

RESOLUTION NO. 2016 - 009

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF SOUTHWEST RANCHES, FLORIDA APPROVING A PURCHASE ORDER IN THE AMOUNT OF \$69,785.00 WITH ERDMAN ANTHONY OF FLORIDA, INC. FOR ENGINEERING SERVICES FOR PHASE TWO OF THE TRANSPORTATION SURFACE AND DRAINAGE ONGOING REHABILITATION (TSDOR) ROADWAY IMPROVEMENTS; AUTHORIZING THE EXECUTION OF THE PURCHASE ORDER; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Drainage and Infrastructure Advisory Board (DIAB) and Town Council have approved the first four years of the TSDOR 21-year plan subject to annual review and amendment those roads scheduled for construction five (5) fiscal years and beyond; and

WHEREAS, the second group of roads scheduled for construction FY 2017 have been reviewed by Town legal staff and determined to have no encumbered right of way issues; and

WHEREAS, engineering design services are needed to complete the construction; and

WHEREAS, on June 20, 2014, the Town advertised a Request for Letters of Interest (RLI #14-007) for a Continuing Contract for Professional Engineering Services; and

WHEREAS, on November 13, 2014, by Resolution 2015-005, the Town Council approved three Continuing Contracts for Engineering Services; and

WHEREAS, the Town has Continuing Contracts for Engineering Services with Erdman Anthony of Florida, Inc., Craig A. Smith and Associates, Inc., and Keith and Associates, Inc.; and

WHEREAS, the Town received a proposal from Erdman Anthony of Florida, Inc., for surveying Phase Two of the TSDOR Roadway Improvements in the amount of \$69,785.00; and

WHEREAS, the Town Council believes that the Purchase Order is in the best interest of the health, safety, and welfare of its residents.

NOW, THEREFORE, BE IT RESOLVED by the Town Council of the Town of Southwest Ranches, Florida:

Section 1: Recitals. The recitals above are true and correct and are incorporated herein by reference.

Section 2: Authorization. The Town Council hereby approves entering into a Purchase Order with Erdman Anthony of Florida, Inc. in the amount of \$69,785.00 for engineering service relating to the second group of the TSDO roadway improvements, in substantially the same form as that attached hereto as Exhibit "A".

Section 3: Approval. The Town Council hereby authorizes the Town Administrator to execute the Purchase Order in substantially the same form as that attached hereto as Exhibit "A" and to make such modifications, additions and/or deletions which they deem necessary to effectuate the intent of this Resolution.

Section 4: Effective Date. This Resolution shall become effective immediately upon its adoption.

PASSED AND ADOPTED by the Town Council of the Town of Southwest Ranches, Florida, this 10th day of December, 2015, on a motion by C/m Breitkreuz and seconded by C/m Jablonski.

Nelson
McKay
Breitkreuz
Fisikelli
Jablonski

C/m
C/m
C/m
C/m
C/m

Ayes
Nays
Absent
Abstaining

5
0
0
0

Jeff Nelson, Mayor

Attest:

Russell Muniz

Russell Muniz, Assistant Town Administrator/Town Clerk

Approved as to Form and Correctness:

Keith Poliakoff
Keith Poliakoff, Town Attorney
112832059.1

November 2, 2015

Clete J. Saunier P.E.
Public Works Director/Town Engineer
Town of Southwest Ranches
13400 Griffin Road
Town of Southwest Ranches, FL 33330-2628
Via email to: csaunier@southwestranches.org

SUBJECT: Work Order Proposal SW 127th Ave and SW 130th Ave TSDOR Roadway Improvements

Dear Mr. Saunier:

Erdman Anthony is pleased to present this proposal to provide services for preparing roadway plans for **SW 127th Ave/Appaloosa Trail and SW 130th Ave/Melaleuca Road (and associated side streets SW 56th Street and SW 128th Ave)** in support of the TSDOR Program. (see attached exhibits) This proposal includes an outline of the scope for services, our fee estimate and the proposed schedule.

Proposed Scope of Services

Existing Conditions – These roadway segments are located in rural residential sections of Southwest Ranches. The existing streets are generally sloped away from the adjacent canals and include intermittent swale drainage on the non-canal sides of the roadway. The swales drain to inlets that outfall to the canal system in the area. The pavement condition varies with an average rating of “5” as established in the “Streets Condition Assessment Pavement Management Plan” Technical Memorandum dated November 5, 2013 prepared for the Town by King Engineering Associates, Inc.

Design Concept – Based on our meeting and a subsequent field review we propose to prepare roadway construction plans and project specifications to:

- Clean, patch and resurface existing pavement
- Re-grade roadside swales to establish wide, shallow swales with a flat grade (for roadways south of SW 56th Street)
- Retain existing driveways
- Re-stripe intersections to match current markings

The depth of pavement resurfacing is anticipated to be 1” to 1.5” and will be established during design. Due to the low traffic volumes in this neighborhood we believe resurfacing the existing roadway will provide adequate pavement service life. For purposes of establishing the pavement structural value, an existing pavement section consisting of 1” asphaltic concrete over 8” base course with the equivalent subgrade of 12” stabilization will be used in lieu of coring the existing pavement.

Plans Package – We propose to develop a limited set of plans consisting of:

- Key sheet
- Summary of Pay Items
- Typical Sections for each roadway
- General Notes
- Roadway Plan and Profiles @ 1”=40’ Horizontal and 1”=2’ Vertical (for SW 127th Ave/Appaloosa Trail and SW 130th Ave/Melaleuca Road south of SW 56th Street)
- Roadway Plan Sheets @ 1”=40’ Horizontal (NO profiles) for SW 56th Street, SW 128th Ave and SW 130th Ave/Melaleuca Road north of SW 56th Street.
- Drainage Details (as needed)

Clete J. Saunier, PE
RE: Proposal for SW 127th and 130th Ave Roadway Improvements
November 2, 2015
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- Cross Sections @ 200' intervals (for SW 127th Ave/Appaloosa Trail and SW 130th Ave/Melaleuca Road south of SW 56th Street)
- Stormwater Pollution Prevention Plan
- Signing & Pavement Marking Plan (detail sheets as needed for intersections)

Specifications and Bid Documents – Erdman Anthony will reference FDOT specifications so they can be appended to the standard specifications prepared by the Town. We will also provide a bid tabulation form listing the anticipated quantities for each pay item.

Permitting – Erdman Anthony will coordinate with Broward County and prepare any necessary County permit applications. We also anticipate permit involvement with the Central Broward Water Control District. No other permits are anticipated.

Deliverables

Deliverables for the project will include:

- Roadway and Pavement Marking Plans Package
- Specification Section
- Bid tabulation form
- Engineer's estimate of probable construction cost
- Broward County Plan Review application (if required by the County)
- Central Broward Water Control District (if required)

Items to be provided by the Town of Southwest Ranches

The following items are anticipated to be provided by the Town:

- Field survey and Existing right of way
- Standard and general specification sections
- Bid documents
- Underground utility and drainage data (as available)

Fee Estimate

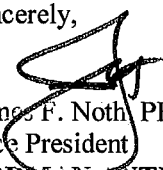
Please see the attached spreadsheet.

Schedule

Erdman Anthony will begin the services under this work authorization within one business day of receiving authorization to proceed. Services are expected to be complete within 8 months.

We appreciate the opportunity to offer professional services to the Town of Southwest Ranches. Should you have any questions or comments, please do not hesitate to call me.

Sincerely,


James F. Noth PE, PSM
Vice President

ERDMAN ANTHONY

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ERDMAN
ANTHONY 

**TRANSPORTATION SURFACE AND DRAINAGE ONGOING REHABILITATION
(TSDOR) CONSTRUCTION PROGRAM SCHEDULE**

East/West of I-75	Street Name		From	To	Full Public R/W (Y/N) (Provided by Town)	Average Rating	Minimum Rating	Maximum Rating	Length (miles)	Resurfacing & Swale Restoration Cost	Fiscal Year	
	Street Name	Street Name										
E	SW 128th Ave.	SW 56 Street	SW 56 Street	North dead end.	Y	8	7	9	0.23	\$57,800.00	2017	
E	SW 56th Street	Melaleuca Rd	Melaleuca Rd	SW 128th Ave	Y	3	2	4	0.12	\$12,800.00	2017	
E	SW 56th Street	SW 128th Ave	SW 128th Ave	SW 127th Ave	Y	5	4	5	0.12	\$12,800.00	2017	
E	Melaleuca Drive	SW 56th Street	SW 56th Street	North dead end.	N	5	5	5	0.12	\$12,500.00	2017	
E	Melaleuca Drive	Stirling Road (SW 60th St)	Stirling Road (SW 60th St)	SW 56th Street	Y	5	4	6	0.37	\$58,200.00	2017	
E	Melaleuca Drive (* 2011)	Stirling Road (SW 60th St)	Stirling Road (SW 60th St)	Old Sheridan Street	Y	4	4	6	0.99	\$156,400.00	2017	
E	Appaloosa Trail (* 2011)	Stirling Road (SW 60th St)	Stirling Road (SW 60th St)	Old Sheridan Street	Y	6	4	6	1.00	\$168,800.00	2017	
TOTALS									2.95	\$479,300.00	2017	
INFLATION & CONTINGENCY											\$24,000.00	2017
TOTAL FISCAL YEAR PROJECTS											\$503,300.00	2017

Note: This road segment was included in the King Study, but is situated at the north end of SW 130th Avenue (Private Road)

E	SW 52nd Street	SW 130 Avenue	60' of SW 52nd St.	Y	2	2	2	2	0.04	\$2,600.00	???
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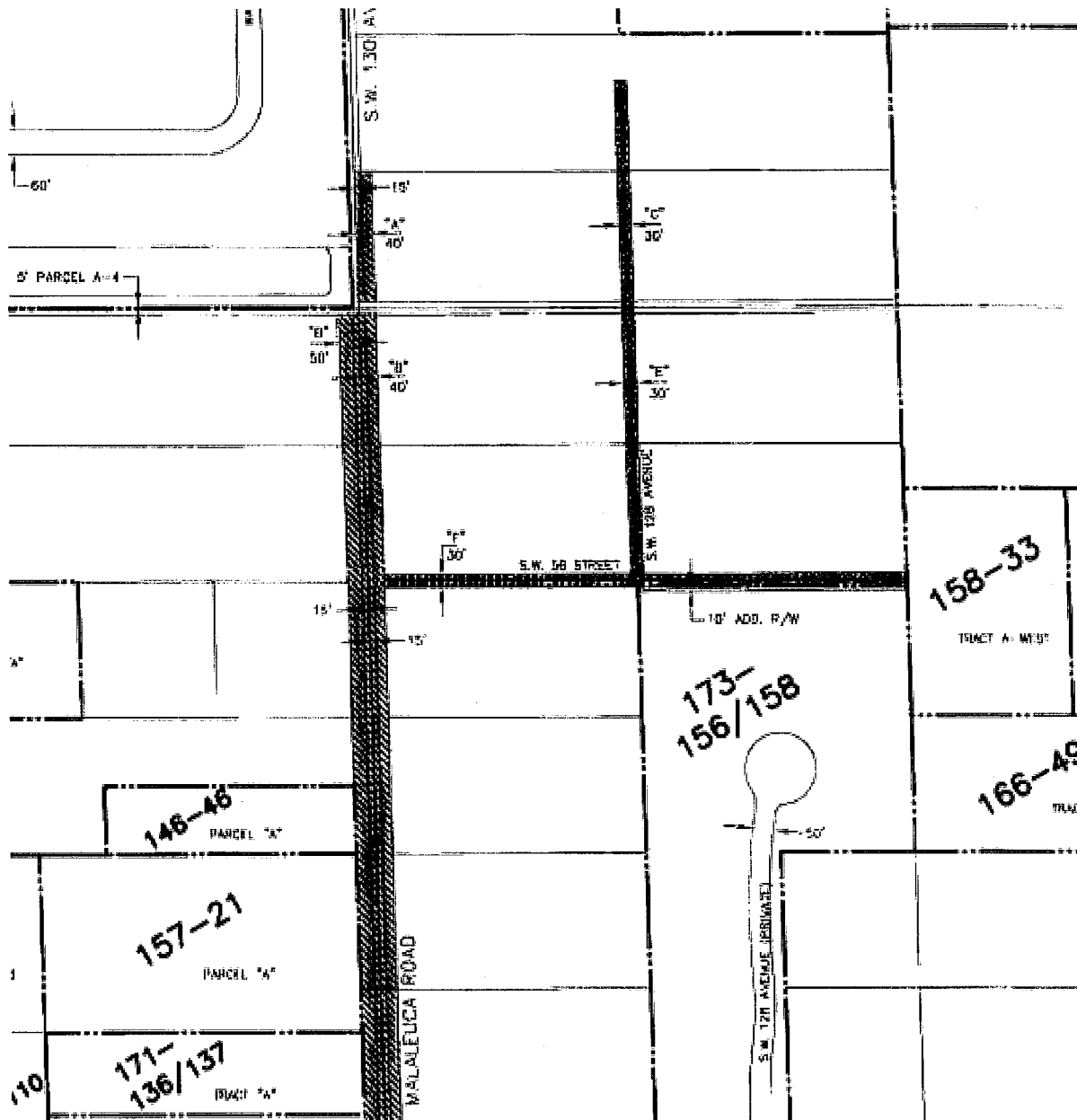
Town of Southwest Ranches

2017 TSDOR Roadway Improvement Limits for:

SW 56th Street

Melaleuca Road/SW 130th Ave north of SW 56th Street

SW 128th Ave north of SW 56th Street



ESTIMATE OF WORK EFFORT AND COST

Name of Project: SW 127th Ave SW 130th Ave SW Ranches RLI No. from Old Sheridan Street to Stirling Road/SW 60th Street from Old Sheridan Street to dead end north of SW 56th Street and portions of SW 56th St and SW 128th Ave

Date: 11/02/2015
James F. Noth, PE, PSM

Project Length = 2.952 miles

Staff Classification	Hours From "SH Firm"	Principal	Expert Witness Testimony	VP/Corp Manager	Senior Project Manager	Project Manager	PE	Senior Project Engineer	Project Engineer	Tech CADD	Admin Assistant	SH By Activity	Salary Cost By Activity	Deliverables	
														Seals	No. of Sheets
Project Meetings	16	8			8						\$55.00	16	\$2,800	n/a	
Roadway Plans	365				1	4	4	4	4	3		4	\$375	n/a	1
Key Sheet					2					6		18	\$1,720	n/a	1
Summary of Pay Items					8					16		0	\$0	n/a	
Drainage Map										4		34	\$3,350	n/a	4
Typical Section										4		6	\$505	n/a	1
Summary of Drainage Structures										8		12	\$1,010	n/a	1
General Notes		10		24				40	40	28		186	\$18,840	1"= 40' H & 2'V	20
Plan & Profile Sheets		4		11				7	7	28		56	\$5,810	1"= 40' H	7
Side Street Intersection Profiles					1			2	2	4		9	\$80	n/a	1
Drainage Details					4			4	4	16		24	\$2,020	n/a	21
Cross Sections @ 200' Intervals					2			3	3	8		16	\$1,515	n/a	2
Stormwater Pollution Prevention Plan												0	\$0	n/a	
Erosion and Sediment Control Plan												0	\$0	n/a	
Roadway Soil Survey (by others)												0	\$0	n/a	
Signaling & Pavement Marking Plans	8											0	\$0	n/a	
Key Sheet												0	\$0	n/a	
Tabulation of Quantities												0	\$0	n/a	
General Notes & Details												0	\$0	n/a	
Plan Sheets					1					4		6	\$570	1"= 40'	1
Supervision & QC Review	38	38										38	\$7,600		
TOTAL LUMP SUM FEE DESIGN TASKS												425	\$47,015		
Hourly Based Tasks	160				12	16	12			12		44	\$5,420	n/a	
Permit Submittals		4			12							28	\$4,040	n/a	
Utility Coordination		4			8							10	\$1,600	n/a	
Cost Estimates		2			4							26	2,880	n/a	
Specifications Package		2												n/a	
Construction Observation		12			40							52	\$8,400	n/a	
TOTAL HOURLY TASKS		84	0	134	100	100	191	69	0	0	8	160	\$22,340		60
Total Staff Hours		\$16,700.00	\$0.00	\$20,025.00	\$0.00	\$12,000.00	\$14,325.00	\$5,885.00	\$0.00	\$440.00	\$0.00	565	\$89,355.00		
Total Staff Cost															

EXPENSES:
 Blueprint/Propose \$210
 Permit Fees TBD
 Travel \$220
 Equipment/Supplies \$0
TOTAL EXPENSES \$430

EXPENSES:
 Field Inspector/Representative 0 \$90.00 / hour
 Junior Field Inspector 0 \$75.00 / hour
 3D Laser Scanning 0 \$160.00 / hour
SUBTOTAL Inspection/Survey FEE:
 Subconsultant \$0.00
 Subconsultant \$0.00
GRAND TOTAL FEE:
 \$69,785.00

SALARY RELATED COSTS: (LUMP SUM FEE)
 \$47,015.00
SALARY RELATED COSTS: (BUDGETED AMOUNT FOR HOURLY TASKS)
 EXPENSES: \$22,340.00
SUBTOTAL DESIGN FEE: \$69,785.00