

RESOLUTION NO. 2015 - 030

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF SOUTHWEST RANCHES, FLORIDA, APPROVING A WORK AUTHORIZATION WITH ERDMAN ANTHONY OF FLORIDA, INC. FOR ENGINEERING SERVICES RELATED TO PHASE ONE OF THE TRANSPORTATION SURFACE AND DRAINAGE ONGOING REHABILITATION (TSDOR) ROADWAY IMPROVEMENTS; AUTHORIZING THE MAYOR TO EXECUTE THE WORK AUTHORIZATION; 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; and

WHEREAS, the first group of roads scheduled for construction in FY 2016 have been reviewed by Town legal staff and have been determined to have no encumbered right of way issues; and

WHEREAS, engineering 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 Continuing Contracts for Engineering Services with Erdman Anthony of Florida, Inc. and two other firms; and

WHEREAS, the Town received two proposals from Erdman Anthony of Florida, Inc. for engineering services related to Phase One of the TSDOR Roadway Improvements; and

WHEREAS, the Town Council believes that their proposal 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 a Work Authorization for engineering services with Erdman Anthony of Florida, Inc. in substantially the same form as that attached hereto as Exhibit "A".

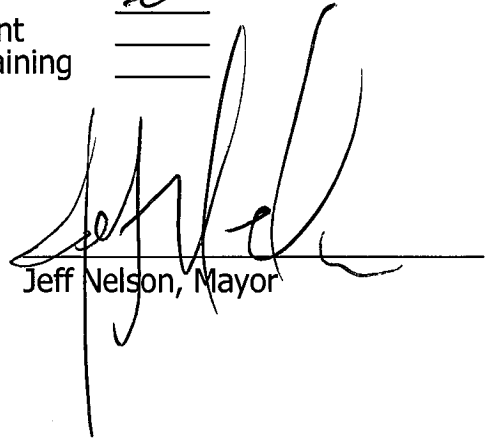
Section 3: Approval. The Town Council hereby authorizes the Mayor to execute the Work Authorization in substantially the same form as that attached hereto as Exhibit "A" and to make such modifications, additions and/or deletions which they deem necessary to effectuate the intent of this Resolution.

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 26th day of February, 2015, on a motion by Jeff Fisikelli and seconded by Chris Breitkreuz.

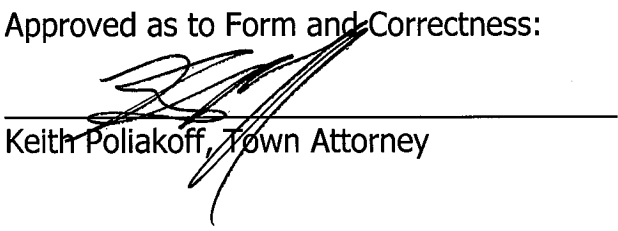
Nelson	<u>afn</u>
Fisikelli	<u>afn</u>
Breitkreuz	<u>afn</u>
Jablonski	<u>afn</u>
McKay	<u>afn</u>

Ayes	<u>5</u>
Nays	<u>0</u>
Absent	<u> </u>
Abstaining	<u> </u>


Jeff Nelson, Mayor

Attest:

Russell Muñiz, Assistant Town Administrator/Town Clerk

Approved as to Form and Correctness:

Keith Poliakoff, Town Attorney

Revised: January 23, 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 205th Ave TSDOR Roadway Improvements

Dear Mr. Saunier:

Erdman Anthony is pleased to present this proposal to provide services for preparing roadway plans for **SW 205th Ave (and associated side streets)** in support of the TSDOR Program. This proposal includes an outline of the scope for services, our fee estimate and the proposed schedule.

Proposed Scope of Services

Existing Conditions – This section of SW 205th Ave is located in a fully developed residential subdivision. The existing streets are crowned with a normal cross slope and include swale drainage on both sides of the roadway. The swales drain to inlets that are interconnected and outfall to the lake/canal system on the east side of the subdivision. The pavement is in fair to poor condition with an average rating of “4” 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
- Adjust existing storm drainage manholes to finished grade
- Re-stripe south leg of the Griffin Road/SW 205th Ave intersection

The depth of pavement resurfacing is anticipated to be 1” to 1.5” and will be established during design. The existing pavement appears to be 1” or less in thickness (based on field observation of potholes and survey point cut-outs) and is therefore not able to be milled to remove surface imperfections. Due to the low traffic volumes in this neighborhood we believe resurfacing the existing roadway will provide adequate pavement service life.

Plans Package – Since the roadway improvements will be limited to resurfacing the existing pavement we propose to develop a limited set of plans consisting of:

- Key sheet
- Summary of Pay Items
- General Notes
- Roadway Plans
 - 2 sheets @ 1”= 100’ to show the general pavement outline and locations of major pavement repair areas and manhole adjustments

- **Signing & Pavement Marking Plan**
 - detail sheet for the south leg of the Griffin Road/SW 205th Ave intersection

Specifications and Bid Documents – Erdman Anthony will provide the specifications for each pay item associated with the proposed work. These specifications will 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 for the resurfacing at the Griffin Road/SW 205th Ave intersection. No other permits are anticipated for this project.

Deliverables

Deliverables for the project will include:

- Roadway and Pavement Marking Plans Package
- Specification Sections for anticipated Pay Items
- Bid tabulation form
- Engineer's estimate of probable construction cost
- Broward County Plan Review application (if required by the County)

Items to be provided by the Town of Southwest Ranches

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

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

Fee Estimate


Please see the attached spreadsheet dated January 12, 2015.

Schedule (revised January 23, 2015)

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 three (3) 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. North, PE, PSM
Vice President
ERDMAN ANTHONY
enc:

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ESTIMATE OF WORK EFFORT AND COST

Name of Project: SW 205th Ave
SW Ranches RLI No. 14-007

from Town Boundary to Griffin Road (work includes SW 48th Pl., SW 49th CT and SW 50th Pl.)

Date: 01/12/2015
James F. Neuh, PE, PSM

Staff Classification	Hours From "SH Summary - Firm"	Principal	Expert Witness Testimony	VP/Corp Manager	Senior Project Manager	Project Manager	PE	Senior Project Engineer	Project Engineer	Tech CAD	Admin Assistant	SH By Activity	Salary Cost By Activity	Deliverables	
														Scale	No. of Sheets
Project Meetings	8	4										8	\$1,400	n/a	
Roadway Plans	31						4			3		4	\$375	n/a	1
Key Sheet										4		8	\$780	n/a	1
Summary of Pay Items												0	\$0	n/a	
Drainage Map												0	\$0	n/a	
Typical Section												0	\$0	n/a	
Summary of Drainage Structures												0	\$0	n/a	
General Notes		1					2			2		4	\$390	n/a	1
Plan Sheets							4			8		15	\$1,560	1"=100'	2
Side Street Intersection Profiles												0	\$0	n/a	
Drainage Details												0	\$0	n/a	
Cross Sections @ 100' Intervals												0	\$0	n/a	
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	
Staging & Pavement Marking Plans	6											0	\$0	n/a	
Key Sheet												0	\$0	n/a	
Tribulation of Quantities												0	\$0	n/a	
General Notes & Details												0	\$0	n/a	
Plan Sheets										4		6	\$570	1"=40'	1
Supervision & QC Review	4	4										4	\$800		
TOTAL LUMP SUM FEE DESIGN TASKS												49	\$5,895		
Hourly Based Tasks	36											10	\$1,300	n/a	
Permit Submittals		2										0	\$0	n/a	
Utility Coordination		1										2	\$500	n/a	
Cost Estimates		1										9	1,020	n/a	
Specifications Package												14	\$2,200	n/a	
Construction Observation		2										38	\$5,020		
TOTAL HOURLY TASKS												85	\$10,915.00		
Total Staff Hours		85	0	0	30	0	11	0	0	25	4	85	\$10,915.00		
Total Staff Cost		\$3,000.00	\$0.00	\$0.00	\$4,500.00	\$0.00	\$1,220.00	\$0.00	\$0.00	\$1,875.00	\$220.00	\$0.00	\$10,915.00		

SALARY RELATED COSTS: (LUMP SUM FEE)
 SALARY RELATED COSTS: (BUDGETED AMOUNT FOR HOURLY TASKS)
 EXPENSES:
 SUBTOTAL DESIGN FEE: \$0.00
 Field Inspector/Representative 0 \$90.00 / hour
 Junior Field Inspector 0 \$75.00 / hour
 3D Laser Scanning 0 \$169.00 / hour
 SUBTOTAL Inspection/Survey FEE:
 Subconsultant
 Subconsultant
 Subconsultant
GRAND TOTAL FEE: \$11,095.00

EXPENSES:
 Blueprint/Repro \$30
 Permit Fees TBD
 Travel \$150
 Equipment/Supplies \$0
 TOTAL EXPENSES \$180

Revised: January 23, 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 209th Ave TSDOR Roadway Improvements

Dear Mr. Saunier:

Erdman Anthony is pleased to present this proposal to provide services for preparing roadway plans for **SW 209th Ave (and associated side streets)** in support of the TSDOR Program. This proposal includes an outline of the scope for services, our fee estimate and the proposed schedule.

Proposed Scope of Services

Existing Conditions – This section of SW 209th Ave (also including SW 208th Lane and SW 210th Terrace) is located in a rural residential and commercial section of Southwest Ranches. The existing streets are generally crowned with a normal cross slope and include intermittent swale drainage on both sides of the roadway. The swales drain to inlets that are interconnected and outfall to the lake/canal system on the west side of the area. The pavement condition varies from good (SW 209th Ave) to very poor condition SW 54th PL east of SW 208th LN) with an average rating of “4” 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 (except SW 54th PL east of SW 208th LN)
- Reconstruct SW 54th PL east of SW 208th LN
- Re-grade roadside swales to establish wide, shallow swales with a flat grade
- Retain existing driveways
- Re-stripe south leg of the Griffin Road/SW 209th Ave intersection

The depth of pavement resurfacing is anticipated to be 1” to 1.5” and will be established during design. The existing pavement appears to be 1” or less in thickness (based on field observation of potholes and survey point cut-outs) and is therefore not able to be milled to remove surface imperfections. Due to the low traffic volumes in this neighborhood we believe resurfacing the existing roadway will provide adequate pavement service life.

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

- Key sheet
- Summary of Pay Items
- Typical Section
- General Notes
- Roadway Plan and Profiles @ 1”=40’ Horizontal and 1”=2’ Vertical
- Drainage Details (as needed)
- Cross Sections @ 100’ intervals

- Stormwater Pollution Prevention Plan
- Erosion and Sediment Control Plan
- Signing & Pavement Marking Plan
 - detail sheet for the south leg of the Griffin Road/SW 205th Ave intersection

Specifications and Bid Documents – Erdman Anthony will provide the specifications for each pay item associated with the proposed work. These specifications will 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 for the resurfacing at the Griffin Road/SW 209th Ave intersection. We also anticipate permit involvement with the South Broward Drainage District. No other permits are anticipated.

Deliverables

Deliverables for the project will include:

- Roadway and Pavement Marking Plans Package
- Specification Sections for anticipated Pay Items
- Bid tabulation form
- Engineer's estimate of probable construction cost
- Broward County Plan Review application (if required by the County)
- South Broward Drainage 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
- Standard and general specification sections
- Bid documents
- Existing right of way
- Underground utility and drainage data (as available)

Fee Estimate

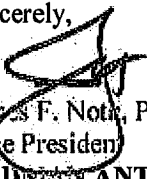
Please see the attached spreadsheet dated January 12, 2015.

Schedule (revised January 23, 2015)

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 three (3) 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. Notz, PE, PSM
Vice President

ERDMAN ANTHONY

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ERDMAN
ANTHONY 

ESTIMATE OF WORK EFFORT AND COST

from SW 54th PL to Griffin Road (work includes SW 208th LN, SW 210th TERR and portions of SW 54th PL)

SW 208th Ave
SW Ranches RLI No. 14-007

Name of Project:

Date: 01/12/2015

James F. North, PE, PSM

Staff Classification	Total Staff Hours From - 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	
														Scale	No. of Sheets
Project Meetings	16	8			8		\$200.00	\$120.00	\$85.00	\$75.00	\$55.00	16	\$2,800	n/a	
Roadway Plans	316														
Key Sheet													\$375	n/a	1
Summary of Pay Items													\$1,860	n/a	1
Drainage Map													\$0	n/a	
Typical Section													\$1,380	n/a	1
Summary of Drainage Structures													\$540	n/a	1
General Notes													\$1,080	n/a	1
Plan & Profile Sheets		4			20		\$2	\$2		104			\$17,765	1"=40' H & 2V	13
Side Street Intersection Profiles													\$0	n/a	
Drainage Details					1		\$4	\$4		4			\$930	n/a	1
Cross Sections @ 100' Intervals										19			\$2,985	n/a	25
Stormwater Pollution Prevention Plan					2		\$4	\$4		10			\$1,530	n/a	
Erosion and Sediment Control Plan					2		\$8	\$8		20			\$2,760	n/a	
Roadway Soil Survey (by others)													\$0	n/a	
Signaling & Pavement Marking Plans	6												\$0	n/a	
Key Sheet													\$0	n/a	
Tribulation of Quantities													\$0	n/a	
General Notes & Details													\$0	n/a	
Plan Sheets					1		\$1	\$1		4			\$570	1"=40'	1
Supervision & QC Review	33	33													
TOTAL LUMP SUM FEE DESIGN TASKS															
Hourly Based Tasks	189	4			16		\$24	\$24		16			\$7,280	n/a	
Permit Submittals		2			8		\$8	\$8					\$2,560	n/a	
Utility Coordination		1			4		\$4	\$4					\$800	n/a	
Cost Estimates		2			4		\$8	\$8					2,880	n/a	
Specifications Package															
Construction Observation		8			24		\$24	\$24					\$5,200	n/a	
TOTAL HOURLY TASKS															
Total Staff Hours	480	62	0	0	95	0	\$12,400.00	\$0.00	\$14,175.00	\$0.00	\$16,680.00	139	\$18,720		45
Total Staff Cost		\$12,400.00	\$0.00	\$0.00	\$14,175.00	\$0.00	\$16,680.00	\$0.00	\$0.00	\$15,800.00	\$440.00	8	\$18,720		
													\$52,685.00		

EXPENSES:
 Budget/Response \$160
 Permit Fees TBD
 Travel \$220
 Equipment/Supplies \$0
TOTAL EXPENSES \$380

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:
 Subcontractant
 Subcontractant
GRAND TOTAL FEE:

SALARY RELATED COSTS: (LUMP SUM FEE)
 SALARY RELATED COSTS: (BUDGETED AMOUNT FOR HOURLY TASKS)
EXPENSES:
SUBTOTAL DESIGN FEE:
 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:
 Subcontractant
 Subcontractant
GRAND TOTAL FEE:

\$33,975.00
 \$18,720.00
 \$380.00
 \$53,075.00
 \$0.00
 \$0.00
 \$0.00
 \$0.00
 \$0.00
 \$0.00
 \$53,075.00