with equity and the public interest.

23. SUBCONTRACTORS. In the event that SUPPLIER, during the course of this Agreement, requires the Services of any subcontractors or other professional associates in connection with performance of this Agreement or any Work

Order, SUPPLIER must first secure CITY'S prior express written approval. Any subcontract shall be in writing and shall incorporate this Agreement and require the subcontractors to assume performance of SUPPLIER'S duties commensurately with SUPPLIER'S duties to CITY under this Agreement, it being understood that nothing herein shall in any way relieve SUPPLIER from any of its duties under this Agreement or any Work Order hereunder. SUPPLIER shall remain fully responsible for the performance of subcontractors or other professional associates. SUPPLIER shall provide CITY with executed copies of all subcontracts.

24. WAIVER. The failure of CITY to insist in any instance upon the strict performance of any provision of this Agreement, or to exercise any right or privilege granted to CITY hereunder, shall not constitute or be construed as a waiver of any such provision or right and the same shall continue in force.

IN WITNESS WHEREOF, the Parties hereto have made and executed this Agreement on the date below written for execution by the CITY.

CITY OF PALM COAST

DRMP, INC.

By: _____

By: _____
(Authorized Signatory)

Print: Denise Bevan

Print Name: _____

Title: City Manager

Title: _____

Date: _____

Date: _____

- Exhibits
- A - Work Order Template Form
- B - Insurance Requirements

Exhibit A - Work Order Template Form



Work Order # _____ PO# _____ Project Mgr. _____
name

SUPPLIER NAME: _____

Contract Project Title _____ Work Order Project Title _____

Contract Bid # _____ Work Order Bid # _____

Contract Resolution # _____ Work Order Resolution # _____

TOTAL COST: \$ _____

1. **INCORPORATION BY REFERENCE** The provisions of the Contract referenced above dated _____ ("Agreement") are hereby expressly incorporated by reference into and made a part of this Work Order.
2. **METHOD OF COMPENSATION** (chose one): _____ FIXED FEE/LUMP SUM _____ UNIT BASED/ NOT TO EXCEED*
3. **PRICING** (chose one): _____ ATTACHED _____ INCLUDED IN CONTRACT
4. **SCHEDULE** (chose one): _____ AS NEEDED BASIS _____ SHALL BE COMPLETED BY - ____/____/20____
5. **DESCRIPTION OF SERVICES** (chose one): _____ ATTACHED _____ INCLUDED IN CONTRACT
6. **OTHER ATTACHMENTS TO THIS WORK ORDER:** _____ No _____ Yes If yes, identify: _____
7. **MISCELLANEOUS:** _____
8. **TIME IS OF THE ESSENCE:** The obligation of Supplier to perform services shall commence upon execution of this Work Order and shall be completed as set forth above. Time is of the essence. Failure to meet the completion date shall be a material default and may be grounds for termination of this Work order and the Agreement.
9. **CONFLICT.** In the event of a conflict between the terms and conditions of the Agreement and this Work Order, the terms of the Agreement shall govern unless otherwise agreed to in writing by all parties. In the event of a conflict between the terms and conditions of this Work Order and any attachments, the terms of this Work Order shall govern unless otherwise agreed to in writing by all parties.

WITNESS WHEREOF, the parties hereto have made and executed this Work Order on this _____ day of _____, 20____, for the purposes stated herein.

SUPPLIER APPROVAL

CITY APPROVAL

By: _____

By: _____

Print: _____

Print Name: _____

Title: _____

Title: Assistant City Manager or Designee

Date: _____

Date: _____

BPO Use Only:

Req # _____

Requisition Creator _____
name

Select one: _____ New PO _____ Increase to Existing/ P.O. Adjustment

EXHIBIT B
Insurance Requirements

1. GENERAL.

- 1.1. Prior to performance under this Agreement, SUPPLIER shall furnish CITY with a Certificate of Insurance signed by an authorized representative of the insurer evidencing the insurance required in Section 3 below. CITY, its officials, officers, and employees shall be named additional insured under the Commercial General Liability policy using CG 1185 or its equivalent, as well as additional insured under the business auto policy. Except as otherwise specified in the Agreement, the insurance shall become effective prior to the commencement of work by SUPPLIER and shall be maintained in force until the Agreement completion date. The insurance provided by SUPPLIER shall apply on a primary basis and any other insurance or self-insurance maintained by CITY or CITY'S officials, officers, or employees shall be in excess of and not contributing with the insurance provided by or on behalf of SUPPLIER. The Workers' Compensation Policy and the Commercial General Liability required by this Agreement shall be provided on an occurrence rather than a claims-made basis. The Certificate of Insurance shall provide that CITY shall be given not less than thirty (30) days written notice prior to the modification, cancellation or restriction of coverage.
- 1.2. Until such time as the insurance is no longer required to be maintained by SUPPLIER, SUPPLIER shall provide CITY with a renewal or replacement Certificate of Insurance not less than thirty (30) days before expiration or replacement of the insurance for which a previous certificate has been provided. In addition to providing the Certificate of Insurance, if required by CITY, SUPPLIER shall, within thirty (30) days after receipt of the request, provide CITY with a certified copy of each of the policies of insurance providing the coverage required.
- 1.3. SUPPLIER waives all rights against CITY for recovery of damages to the extent covered by Commercial General Liability, Commercial Umbrella Liability, Business Auto Liability or Workers Compensation and Employers Liability insurance maintained per requirements herein.
- 1.4. Neither approval by CITY nor failure to disapprove the insurance furnished by a subcontractor or another supplier shall relieve SUPPLIER of SUPPLIER'S full responsibility for performance of any obligation including SUPPLIER indemnification of CITY under this Agreement.
- 1.5. It shall also be the responsibility of SUPPLIER to ensure that all of its subcontractors performing Services under this Agreement are in compliance with the insurance requirements of this Agreement as defined above.
- 1.6. Compliance with the insurance requirements set forth herein shall not relieve SUPPLIER, its employees or agents of liability from any indemnification obligation under this Agreement.
- 1.7. Nothing herein shall be construed as a waiver of sovereign immunity by CITY beyond the limits set forth in Section 768.28, Florida Statutes.

2. INSURANCE COMPANY REQUIREMENTS.

- 2.1. SUPPLIER shall obtain or possess and continuously maintain the coverage from a company or companies, with a Best's Rating of "A" or better and a Financial Size Category of "VII" or better according to A.M. Best CITY. Companies issuing policies other than Workers' Compensation, must be authorized to conduct business in the State of Florida and prove same by maintaining Certificates of Authority issued to the companies by the Department of Insurance of the State of Florida. Policies for Workers' Compensation may be issued by companies authorized as a group self-insurer by Section 440.57, Florida Statutes.
- 2.2. If, during the period which an insurance company is providing the insurance coverage required by this Agreement, an insurance company shall: 1) lose its Certificate of Authority, 2) no longer comply with Section 440.57, Florida Statutes, or 3) fail to maintain the requisite Best's Rating and Financial Size Category, SUPPLIER shall, as soon as SUPPLIER has knowledge of any such circumstance, immediately notify CITY and immediately replace the insurance coverage provided by the insurance company with a different insurance company meeting the requirements of this Agreement. Until such time as SUPPLIER has replaced the unacceptable insurer with an insurer acceptable to CITY, SUPPLIER shall be deemed to be in default of this Agreement.

3. **COVERAGE.** Without limiting any of the other obligations or liability of SUPPLIER, SUPPLIER shall, at SUPPLIER'S sole expense, procure, maintain and keep in force amounts and types of insurance conforming to the minimum

requirements set forth in this subsection. The amounts and types of insurance shall conform to the following minimum requirements:

3.1. Workers' Compensation/Employer's Liability.

A. Workers Compensation Coverage SUPPLIER'S insurance shall cover SUPPLIER for liability which would be covered by the latest edition of the standard Workers' Compensation Policy, as filed for use in Florida by the National Council on Compensation Insurance, without restrictive endorsements. SUPPLIER will also be responsible for procuring proper proof of coverage from its subcontractors of every tier for liability which is a result of a Workers' Compensation injury to the subcontractor's employees. The minimum required limits to be provided by both SUPPLIER and its subcontractors is outlined in subsection (b) below. In addition to coverage from the Florida Workers' Compensation Act, where appropriate, coverage is to be included for the Federal Employers' Liability Act and any other applicable Federal or State law. Subject to the restrictions of coverage found in the standard Workers' Compensation Policy, there shall be no maximum limit on the amount of coverage for liability imposed by the Florida Workers' Compensation Act, the United States Longshoremen's and Harbor Workers' Compensation Act, or any other coverage customarily insured under Part One of the standard Workers' Compensation Policy.

B. Employers Liability Coverage
\$500,000.00 (Each Accident)
\$500,000.00 (Disease-Each Employee)
\$500,000.00 (Disease-Policy Limit)

3.2. Commercial General Liability.

Using the latest edition of the standard Commercial General Liability Coverage Form (ISO Form CG 00 01), as filed for use in the State of Florida by the Insurance Services Office, without the attachment of restrictive endorsements other than the elimination of Coverage C, Medical Payment and the elimination of coverage for Fire Damage Legal Liability:

	LIMITS
General Aggregate (per project) greater)	\$2,000,000.00 or 2x Per Occurrence (whichever is greater)
Personal & Advertising Injury Limit	\$1,000,000.00
Each Occurrence Limit	\$1,000,000.00

The CGL limits may be satisfied by a combination of primary CGL and Umbrella/Excess coverage. When Umbrella/Excess is provided it shall follow form.

3.3. Business Auto Policy.

SUPPLIER'S insurance shall cover SUPPLIER for those sources of liability which would be covered by Part IV of the latest edition of the standard Business Auto Policy (ISO Form CA 00 01), as filed for use in the State of Florida by the Insurance Services Office, without the attachment of restrictive endorsements. Coverage shall include owned, non-owned and hired autos.

The minimum limits to be maintained by SUPPLIER (inclusive of any amounts provided by an Umbrella or Excess policy) shall be per accident combined single limit for bodily injury liability and property damage liability. If the coverage is subject to an aggregate, SUPPLIER shall maintain separate aggregate limits of coverage applicable to claims arising out of or in connection with the work under this Agreement. The separate aggregate limits to be maintained by SUPPLIER shall be a minimum of three (3) times the per accident limit required and shall apply separately to each policy year or part thereof.

The minimum amount of coverage under the Business Auto Policy shall be:

	LIMITS
Each Occurrence Bodily Injury and Property Damage Liability Combined	\$1,000,000.00

3.4. Professional Liability: SUPPLIER shall provide professional liability insurance as well as errors and omission insurance in a minimum amount of \$1,000,000 CSL or its equivalent, with a combined single limit of not less than \$1,000,000, protecting SUPPLIER against claims of the City for negligence, errors, mistakes, or omissions in the performance of Services to be performed and furnished by SUPPLIER.

City of Palm Coast, Florida Agenda Item

Agenda Date: August 15, 2023

Department	CONSTRUCTION MANAGEMENT & ENGINEERING	Amount	394,229.00
Division	ENGINEERING	Account #	21097011-063000-54415
Subject: RESOLUTION 2023-XX APPROVING A WORK ORDER WITH DRMP, INC., FOR ADDITIONAL DESIGN SERVICES FOR THE BELLE TERRE SAFETY IMPROVEMENT PROJECT			
Presenter: Carl Cote, Director of Stormwater & Engineering			
Attachments:			
<ul style="list-style-type: none"> 1. Presentation 2. Resolution 3. Scope 			
Background:			
Council Priority:			
C. Safe and Reliable Services			
<p>On March 24, 2016, City staff presented the Belle Terre Blvd./Pkwy. Corridor Intersection Analysis Study to the City Council. This study outlined needed improvements to the Belle Terre Blvd./Pkwy. to improve safety and operations along the corridor.</p> <p>On June 6, 2017, City Council approved a work order for DRMP, Inc., design services to incorporate improvements to eight intersections along Belle Terre Parkway.</p> <p>On March 5, 2019, City Council approved a work order with DRMP, Inc., for additional services for additional improvements needed at the intersection of Belle Terre Pkwy and East Hampton to extend the existing left turn lane, an addition of a head wall at Royal Palms Pkwy will reduce long term maintenance costs, and to be consistent with current Stormwater design standards.</p> <p>City Staff completed the Belle Terre Safety Improvement designs in 2019 which included improvements to eight intersections along Belle Terre Parkway.</p> <p>The city is in the process of receiving State Legislation funding with a Florida Department of Transportation (FDOT) grant. After further evaluation of the current plans, it was determined that a plan update to meet FDOT current standard is needed to secure the grant. This update will also include design modifications to the Whiteview Parkway and Belle Terre Parkway, and Royal Palms and Belle Terre Parkway intersections.</p> <p>Under the existing contract (RFSQ-CD-19-70) staff negotiated a scope and fee not-to-exceed \$394,229 with DRMP, Inc. City staff has determined that the cost for the plan updates and</p>			

additional design services are reasonable, fair, and consistent with these types of services for a project of this size and scope. Funds for this project have been budgeted in the FY 2023 Transportation Improvement Fund.

SOURCE OF FUNDS WORKSHEET FY 2023

Belle Terre Safety Improvement 21097011-063000-54415	\$399,182.00
Total Expended/Encumbered to Date	\$0.00
Pending Work Orders/Contracts	\$0.00
Current (WO/Contract)	<u>\$394,229.00</u>
Balance	\$4,953.00

Recommended Action:
**ADOPT RESOLUTION 2023-XX APPROVING A WORK ORDER WITH DRMP, INC., FOR
ADDITIONAL DESIGN SERVICES FOR THE BELLE TERRE SAFETY IMPROVEMENT
PROJECT**



Belle Terre Safety Improvement

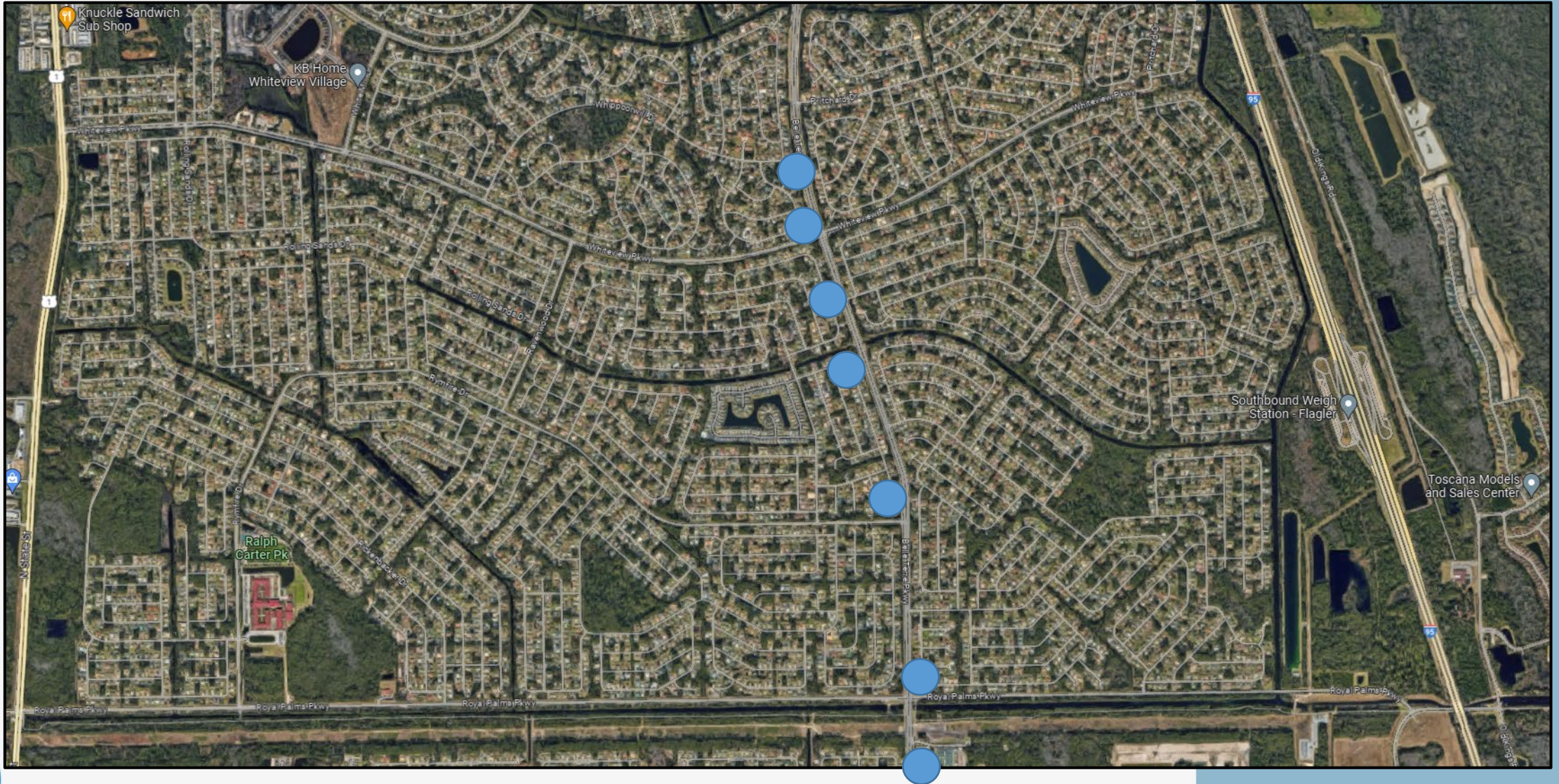
August 15, 2023

Project Description

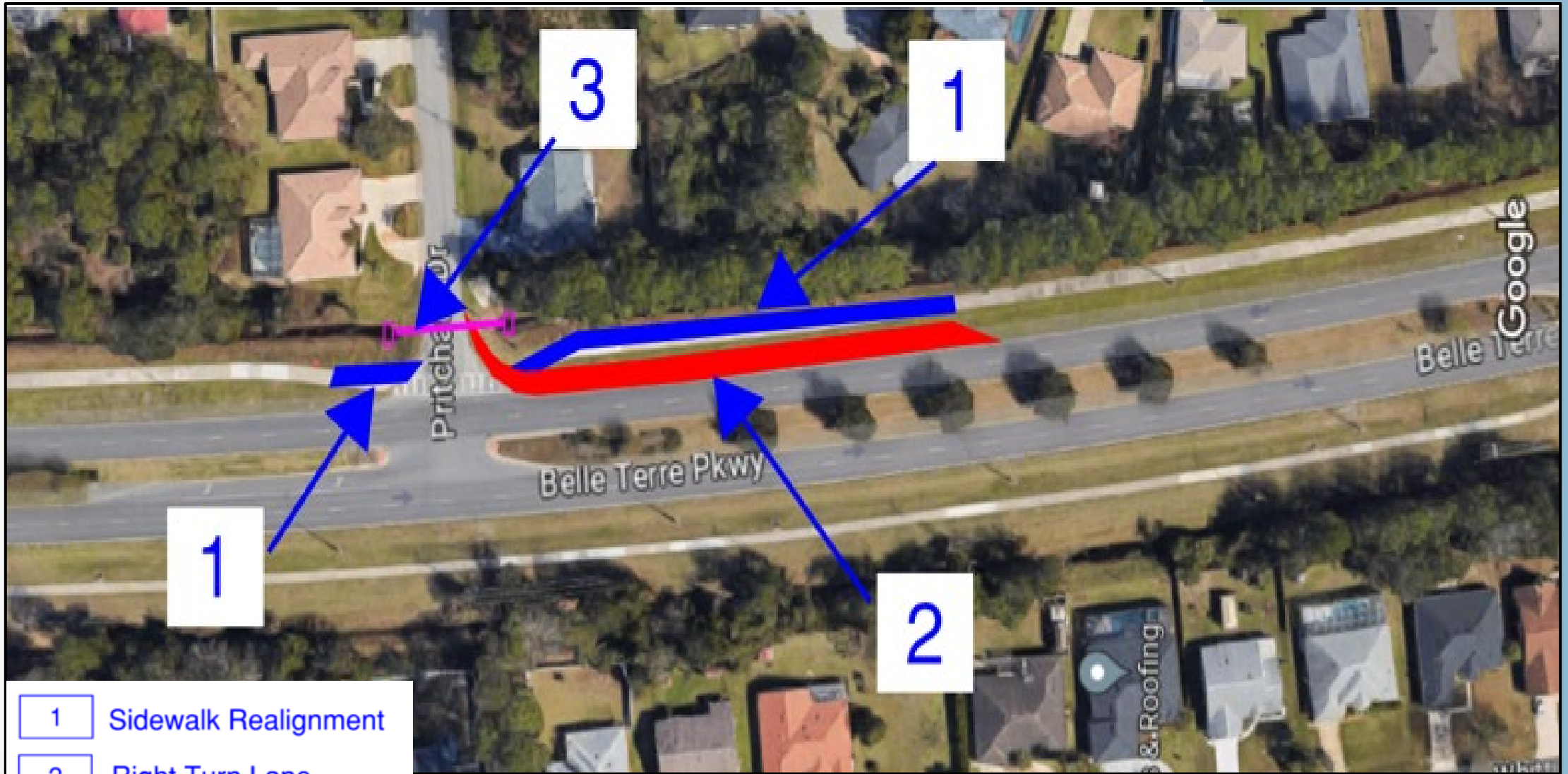
The city is in the process of receiving State Legislation monies through Florida Department of Transportation (FDOT) grants. After further evaluation of the current plans, it was determined that a plan update to meet FDOT current standard is needed to secure the grant. This update will also accommodate for Whiteview Parkway & Belle Terre Parkway and Royal Palms and Belle Terre Parkway intersection upgrades.



Intersection Improvements



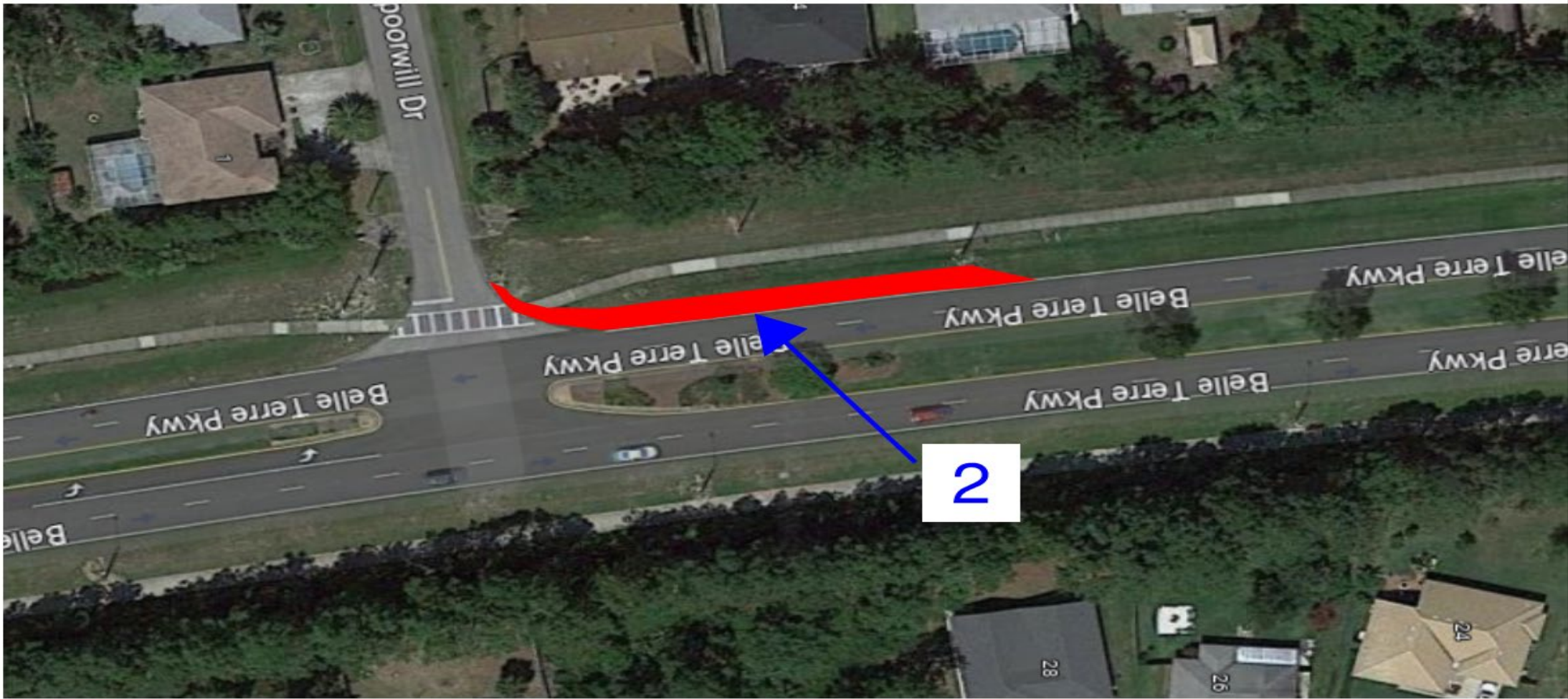
Belle Terre Pkwy and Pritchard Dr



- 1 Sidewalk Realignment
- 2 Right Turn Lane
- 3 Drainage Improvement



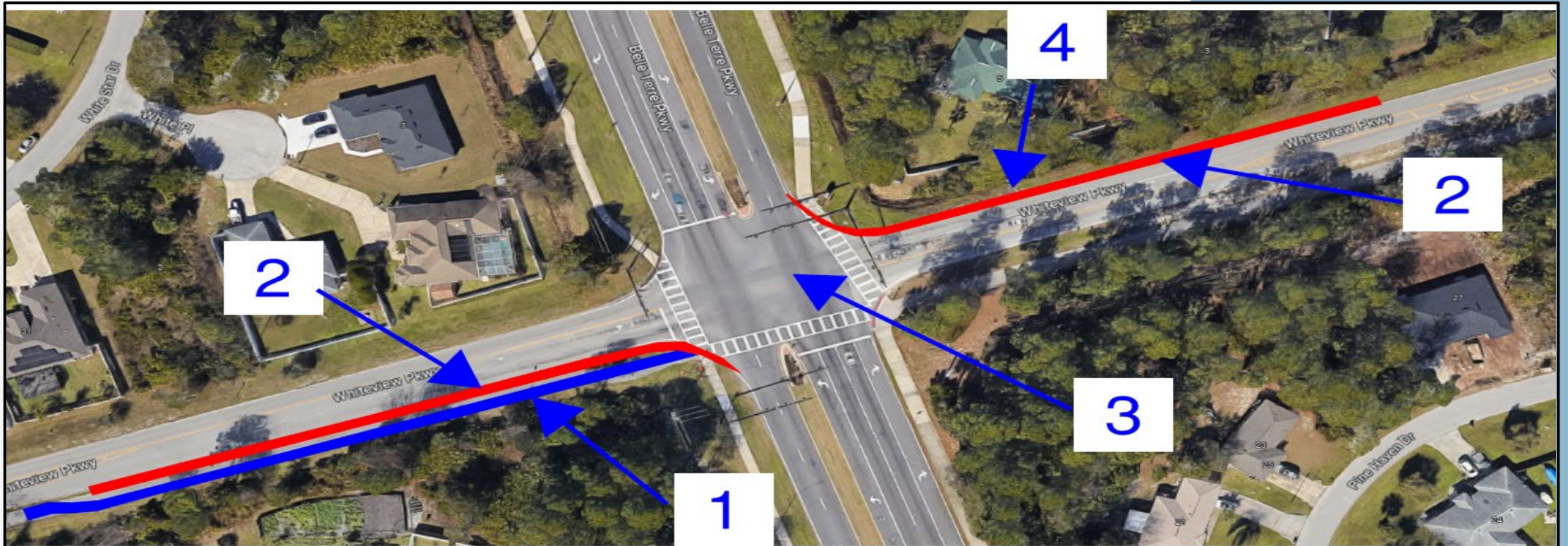
Belle Terre Pkwy and Whippoorwill Dr



2 Right Turn Lane



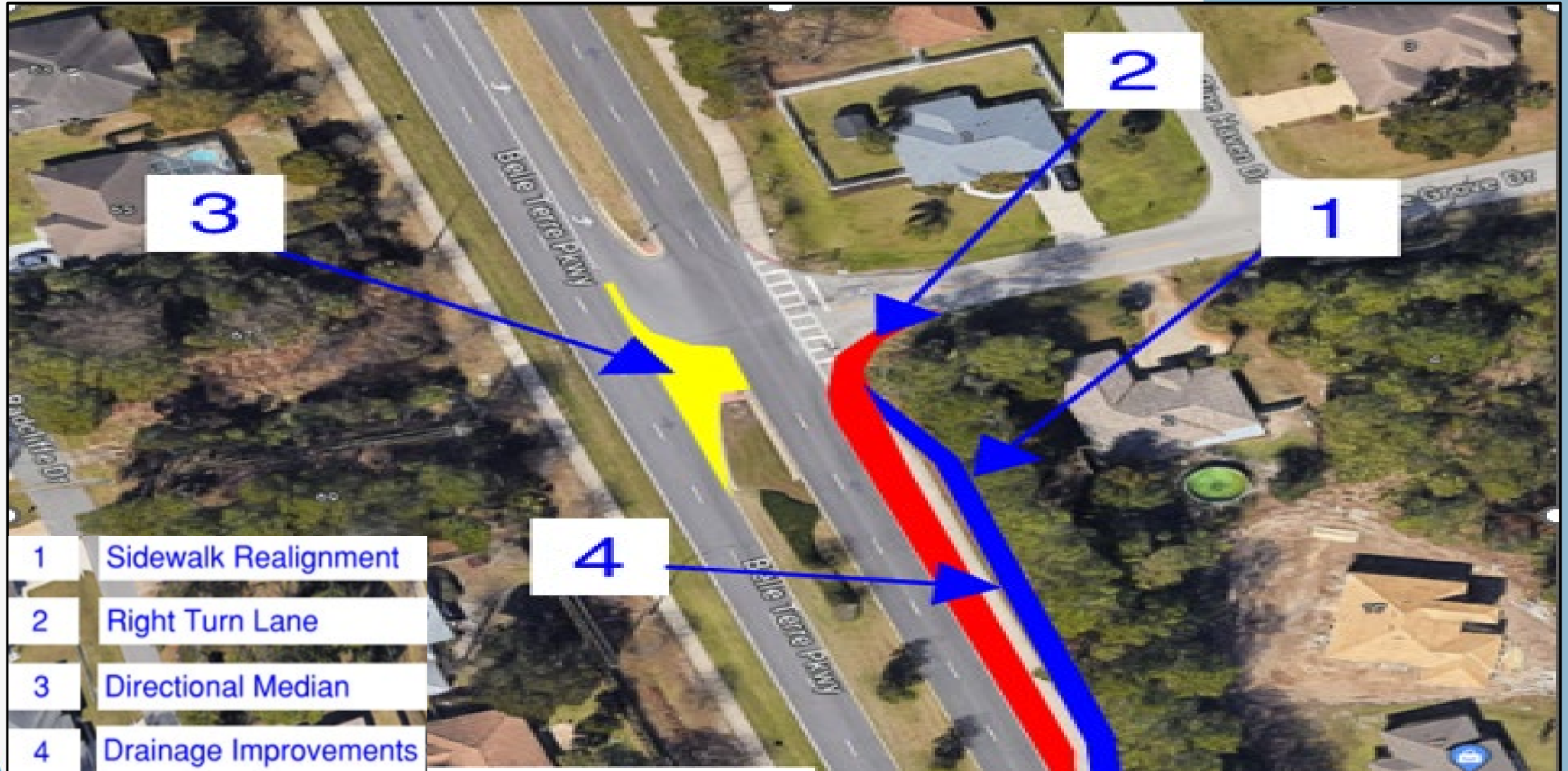
Belle Terre Pkwy and Whiteview Pkwy



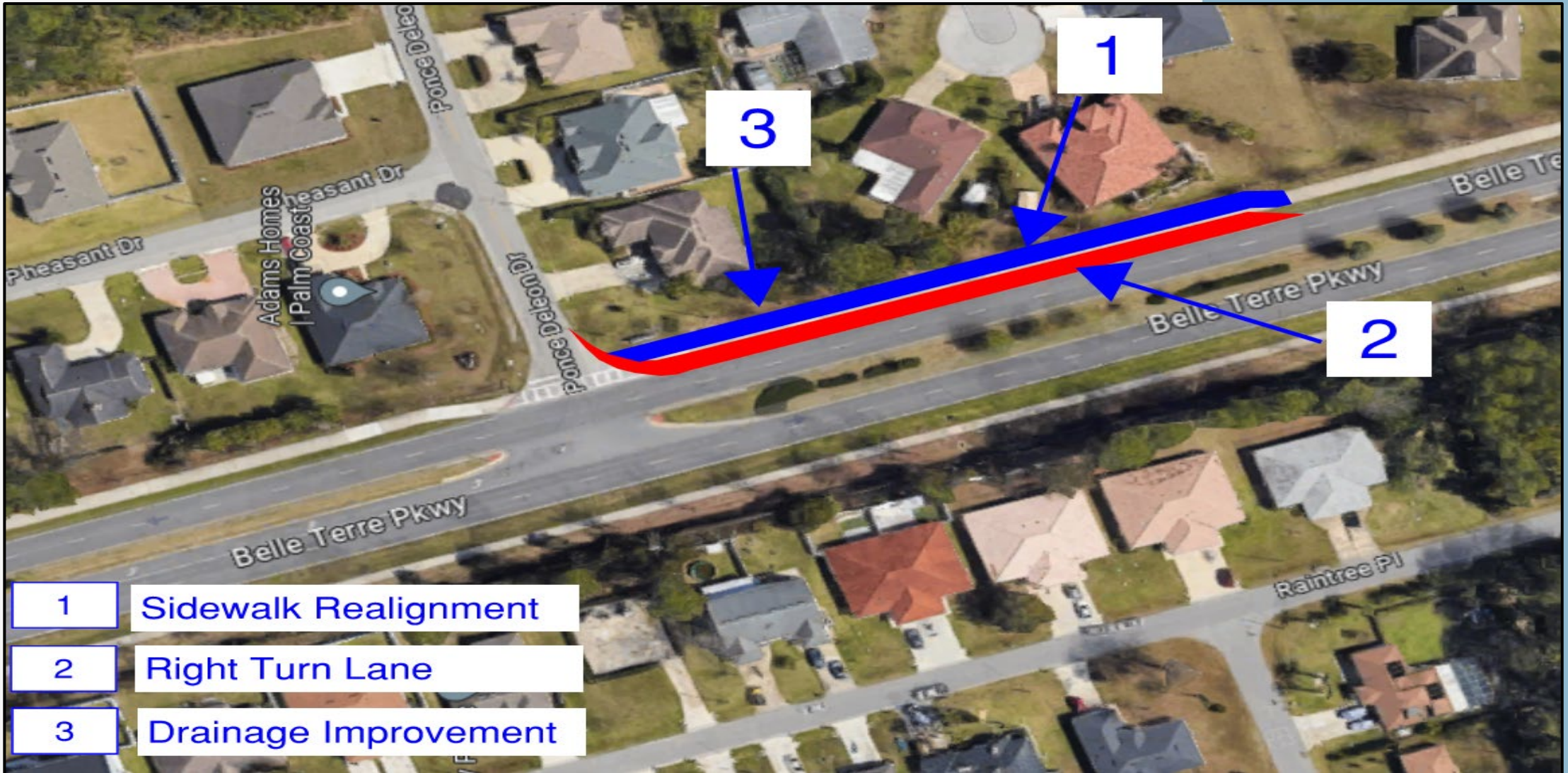
- 1 Sidewalk Realignment
- 2 Right Turn Lane
- 3 Signal Improvement
- 4 Drainage Improvement



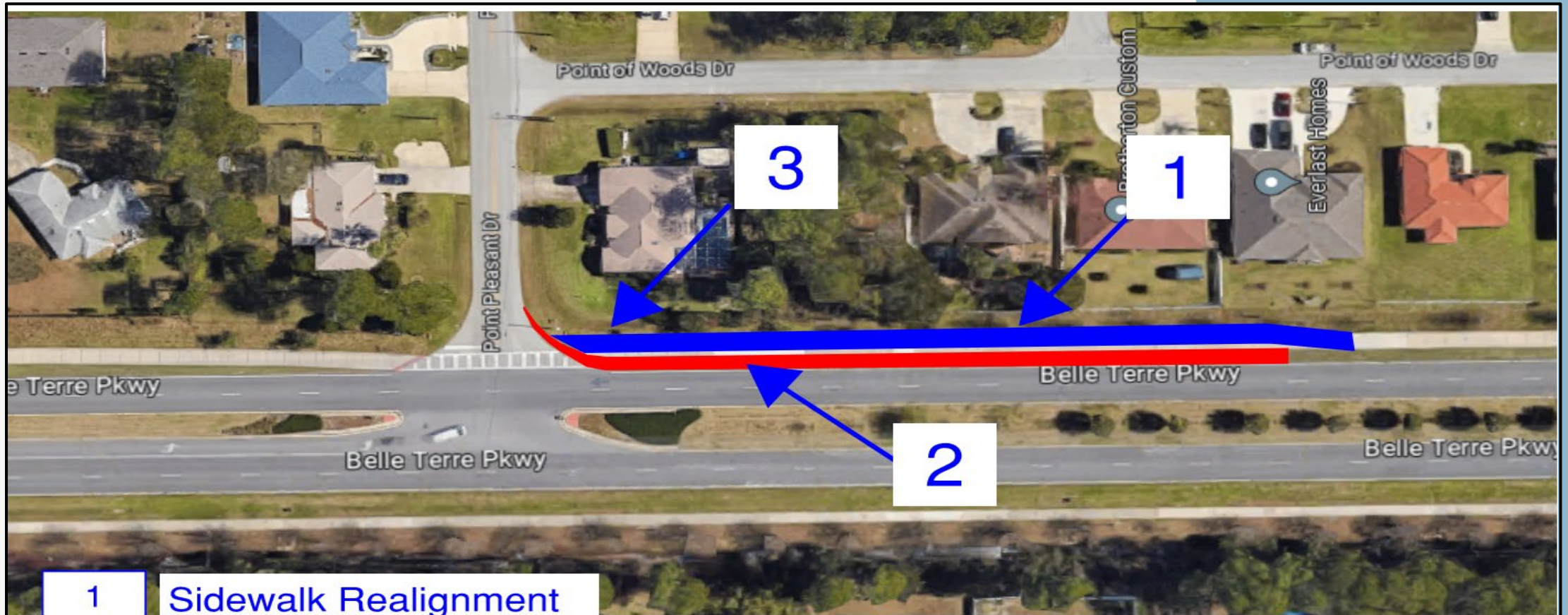
Belle Terre Pkwy and Pine Grove Dr



Belle Terre Pkwy and Ponce Deleon Dr



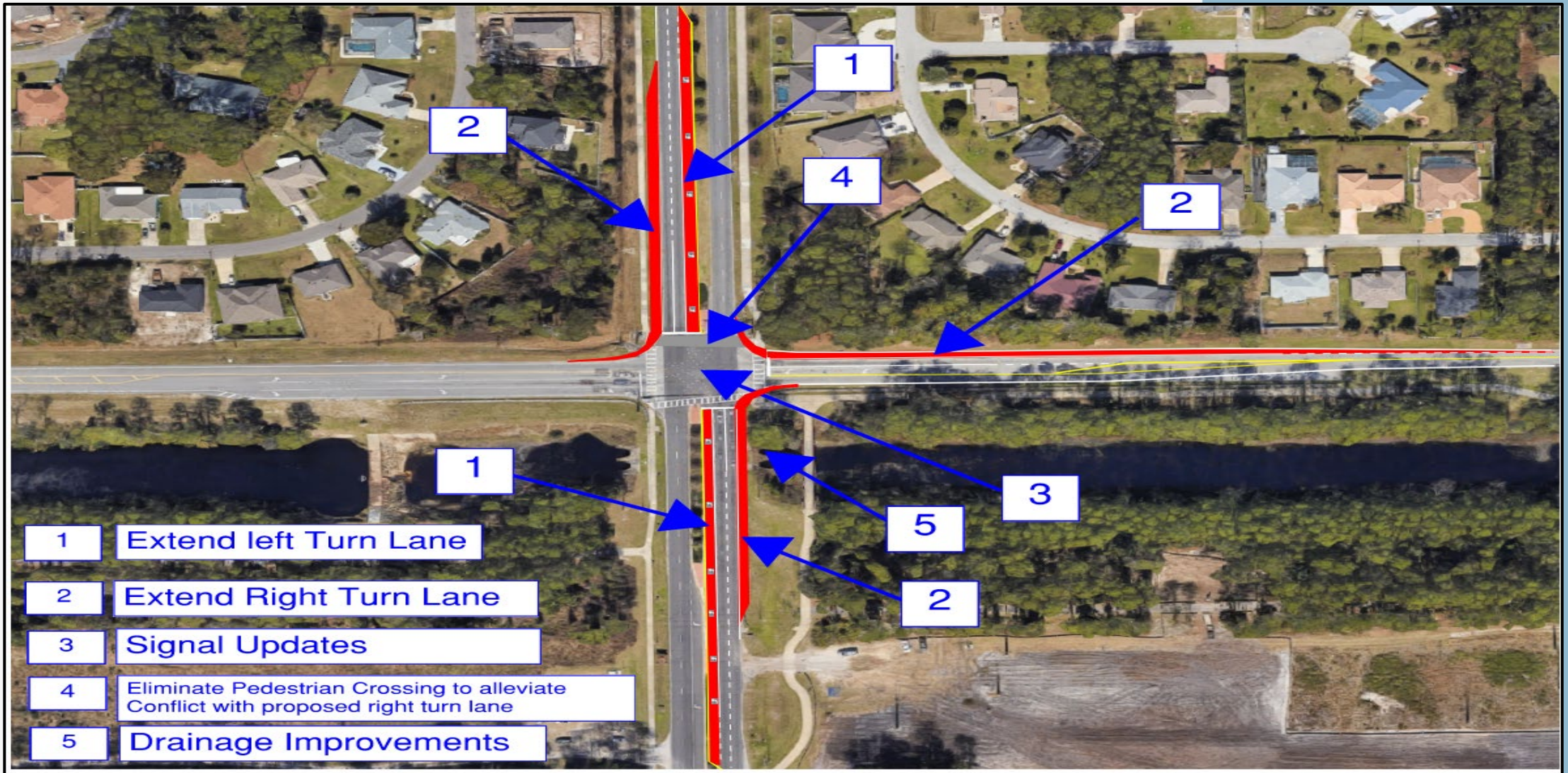
Belle Terre Pkwy and Point Pleasant Dr



- 1 Sidewalk Realignment
- 2 Right Turn Lane
- 3 Drainage Improvement



Belle Terre Pkwy and Royal Palms Pkwy



Council Action

- Adopt Resolution 2023-xx approving Work order with DRMP for additional Design services for Belle Terre Safety Improvement Project
- Scope and Fee: \$351,929.00



Questions?



RESOLUTION 2023 - ____
BELLE TERRE SAFETY IMPROVEMENTS

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, APPROVING A WORK ORDER WITH DRMP INC., FOR ENGINEERING SERVICES FOR THE BELLE TERRE SAFETY IMPROVEMENT PROJECT: PROVIDING AUTHORIZATION TO EXECUTE; PROVIDING FOR FUTURE AMENDMENTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; PROVIDING FOR IMPLEMENTING ACTIONS; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, DRMP, Inc., desires to provide engineering services for the Belle Terre Safety Improvement Project; and

WHEREAS, the City Council of the City of Palm Coast desires to approve the above-mentioned services for the City of Palm Coast.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, AS FOLLOWS:

SECTION 1. LEGISLATIVE AND ADMINISTRATIVE FINDINGS. The above recitals (whereas clauses) are hereby adopted as the legislative and administrative findings of the City Council.

SECTION 2. APPROVAL OF WORK ORDER. The City Council of the City of Palm Coast hereby approves the terms and conditions of a work order with DMRP, Inc., for engineering services for the Belle Terre Safety Improvement Project as attached hereto and incorporated herein by references as Exhibit "A."

SECTION 3. AUTHORIZATION TO EXECUTE. The City Manager, or designee, is hereby authorized to execute the necessary documents.

SECTION 4. FUTURE AMENDMENTS. The City Manager, or designee is hereby authorized to approve any future amendments to the Master Services Agreement in accordance with the limits as set forth in Chapter 2, Division 3 Purchases and Contractual Services relating to the purchase approved by this Resolution.

SECTION 5. SEVERABILITY. If any section or portion of a section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

SECTION 6. CONFLICTS. All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

SECTION 7. IMPLEMENTING ACTIONS. The City Manager is hereby authorized to take any actions necessary to implement the action taken in this Resolution.

SECTION 8. EFFECTIVE DATE. This Resolution shall take effect immediately upon adoption by the City Council.

DULY PASSED AND ADOPTED by the City Council of the City of Palm Coast, Florida, on this 15th day of August 2023.

ATTEST:

CITY OF PALM COAST

KALEY COOK, CITY CLERK

DAVID ALFIN, MAYOR

APPROVED AS TO FORM AND LEGALITY:

NEYSA BORKERT, CITY ATTORNEY

Attachments: Exhibit A - DRMP, Inc., (WO) Proposal

Scope Proposal of Work

Plans update for Belle Terre Parkway

City Project Number: TBD

DRMP, INC, will provide final construction plans and documents for 6 Intersections along the Belle Terre Corridor Parkway suitable for city construction letting to be released under state-funded projects.

The following intersections are included in this scope:

- Belle Terre Pkwy @ Royal Palms
- Belle Terre Pkwy @ Pine Grove/Whiteview
- Belle Terre Pkwy @ Point Pleasant
- Belle Terre Pkwy @ Ponce Deleon
- Belle Terre Pkwy @ Pritchard
- Belle Terre Pkwy @ Whippoorwill

DRMP, Inc. submitted final plans in 2020; the existing plans will be revised as follows:

General Tasks and Project Management:

- ❖ Combine the 6 individual plan sets into one Construction plan set. TTCP is included within the Engineering Task. TTCP Phasing will be reviewed and revised to combine construction sequencing into one contractor plan set.
- ❖ Update the Contract Plan to conform to FDOT current standards. FY23-24 and Specifications
- ❖ Provide a Summary of Quantities sheet identifying individual quantities and the grand total for that pay item for the entire project. Each intersection will have a summary of pay items for that intersection (exclude general items like mobilization and TTCP).
- ❖ Provide an engineer's construction cost estimate, construction days and cost estimate for CEI work. The task for calculating the quantities for each Intersection is included within the Intersection Engineering Fee.
- ❖ Coordination and meetings with the City for submittals and design elements of
- ❖ Includes biweekly Progress Meetings for all project locations
- ❖ Include Contract Maintenance and Project Documentation for all projects
- ❖ Engineers field review for all project locations
- ❖ Three FDOT phase reviews. (90 and Final)
- ❖ General Utility Coordination: add any new utilities added such as fiber and electrical lighting power.
- ❖ Review and revise Temporary Traffic control for all intersections to be constructed under one contract plan set. The city will provide Lane Closure times. (DRMP will prepare a preliminary TTCP and meet in person with City staff to collaborate on a concept TTCP.
- ❖ Review and revise TTCP Phasing, pedestrian detours and construction activities for continuity between intersections. Additional details are provided under engineering for each intersection.
- ❖ City will provide to DRMP the City's Sign detail. The City's Sign Detail will be designed by others and referenced in DRMP's construction plans and be constructed in conjunction with the roadway improvements.

- ❖ Irrigation and landscaping shall be designed around 7 typical City signs (by Matthews Design Group). Irrigation designs shall be provided by the City. A typical landscaping plan shall be presented for a pre-landscaping meeting to discuss tree types and locations.

- ❖ Remove and replace the City sign at the following locations:

- 2 signs at Royal Palms
- 4 signs at Whiteview Parkway
- 1 sign at Easthampton –

- ❖ Remove the City sign at:

- 1 sign at Ponce Deleon

- ❖ **General Tasks and Project Management FEE estimate: \$ 72,051.00**

- ❖ **Landscape for City Signs (Matthews Design Group) \$ 2,145.00**

Engineering:

Belle Terre Pkwy @ Royal Palms

Roadway/Drainage:

- ❖ Confirm that all construction elements fit in the existing ROW, or City owned property or existing 5' easement on residential lot perimeters. (City just acquired land on SE corner of Whiteview Intersection)
- ❖ Extend the northbound left turn lane from 405 feet to 575 feet
- ❖ Extend the southbound left turn lane from 405 feet to 700 feet
- ❖ Extend the westbound right turn lane to a total of 600 feet, adjust the drainage structure
- ❖ Provide red stamp concrete on at median nose. City to provide details.
- ❖ Revise the curb ramp to eliminate the Belle Terre Parkway pedestrian crossing on the intersection's north side.
- ❖ Review proposed milling and resurfacing limits at the Intersection. Retain new asphalt surfaces that have been proposed in the original plans. (Deep mill patches will be provided for asphalt failures at the direction of the city)
- ❖ Mill and resurface the entire east leg of the intersection, Royal Palms from Belle Terre Pkwy to 50 feet east of the taper point of the right turn lanes.
- ❖ City will provide water, reclaim, and sewer utility maps for the project limits. Utility maps will be in GIS format. The utility background layer shall be displayed on plan views. Utilities will be re-verified.
- ❖ Revise Pavement Design: Substitute Optional Base Group 10 for Optional Base Group 9; Substitute FC-9.5 for FC-12.5 at 1.5-inch depth.
- ❖ Review and Revise Temporary Traffic Control Plans for continuity between right turn lane construction at Point Pleasant and construction improvements at Royal Palms. *(to be determined as part of charrette along with any other intersection groupings or work efforts).*

Signalization:

- ❖ Eliminate pay item 660-1-600 Loop Detector Inductive, Remove – Cabinet to Remain
- ❖ Revise the Illuminated sign panel face. The city will provide details for the new City emblem.
- ❖ Add a westbound right turn arrow three-section display. Criteria:
 - ❖ Three total westbound right displays.
 - One display is a near right
 - One display can be seen from 600 feet behind the stop bar.
 - One display is on the mast arm vertical shaft.

- One display may be mounted on a standard breakaway post in the Belle Terre north leg median.
- ❖ Revise Signal Operation to include the westbound right turn arrow as an overlap of the westbound through phase and the southbound left phase
 - Provide a detection zone for the right turn arrow lane.
 - The detection for the WBRT calls to the southbound left turn phase.
- ❖ Change the eastbound left turn arrow into a protected-only left turn display.
 - ❖ Add a sign on the mast arm next to the left turn signal, LEFT ON <Green arrow symbol> ONLY.
 - ❖ This will probably require a structural evaluation/mast arm upgrade.
- ❖ Maintain the westbound left turn arrow in the 5-section head format.
- ❖ Revise the pedestrian pushbuttons to associate with the Push Button <Arrow> To Cross Pedestrian sign format. Relocate existing pedestrian detectors on existing pedestrian posts as needed to associate with the proposed sign. The city will provide design details.
- ❖ The existing vehicle detection on Belle Terre Pkwy is Iteris Vector video detection cameras. Define the project objective as adding Iteris NEXT video detection cameras for the eastbound and westbound traffic and maintaining the existing vehicle detection cameras on Belle Terre Pkwy.
- ❖ Mast arm relocation only if new utilities are found in the initial location.

Signing and Marking:

- ❖ Revise existing striping of intersection to match current striping, specifically left turn skip dashes
- ❖ Eliminate the East-west pedestrian crossing on the north side of the intersection.

Structures:

- ❖ Reevaluate mast arm to include sign *LEFT ON GREEN ARROW ONLY* for eastbound left turn arrow.
- ❖ Re-design endwall with updated program. Assumes no geometry changes to endwall.
 - ❖ **Royal Palm Engineering FEE estimate: \$59,855 .00**

Landscape: (Matthews Design Group):

- ❖ Provide landscaping modifications in medians and shoulders along Belle Terre Parkway due to proposed improvements. Include continuous landscape repairs (install trees that had died or been hit by traffic and are missing or for shrubs/planting that are dead or missing) for entire limit of construction from Royal Palms to Pritchard. No additional survey required and the city will provide type and quantity of plants needed. Landscape will extend 200' beyond the turn lane extension. (gator bags on shoulder trees, contractor to plant trees at least 30-days prior to substantial and fill gator bags until Final Completion).
- ❖ It is understood that the City will conduct a survey to locate missing trees in this corridor and will provide a table with Tree Type and approximate location (field verify exact location during construction). DRMP is to include this table in plans. No additional survey is needed and the city will provide type and quantity of plants needed.
- ❖ Coordination with the City for landscaping elements
- ❖ Contractor to redirect and restore irrigation lines in medians due to landscaping and lane widening. (Not provided by Consultant)
 - ❖ **Royal Palm Landscape FEE estimate: \$ 12,087.00**

Belle Terre Pkwy @ Pine Grove & Whiteview (see comments above that pertain to similar items)

Roadway/Drainage:

- ❖ Confirm that all construction elements fit in existing ROW.
- ❖ At Whiteview extend the northbound left turn lane from 405 feet to 640 feet.
- ❖ City will provide water, reclaim, and sewer utility maps for the project limits. Utility maps will be in AutoCAD format. The utility background layer shall be displayed on plan views. Utilities will be reverified
- ❖ Provide red stamp concrete for median nose. City to provide details.
- ❖ Review proposed milling and resurfacing limits at the Intersection. Retain new asphalt surfaces.
- ❖ Revise milling and resurfacing limits to accommodate the Whiteview Safety Project. The city will project plans for reference.
- ❖ Revise Pavement Design: Substitute Optional Base Group 10 for Optional Base Group 9; Substitute FC-9.5 for FC-12.5 at 1.5-inch depth.
- ❖ Review and revise the Temporary Traffic Control Plan.
 - ❖ Meet with the city to coordinate pedestrian detours
 - ❖ Review Temporary Traffic Control Plans for continuity between right turn lane construction at Ponce Deleon and construction improvements at Whiteview and Pine Grove.

Signalization :

- ❖ Eliminate pay item 660-1-600 Loop Detector Inductive, Remove – Cabinet to Remain
- ❖ Revise the Illuminated sign panel face. The city will provide details for the new City emblem.
- ❖ Review Existing signal heads at Whiteview. Heads have been revised to include EBLT and WBLT 5-section left turn signal heads
- ❖ Revise the pedestrian pushbuttons to associate with the Push Button <Arrow> To Cross Pedestrian sign format. Relocate existing pedestrian detectors to their existing pedestrian posts to associate with the proposed sign. The city will provide design details.
- ❖ The existing vehicle detection on Belle Terre Pkwy is Iteris Vector video detection cameras. Define the project objective as adding Iteris NEXT video detection cameras for the eastbound and westbound traffic and maintaining the existing vehicle detection cameras on Belle Terre Pkwy.
- ❖ Estimate includes time for a mast arm relocation if new utilities are found in the initial location.

Signing and Marking:

- ❖ Revised Pavement Striping to include two right turn arrow symbols. The first arrow symbol also has word ONLY.

Structures:

- ❖ Re-design 2 mast arms due to Index changes to standard mast arm variables. Also includes mast arm re-design if utility conflicts cause a mast arm to move.
 - **Pine Grove & Whiteview Engineering FEE estimate: \$34,100.00**

Landscape (Matthews Design Group):

- ❖ Provide landscaping in medians along Belle Terre Parkway within 500 ft of the intersection. Landscape will extend 200' beyond the turn lane extension.
- ❖ Coordination with the City for landscaping elements.
- ❖ Contractor to redirect and restore irrigation lines in medians due to landscaping and lane widening. (Not provided by Consultant)
 - **Pine Grove & Whiteview Landscaping FEE estimate: \$12,087.00**

Belle Terre Pkwy @ Point Pleasant

Roadway/Drainage:

- ❖ Confirm that all construction elements fit in existing ROW.
- ❖ City will provide water, reclaim, and sewer utility maps for the project limits. Utility maps will be in AutoCAD format. The utility background layer shall be displayed on plan views. Utilities will be reverified
- ❖ Revise Pavement Design: Substitute Optional Base Group 10 for Optional Base Group 9; Substitute FC-9.5 for FC-12.5 at 1.5-inch depth.
- ❖ Review and Revise Temporary Traffic Control Plans for continuity between the right turn lane construction and construction improvements at Royal Palm.

➤ **Point Pleasant Engineering FEE estimate: \$5,330.00**

Belle Terre Pkwy @ Ponce Deleon

Roadway/Drainage:

- ❖ Confirm that all construction elements fit in existing ROW.
- ❖ City will provide water, reclaim, and sewer utility maps for the project limits. Utility maps will be in AutoCAD format. The utility background layer shall be displayed on plan views. Utilities will be reverified
- ❖ Revise Pavement Design: Substitute Optional Base Group 10 for Optional Base Group 9; Substitute FC-9.5 for FC-12.5 at 1.5-inch depth.
- ❖ Review and Revise Temporary Traffic Control Plans for continuity between right turn lane construction at Ponce Deleon and construction improvements at Whiteview and Pine Grove.

➤ **Ponce Deleon Engineering FEE estimate: \$5,160.00**

Belle Terre Pkwy @ Pritchard

Roadway/Drainage:

- ❖ Confirm that all construction elements fit in existing ROW.
- ❖ City will provide water, reclaim, and sewer utility maps for the project limits. Utility maps will be in AutoCAD format. The utility background layer shall be displayed on plan views. Utilities will be reverified
- ❖ Review and Revise milling and resurfacing limits. Retain new asphalt surfaces.
- ❖ Revise Pavement Design: Substitute Optional Base Group 10 for Optional Base Group 9; Substitute FC-9.5 for FC-12.5 at 1.5-inch depth.
- ❖ Review and Revise Temporary Traffic Control Plans for continuity between right turn lane construction at Pritchard and construction improvements at Whiteview and Whippoorwill.

➤ **Pritchard Engineering FEE estimate: \$3,670.00**

Belle Terre Pkwy @ Whippoorwill

Roadway/Drainage:

- ❖ Confirm that all construction elements fit in existing ROW.

- ❖ City will provide water, reclaim, and sewer utility maps for the project limits. Utility maps will be in AutoCAD format. The utility background layer shall be displayed on plan views. Utilities will be reverified
- ❖ Revise Pavement Design: Substitute Optional Base Group 10 for Optional Base Group 9; Substitute FC-9.5 for FC-12.5 at 1.5-inch depth.
- ❖ Review and Revise Temporary Traffic Control Plans for continuity between right turn lane construction at Whippoorwill and construction improvements at Whiteview and Pritchard

➤ Whippoorwill FEE estimate: \$5,040.00

Grand Total General Task, Project Management & Engineering: \$ 211,525.000

Survey:

- ❖ Recover and verify control from original survey at the following intersections: Pine-Whiteview, Points Pleasant, Ponce Deleon, Pritchard, Royal Palm, Whippoorwill.
 - ❖ Review original survey data to verify any changes. Survey any changes from the original survey, i.e. new light poles, etc. at the following intersections: Pine-Whiteview, Points Pleasant, Ponce Deleon, Pritchard, Royal Palm, Whippoorwill.
 - ❖ Provide a topographical survey for extending turn lanes at Royal Palms and Whiteview turn lanes.
- ❖ Survey FEE estimate: \$ 15,140

SUE:

- ❖ Mast Arm Foundations clearance holes at the following intersections:
 - Pine-Whiteview - 2 mast arm foundations
 - Royal Palm - 2 mast arm foundations
- ❖ Designations at the following intersections to locate the new FPL BE line connecting the new street lights: Pine-Whiteview, Points Pleasant, Ponce Deleon, Pritchard, Royal Palm, Whippoorwill.
- ❖ Locate reclaim water for connection and maintaining of connection to median.

❖ SUE FEE estimate: \$ 42,300.00

Environmental/ Permits :

- ❖ Preliminary project research and field preparation. Includes review of existing permits, land use, soils, and potential listed species occurrences. Data gathering from relevant sources for project including the county agencies, WMD, USACE, USFWS, FWC, etc.
- ❖ Reverify and GPS wetlands and surfaces waters/OSW adjacent to proposed improvement areas. Coordination with EOR to determine impact numbers, GPS processing and photo documentation and wetland data sheets and adding points to the plans.
- ❖ General species surveys to confirm presence/absence within the project limits. No species specific surveys are anticipated.
- ❖ Agency field verification

- ❖ Wetland Impacts at Royal Palm a FDEP 404 and ERP GP is required. Prepare SJRWMD/FDEP applications with supporting documents and address any RAI responses required.
 - ❖ **Environmental/Permits FEE estimate: \$ 22,070.00**

 - ❖ **Provide Post Design Services for all Plan Components (DRMP and Matthews Design Group)**

Post Design_Services include 1 preconstruction meeting, project manager coordination with CEI, city and Contractor. Services also include professional engineering services for RFI's, Revisions, and Shop Drawings.

 - ❖ **POST Design FEE estimate: \$ 53,835.00**

 - ❖ **The following Optional Services require City authorization before performing:**
 - ❖ *Provide optional services providing for FDOT specifications to accompany City Specifications and Bid documents.*
 - ❖ **Specifications FEE estimate: \$ 945.00**
 - ❖ *FDOT Utility Certification: Provide optional services for coordination and review of Utility Work Schedules (UWS) with the Utility Owners. Coordinate with FDOT for utility certification.*
 - ❖ **Utility Certification FEE estimate: \$ 4,824.00**
 - ❖ *Provide optional services for a second FDOT standards update after January 2024. Include optional services for updates to Mast Arms and Signals.*
 - ❖ **Additional Plans Update FEE estimate: \$ 28,710.00**
 - ❖ *Mast Arm Foundations clearance holes at the following intersections if original locations is found to have conflicts:*
 - *Pine-Whiteview - 2 mast arm foundations*
 - *Royal Palm - 2 mast arm foundations*
 - ❖ *Perform approximately 20 VVH test holes to verify utilities throughout the project limits for conflicts with new conflicts not designated in original plans.*
 - ❖ **SUE Services FEE estimate: \$ 14,880.00**
- Grand Total with Optional Services: \$49,359.00**