

**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: Indian Rocks Road Reconstruction (Phase I)  
 County: Pinellas  
 FPN: PW-19.3  
 FAP No.: N/A

Consultant Name: RS&H, Inc.  
 Consultant No.: enter consultants proj. number  
 Date: 4/15/2021  
 Estimator: Vincent Shine

Staff Classification	Total Staff Hours From "SH Firm"	Project Officer	Project Manager	Senior Engineer	Design Engineer	Engineering Technician	Senior Env. Scientist	Environmental Scientist	Clearical									SH	Salary	Average
		\$297.55	\$270.67	\$182.96	\$183.46	\$140.55	\$179.16	\$96.68	\$81.24										By Activity	Cost By Activity
3. Project Common and Project General Tasks	71	4	35	18	0	0	0	0	14	0	0	0	0	0	0	0	0	71	\$15,094.29	\$212.60
4. Roadway Analysis	225	0	11	23	101	79	0	0	11	0	0	0	0	0	0	0	0	225	\$37,712.00	\$167.61
5. Roadway Plans	110	0	5	6	16	77	0	0	6	0	0	0	0	0	0	0	0	110	\$16,696.26	\$151.78
6a. Drainage Analysis	101	0	0	76	25	0	0	0	0	0	0	0	0	0	0	0	0	101	\$18,491.46	\$183.08
6b. Drainage Plans	135	0	0	33	34	68	0	0	0	0	0	0	0	0	0	0	0	135	\$21,832.72	\$161.72
7. Utilities	48	0	2	5	0	41	0	0	0	0	0	0	0	0	0	0	0	48	\$7,218.69	\$150.39
8. Environmental Permits, Compliance & Clearances	13	0	1	0	0	12	0	0	0	0	0	0	0	0	0	0	0	13	\$1,957.27	\$150.56
19. Signing & Pavement Marking Analysis	72	4	0	25	0	43	0	0	0	0	0	0	0	0	0	0	0	72	\$11,807.85	\$164.00
20. Signing & Pavement Marking Plans	24	0	0	4	0	20	0	0	0	0	0	0	0	0	0	0	0	24	\$3,542.84	\$147.62
<b>Total Staff Hours</b>	799	8	54	190	176	340	0	0	31	0	0	0	0	0	0	0	0	799		
<b>Total Staff Cost</b>		\$2,380.40	\$14,616.18	\$34,762.40	\$32,288.96	\$47,787.00	\$0.00	\$0.00	\$2,518.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		<b>\$134,353.38</b>	<b>\$168.15</b>

Survey Field Days by Subconsultant  
 4 - Person Crew:

SALARY RELATED COSTS:			
OVERHEAD:	0.0000%		\$134,353.38
OPERATING MARGIN:	0.0000%		\$0.00
FCCM (Facilities Capital Cost Money):	0.0000%		\$0.00
EXPENSES:	0.0000%		\$0.00
Survey (Field - if by Prime)	0	4-person crew days @ \$ - / day	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$134,353.38</b>
Subconsultant: McKim			\$36,415.00
Subconsultant: 0			\$0.00
Subconsultant: 0			\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$170,768.38</b>
Permitting Fee			\$100.00
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$170,868.38</b>
Optional Services			\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>			<b>\$170,868.38</b>

Check = \$134,353.38

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

RS&H Approved by (Signature): 

RS&H Approved By (Printed): Vincent Shine, PE

Date: 04/15/21

Town of Belleair Approved by (Signature): \_\_\_\_\_

Town of Belleair Approved By (Printed): \_\_\_\_\_

Date: \_\_\_\_\_

**ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL**

Financial Project Number: PW-19.3

Project Name: Indian Rocks Road Reconstruction (Phase I)

FAP Number: N/A

Date: 4/15/2021

Name of Consultant: RS&H, Inc.

WORK ACTIVITY	Hours from "Summary" sheet	EMPLOYEE CLASSIFICATION																TOTAL STAFF HOURS		ON CADD		
	Firm Total Hours	Project Officer Hours	Project Manager Hours	Senior Engineer Hours	Design Engineer Hours	Engineering Technician Hours	Senior Env. Scientist Hours	Environmental Scientist Hours	Clearical		Hours	RANGE		PERCENT								
		Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours				
3. Project Common and Project General Tasks	71	4	35	18	0	0	0	0	14	0	0	0	0	0	0	0	0	0	71	78		
4. Roadway Analysis	225	0	11	23	101	79	0	0	11	0	0	0	0	0	0	0	0	0	225	248		
5. Roadway Plans	110	0	5	6	16	77	0	0	6	0	0	0	0	0	0	0	0	0	110	121		
6a. Drainage Analysis	101	0	0	76	25	0	0	0	0	0	0	0	0	0	0	0	0	0	101	111		
6b. Drainage Plans	135	0	0	33	34	68	0	0	0	0	0	0	0	0	0	0	0	0	135	149		
7. Utilities	48	0	2	5	0	41	0	0	0	0	0	0	0	0	0	0	0	0	48	53		
8. Environmental Permits, Compliance & Clearances	13	0	1	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	13	14		
19. Signing & Pavement Marking Analysis	72	4	0	25	0	43	0	0	0	0	0	0	0	0	0	0	0	0	72	79		
20. Signing & Pavement Marking Plans	24	0	0	4	0	20	0	0	0	0	0	0	0	0	0	0	0	0	24	26		
<b>TOTALS</b>	<b>799</b>	<b>8</b>	<b>54</b>	<b>190</b>	<b>176</b>	<b>340</b>	<b>0</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>799</b>	<b>879</b>										
Field Survey Estimate:																						
0 4-person crew days																						
																		<b>FIRM TOTAL</b>				
																		<b>799</b>		<b>879</b>		

- Notes:
- This worksheet provides the distribution of a firm's total staff hours for a project.
  - Percentages for staff hour distribution by classification are entered below in rows 64 to 98 of this sheet.
  - Total Staff Hours (column O) may not match staff hours from Summary worksheet (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.
  - Formulas under "Total Staff Hours Range" (columns O & P) may be adjusted to provide desired range.

**ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL**

Financial Project Number: PW-19.3

Project Name: Indian Rocks Road Reconstruction (Phase I)

FAP Number: N/A

Date: 4/15/2021

Name of Consultant: RS&H, Inc.

Staff Hour Distribution Percentages - Firm Total																		
	Hours from "Summary" sheet Firm Total	Project Officer	Project Manager	Senior Engineer	Design Engineer	Engineering Technician	Senior Env. Scientist	Environmen tal Scientist										Total
3. Project Common and Project General Tasks	71	5.0%	50.0%	25.0%	0.0%	0.0%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
4. Roadway Analysis	225	0.0%	5.0%	10.0%	45.0%	35.0%	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
5. Roadway Plans	110	0.0%	5.0%	5.0%	15.0%	70.0%	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
6a. Drainage Analysis	101	0.0%	0.0%	75.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
6b. Drainage Plans	135	0.0%	0.0%	25.0%	25.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
7. Utilities	48	0.0%	5.0%	10.0%	0.0%	85.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
8. Environmental Permits, Compliance & Clearances	13	0.0%	5.0%	0.0%	0.0%	95.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
19. Signing & Pavement Marking Analysis	72	5.0%	0.0%	35.0%	0.0%	60.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
20. Signing & Pavement Marking Plans	24	0.0%	0.0%	15.0%	0.0%	85.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%

**ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT**

Name of Project: Indian Rocks Road Reconstruction (Phase I)  
 County: Pinellas  
 FPN: PW-19.3  
 FAP No.: N/A

Consultant Name: McKim  
 Consultant No.: enter consultants proj. number  
 Date: 4/15/2021  
 Estimator: David O'Brien

Staff Classification	Total Staff Hours From *SH Summary - Firm*	Regional Surveyor	Project Surveyor	Survey Technician										SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$170.00	\$140.00	\$105.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
27. Survey (Field & Office Support)	79	4	28	47	0	0	0	0	0	0	0	0	0	79	9,535.00	120.70
<b>Total Staff Hours</b>	79	4	28	47	0	0	0	0	0	0	0	0	0	79		
<b>Total Staff Cost</b>		\$680.00	\$3,920.00	\$4,935.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		<b>9,535.00</b>	<b>120.70</b>

Check = \$9,535.00

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.

SALARY RELATED COSTS:		\$9,535.00
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$9,535.00</b>
Survey (Field)	14 3-person crew days @	\$26,880.00
Titlework (O & E Reports) Subcontracted		\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$36,415.00</b>
Optional Services		\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$36,415.00</b>

**ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL**

Financial Project Number: PW-19.3

Project Name: Indian Rocks Road Reconstruction (Phase I)

FAP Number: N/A

Date: 4/15/2021

Name of Consultant: McKim

WORK ACTIVITY	Hours from "Summary" sheet	EMPLOYEE CLASSIFICATION												TOTAL STAFF HOURS		ON CADD	
	Firm Total Hours	Regional Surveyor	Project Surveyor	Survey Technician											RANGE		
		Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	PERCENT	
27. Survey (Field & Office Support)	79	4	28	47	0	0	0	0	0	0	0	0	0	0	79	87	
<b>TOTALS</b>	<b>79</b>	<b>4</b>	<b>28</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>87</b>								
												<b>Field Survey Estimate:</b>					
												14 4-person crew days					
												<b>FIRM TOTAL</b>		<b>79</b>	<b>87</b>		

- Notes:
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  - Percentages for staff hour distribution by classification are entered below in rows 64 to 98 of this sheet.
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  - Formulas under "Total Staff Hours Range" (columns O & P) may be adjusted to provide desired range.

**ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL**

Financial Project Number: PW-19.3

Project Name: Indian Rocks Road Reconstruction (Phase I)

FAP Number: N/A

Date: 4/15/2021

Name of Consultant: McKim

Staff Hour Distribution Percentages - Firm Total															
	Hours from "Summary" sheet Firm Total	Regional Surveyor	Project Surveyor	Survey Technician											Total
27. Survey (Field & Office Support)	79	5.0%	35.0%	60.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%

**Project Activity 3: General Tasks**

Estimator: Vincent Shine

Indian Rocks Road Reconstruction (Phase I)

PW-19.3

Representing	Print Name	Signature / Date
Town of Belleair		
Consultant Name: RS&H		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3a.1	Public Involvement					
3a.1.1	Community Awareness Plan	LS	1	0	0	N/A
3a.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	2	4	8	Based on 2 Local Government Meetings (FDOT & Pinellas County)
3.1.12	Web Site	LS	1	0	0	N/A
<b>3.1 Public Involvement Subtotal</b>					<b>8</b>	

**Project Activity 3: General Tasks**

<b>Task No.</b>	<b>Task</b>	<b>Units</b>	<b>No of Units</b>	<b>Hours/ Unit</b>	<b>Total Hours</b>	<b>Comments</b>
3.2	Joint Project Agreements	EA	0	0	0	N/A
3.3	Specifications Package Preparation	LS	1	8	8	The consultant will review the specifications package prepared by Town
3.4	Contract Maintenance and EDMS	LS	1	40	40	Based on 12 month duration. Initial set up that includes subconsultant agreements, file setup, Work Breakdown Structure for budget distribution, project design schedule, and project specific QC Plan = Sub-Total 16 hrs 2 hrs per month afterwards for 12 months for processing subconsultant invoices, preparation of monthly invoice, prepare progress report and payout curve = Sub-Total 24 hrs TOTAL = 40 hrs
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	N/A
3.6	Prime Consultant Project Manager Meetings	LS	1	7	7	See listing below
3.7	Plans Update	LS	1	0	0	N/A
3.8	Post Design Services	LS	1	0	0	N/A
3.9	Digital Delivery	LS	1	4	4	Roadway PE (2 hrs), Drainage PE (1 hrs), Traffic PE (1 hrs)
3.10	Risk Assessment Workshop	LS	1	0	0	N/A
3.11	Railroad, Transit, and/or Airport Coordination	LS	2	2	4	Meeting with PSTA for Bus Stop Locations
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	N/A
3.13	Other Project General Tasks	LS	1	0	0	N/A
<b>3. Project Common and Project General Tasks Total</b>					<b>71</b>	

**Project Activity 3: General Tasks**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
<b>3.6 - List of Project Manager Meetings</b>						
	Roadway Analysis	EA	1	0	0	
	Drainage	EA	0	0	0	
	Utilities	EA	1	3	3	Attend Design Meeting - Virtual
	Environmental	EA	1	0	0	
	Structures	EA	0	0	0	
	Signing & Pavement Marking	EA	0	0	0	
	Signalization	EA	1	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	2	0	0	
	Field Reviews	EA	1	4	4	
<b>Total Project Manager Meetings</b>			7		7	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:

Indian Rocks Road Reconstruction (Phase I)

PW-19.3

Representing	Print Name	Signature / Date
Town of Belleair		
Consultant Name: RS&H		

**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	N/A
4.2	Pavement Type Selection Report	LS	1	0	0	N/A
4.3	Pavement Design Package	LS	1	10	10	Prepare Pavement Design per FPDM using existing AADT.
4.4	Cross-Slope Correction	LS	1	0	0	N/A
4.5	Horizontal /Vertical Master Design Files	LS	1	90	90	Low Range, Reconstruction. - Horizontal Set Short project - 3,186 ft along Indian Rocks Road and based on 200 hrs for 1st mile 3,186 ft/ 5,280 ft / mi X 200 hrs / mile = 200 hrs X 25% (Horizontal) = 90 hrs TOTAL = 90 hrs
4.6	Access Management	LS	1	0	0	N/A
4.7	Roundabout Evaluation	LS	1	0	0	N/A
4.8	Roundabout Final Design Analysis	LS	1	0	0	N/A
4.9	Cross Section Design Files	LS	1	36	36	Low Range, cross section spacing at 100 ft, Length = 3,186 ft 3,186 ft. / 5,280 ft / mile X 60 hrs/mile = 36 hrs
4.10	Traffic Control Analysis	LS	1	0	0	N/A
4.11	Master TCP Design Files	LS	1	0	0	N/A
4.12	Selective Clearing and Grubbing	LS	1	0	0	N/A
4.13	Tree Dispostion Plan	LS	1	0	0	N/A
4.14	Design Exceptions	LS	1	0	0	N/A
4.15	Design Documentation	LS	1	0	0	N/A
4.16	Quantities	LS	1	40	40	
4.17	Cost Estimate	LS	1	14	14	Engineer's Estimate - First estimate 10 hrs + 1 updates at 4 hrs each = 14 hrs
4.18	Technical Special Provisions	LS	1	0	0	N/A
4.19	Other Roadway Analyses	LS	1	0	0	N/A
<b>Roadway Analysis Technical Subtotal</b>					<b>190</b>	

**Project Activity 4: Roadway Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.20	Field Reviews	LS	1	8	8	1 Field Review * (4 hours x 2 staff)
4.21	Monitor Existing Structures	LS	1	0	0	N/A
4.22	Technical Meetings	LS	1	0	0	Meetings are listed below
4.23	Quality Assurance/Quality Control	LS	%	5%	10	
4.24	Independent Peer Review	LS	%	0%	0	N/A
4.25	Supervision	LS	%	5%	10	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>28</b>	
4.26	Coordination	LS	%	3%	7	
<b>4. Roadway Analysis Total</b>					<b>225</b>	

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		0
Work Zone Traffic Control	EA	0	0	0		0
60% and 90% Technical / Comment Review Meetings	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>0</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by County)	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>	--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 4.17

Carries to Tab 3

**Project Activity 5: Roadway Plans**

Estimator:

Indian Rocks Road Reconstruction (Phase I)

PW-19.3

Representing	Print Name	Signature / Date
Town of Belleair		
Consultant Name: RS&H		

**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	2	2	
5.2	Summary of Pay Items Including Quantity Input		Sheet	1	4	4	
5.3	Typical Section Sheets						
5.3.1	Typical Sections		EA	2	3	6	Roadway Typical & Shared Use Path
5.3.2	Typical Section Details		EA	1	2	2	Utility Details Provided by Town
5.4	General Notes/Pay Item Notes		Sheet	1	1	1	
5.5	Summary of Quantities Sheets		Sheet	0	0	0	N/A
5.6	Project Layout		Sheet	0	0	0	N/A
5.7	Plan/Profile Sheet		Sheet	0	0	0	N/A
5.8	Profile Sheet		Sheet	6	3	34	6 Sheets @ 3 hrs per sheet (40' scale) + 16 hrs for back of sidewalk profile
5.9	Plan Sheet		Sheet	6	3	18	6 Sheets @ 3 hrs per sheet (40' scale)
5.10	Special Profile		Sheet	1	4	4	Curb Return Profiles
5.11	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	N/A - Included in Tab 5.8
5.12	Interchange Layout Sheet		Sheet	0	0	0	N/A
5.13	Ramp Terminal Details (Plan View)		Sheet	0	0	0	N/A
5.14	Intersection Layout Details		Sheet	0	0	0	N/A
5.15	Special Details		EA	0	0	0	N/A

**Project Activity 5: Roadway Plans**

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.16	Cross-Section Pattern Sheet(s)		Sheet	0	0	0	N/A
5.17	Roadway Soil Survey Sheet(s)		Sheet	1	0	0	N/A
5.18	Cross Sections		EA	32	0.25	8	3,186 ft/ 100 ft = 32
5.19	Temporary Traffic Control Plan Sheets		Sheet	0	0	0	N/A
5.20	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	N/A
5.21	Temporary Traffic Control Detail Sheets		Sheet	1	2	2	TTCP General Notes
5.22	Utility Adjustment Sheets		Sheet	6	3	18	
5.23	Selective Clearing and Grubbing Sheet(s)						N/A
5.23.1	Selective Clearing and Grubbing		Sheet	0	0	0	N/A
5.23.2	Selective Clearing and Grubbing Details		Sheet	0	0	0	N/A
5.24	Tree Disposition Sheet(s)						
5.24.1	Tree Disposition Plan Sheet(s)		Sheet	1	0	0	N/A
5.24.2	Tree Disposition Plan Tables and Schedules		Sheet	1	0	0	N/A
5.25	Project Network Control Sheet(s)		Sheet	1	1	1	
5.26	Environmental Detail Sheets		Sheet	0	0	0	N/A
5.27	Utility Verification Sheet(s) (SUE Data)		Sheet	1	0	0	
<b>Roadway Plans Technical Subtotal</b>						<b>100</b>	
5.28	Quality Assurance/Quality Control		LS	%	5%	5	
5.29	Supervision		LS	%	5%	5	
<b>5. Roadway Plans Total</b>						<b>110</b>	

**Project Activity 6a: Drainage Analysis**

Estimator:

Indian Rocks Road Reconstruction (Phase I)

PW-19.3

Representing	Print Name	Signature / Date
Town of Belleair		
Consultant Name: RS&H		

*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	2	4	8	
6a.2	Base Clearance Report	Per Location	0	0	0	NA
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	NA
6a.4	Design of Cross Drains	EA	0	0	0	NA
6a.5	Design of Ditches	Per Ditch Mile	1	0	0	NA
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	NA
6a.7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond)	Per Cell	0	0	0	NA
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	0	0	0	NA
6a.9	Design of Storm Drains	EA	17	2.5	43	Assume 1 inlet for each side of the road every 300 lf. Assume that minimal gutter grade of 0.3% will be achieved.
6a.10	Optional Culvert Material	EA	0	0	0	
6a.11	French Drain Systems	Per Cell	0	0	0	NA
6a.12	Drainage Wells	EA	0	0	0	NA
6a.13	Drainage Design Documentation Report	LS	1	20	20	Short technical memorandum. Will include closed collection system calculations as attachment.
6a.14	Bridge Hydraulic Report	EA	0	0	0	NA

**Project Activity 6a: Drainage Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	4	4	
6a.16	Cost Estimate	LS	1	0	0	NA
6a.17	Technical Special Provisions	LS	0	0	0	NA
6a.18	Other Drainage Analysis	LS	1	0	0	NA
<b>Drainage Analysis Technical Subtotal</b>					<b>75</b>	
6a.19	Field Reviews	LS	1	6	6	Field review hours include documentation of visit and photographs
6a.20	Technical Meetings	LS	1	9	9	Pre-app meeting with SWFWMD plus meetings with Town of Belleair
6a.21	Environmental Look-Around (ELA) Meeting	LS	1	0	0	N/A
6a.22	Quality Assurance/Quality Control	LS	%	5%	4	
6a.23	Independent Peer Review	LS	%	0%	0	NA
6a.24	Supervision	LS	%	5%	4	
<b>Drainage Analysis Nontechnical Subtotal</b>					<b>23</b>	
6a.25	Coordination	LS	%	3%	3	
<b>6a. Drainage Analysis Total</b>					<b>101</b>	

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	3	3	yes	0
Local Governments (cities, counties)	EA	2	3	6	yes	0
FDOT Drainage	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
<b>Subtotal Technical Meetings</b>				<b>9</b>		<b>0</b>
Progress Meetings (if required by County)	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	--
<b>Total Meetings</b>				<b>9</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 6.19

Carries to Tab 3

**6b. Drainage Plans**

Estimator:

Indian Rocks Road Reconstruction (Phase I)

PW-19.3

Representing	Print Name	Signature / Date
Town of Belleair		
Consultant Name: RS&H		

*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	2	24	48	
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	NA
6b.3	Summary of Drainage Structures		Sheet	1	24	24	
6b.4	Optional Pipe/Culvert Material		Sheet	0	0	0	
6b.5	Drainage Structure Sheet(s) (Per Structure)		EA	17	2.5	43	
6b.6	Miscellaneous Drainage Detail Sheets		Sheet	0	0	0	NA
6b.7	Lateral Ditch Plan/Profile		Sheet	0	0	0	NA
6b.8	Lateral Ditch Cross Sections		EA	0	0	0	NA
6b.9	Retention/Detention Ponds Detail Sheet(s)		Sheet	0	0	0	NA
6b.10	Retention Pond Cross Sections		EA	0	0	0	NA
6b.11	Erosion Control Plan Sheet(s)		Sheet	0	0	0	NA
6b.12	SWPPP Sheet(s)		Sheet	3	2	6	
<b>Drainage Plans Technical Subtotal</b>						<b>121</b>	
6b.13	Quality Assurance/Quality Control		LS	%	7%	8	
6b.14	Supervision		LS	%	5%	6	
<b>6. Drainage Plans Total</b>						<b>135</b>	

**Project Activity 7: Utilities**

Estimator:

Indian Rocks Road Reconstruction (Phase I)  
PW-19.3

Representing	Print Name	Signature / Date
Town of Belleair		
RS&H		

**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	N/A
7.2	Identify Existing Utility Agency Owners (UAO(s))	LS	1	0	0	N/A
7.3	Make Utility Contacts	LS	6	1	6	60% submittal to UAO's to allow UAO's to prepare draft RGB's and UWS and 100% submittal to finalize RGB's and UWS
7.4	Exception Processing	LS	0	0	0	N/A
7.5	Preliminary Utility Meeting	LS	0	0	0	N/A
7.6	Individual/Field Meetings	LS	1	0	0	N/A
7.7	Collect and Review Plans and Data from UAO(s)	LS	6	2	12	collect draft RGB and UWS at 60% design conference, collect 100% final UAO documents
7.8	Subordination of Easements Coordination	LS	1	0	0	N/A
7.9	Utility Design Meeting	LS	1	4	4	60% submittal - prepare meeting agenda, sign in sheet, schedule meeting, attendance, meeting minutes, UAO follow up
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	5	0	0	N/A
7.11	Utility Coordination/Followup	LS	1	6	6	6 UAO's x 1 hour each = 6
7.12	Utility Constructability Review	LS	5	0	0	N/A
7.13	Additional Utility Services	LS	0	0	0	N/A
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	0	0	0	N/A
7.15	Contract Plans to UAO(s)	LS	1	0	0	N/A
7.16	Certification/Close-Out	LS	1	0	0	N/A
7.17	Other Utilities	LS	1	20	20	Prepare utility relocation plans provided by the Town RGB's
<b>7. Utilities Total</b>					<b>48</b>	

**Project Activity 7: Utilities**

<b>Technical Meetings</b>	<b>Units</b>	<b>No of Units</b>	<b>Hours/ Unit</b>	<b>Total Hours</b>	<b>PM Attendance at Meeting Required?</b>	<b>Number</b>
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	1	0	0		0
Design Meeting (see 7.9)	EA	0	0	0	yes	4
Other Meetings ( <i>this is automatically added into Utilities Total (cell F27)</i> )	EA	0	0	0		0
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>4</b>

Carries to Tab 3

**Project Activity 8: Environmental Permits**

Estimator:

Indian Rocks Road Reconstruction (Phase I)

PW-19.3

Representing	Print Name	Signature / Date
Town of Belleair		
Consultant Name: RS&H		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Environmental Permits, Compliances and Clearances</b>						
8.1	Preliminary Project Research	LS	1	2	2	Review available GIS data. Collect and review existing permit documentation to assess previously permitted wetland impacts, mitigation, etc.
<b>Permits</b>						
8.2	<b>Field Work</b>					
8.2.1	Pond Site Alternatives	per pond site	0	0	0	N/A
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	0	0	N/A
8.2.3	Species Surveys	LS	1	0	0	N/A
8.2.4	Archeological Surveys	LS	1	0	0	N/A
8.3	Agency Verification of Wetland Data	LS	1	0	0	N/A
8.4	<b>Complete And Submit All Required Permit Applications</b>					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	0	0	N/A
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	N/A
8.5	Prepare Dredge and Fill Sketches (as needed)	LS	1	0	0	N/A
8.6	Prepare USCG Permit Sketches	LS	1	0	0	N/A
8.7	Prepare Water Management District Right-of-Way Occupancy Permit	LS	1	0	0	N/A
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	N/A
8.9	Prepare Tree Permit Information	LS	1	0	0	N/A
8.10	Mitigation Design	LS	1	0	0	N/A

**Project Activity 8: Environmental Permits**

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

**Project Activity 8: Environmental Permits**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.20	Coordination	LS	%	3%	1	
<b>8. Environmental Permits, Compliance and Clearances Total</b>					<b>13</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
WMD	EA	1	0	0	no	1
NMFS	EA	0	0	0		0
USACE	EA	0	0	0		0
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
<b>Subtotal Technical Meetings</b>				<b>0</b>	<b>Subtotal Project Manager Meetings</b>	<b>1</b>
Progress Meetings (if required by County)	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>	--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>1</b>

Carries to 8.18

Carries to Tab 3

**Project Activity 19: Signing and Pavement Marking Analysis**

Estimator: Chowdhury Haider

Indian Rocks Road Reconstruction (Phase I)

PW-19.3

Representing	Print Name	Signature / Date
Town of Belleair		
Consultant Name: RS&H		

*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	1	0	0	N/A
19.2	No Passing Zone Study	LS	1	0	0	N/A
19.3	Reference and Master Design File	LS	1	50	50	Project is 0.6 miles (3,186 ft) along Indian Rocks Road, two-lane undivided residential area with unsignalized intersections.
19.4	Multi-Post Sign Support Calculations	EA	0	0	0	N/A
19.5	Sign Panel Design Analysis	EA	0	0	0	N/A
19.6	Sign Lighting/Electrical Calculations	EA	0	0	0	N/A
19.7	Quantities	LS	3	2	6	Quantities are to be taken for the project as a whole project and at plan sheet level. Three submittals (90%, Final & S&S).
19.8	Cost Estimate	LS	3	0	0	
19.9	Technical Special Provisions	LS	1	0	0	
19.10	Other Signing and Pavement Marking	LS	1	0	0	
<b>Signing and Pavement Marking Analysis Technical Subtotal</b>					<b>56</b>	
19.11	Field Reviews	LS	1	4	4	Field trip (1 person X 1 trip X 4hrs/trip)
19.12	Technical Meetings	LS	2	2	4	
19.13	Quality Assurance/Quality Control	LS	%	5%	3	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	5%	3	
<b>Signing and Pavement Marking Analysis Nontechnical Subtotal</b>					<b>14</b>	
19.16	Coordination	LS	%	3%	2	
<b>19. Signing and Pavement Marking Analysis Total</b>					<b>72</b>	

**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 (Internal & County)	EA	0	0	0		0
	Queue Length Analysis	EA	0	0	0		0
	Local Governments (cities, counties)	EA	2	1	2		0
	Other Meetings	EA	2	1	2		
<b>Subtotal Technical Meetings</b>					<b>4</b>	<b>Subtotal Project Manager Meetings</b>	<b>0</b>
	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>	--
<b>Total Meetings</b>					<b>4</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 19.12

Carries to Tab 3

**Project Activity 20: Signing and Pavement Marking Plans**

Estimator: Chowdhury Haider

Indian Rocks Road Reconstruction (Phase I)

PW-19.3

Representing	Print Name	Signature / Date
Town of Belleair		
Consultant Name: RS&H		

**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	0	0	0	0	N/A
20.2	Summary of Pay Items Including TRNS•Port Input		LS	0	0	0	0	N/A
20.3	Tabulation of Quantities		Sheet	0	0	0	0	N/A
20.4	General Notes/Pay Item Notes		Sheet	1	4	1	4	General notes for signing and pavement marking
20.5	Project Layout		Sheet	0	0	0	0	N/A
20.6	Plan Sheet	1" = 40'	Sheet	6	3	6	18	6 Plan sheets @ 3 hours/plan sheet
20.7	Typical Details		EA	0	0	0	0	N/A
20.8	Guide Sign Worksheet(s)		EA	0	0	0	0	N/A
20.9	Traffic Monitoring Site		EA	0	0	0	0	N/A
20.10	Cross Sections		EA	0	0	0	0	N/A
20.11	Special Service Point Details		EA	0	0	0	0	N/A
20.12	Special Details		LS	1	0	0	0	N/A
20.13	Interim Standards		LS	1	0	0	0	N/A
<b>Signing and Pavement Marking Plans Technical Subtotal</b>						<b>7</b>	<b>22</b>	
20.14	Quality Assurance/Quality Control		LS	%	5%		1	
20.15	Supervision		LS	%	5%		1	
<b>20. Signing and Pavement Marking Plans Total</b>						<b>7</b>	<b>24</b>	

**27. Survey (McKim)**

Estimator:

Indian Rocks Road Reconstruction (Phase I)

PW-19.3

Representing	Print Name	Signature / Date
Town of Belleair		
Consultant Name: McKim & Creed		

**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)									Establish HPC NAD83/11
	2-Lane Roadway	Mile	0.60	1.67	1.00	1.00	1.00	4.00	4.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.2	Vertical PC / Bench Line									Establish VPC NAVD88
	2-Lane Roadway	Mile	0.60	2.50	1.50	1.00	1.50	4.00	6.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.3	Alignment and Existing R/W Lines									Establish approximate R/W. Project alignment will be calculated only and not monumented in field
		Mile	0.60	5.00	3.00	1.00	3.00	5.00	15.00	
27.4	Aerial Targets			Units/Day						N/A
	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						N/A
	2-Lane Roadway	EA	0.00	0.00	0.00	0.00	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 (McKim)**

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)	Mile	0.60	8.33	5.00	1.00	5.00	4.00	20.00	Project topography R/W to R/W. Limits to match provided project kmz
27.7	Planimetric (2D)	Mile			0.00		0.00		0.00	
27.8	Roadway Cross-Sections/Profiles	Mile			0.00		0.00		0.00	N/A
27.9	Side Street Surveys	Mile	6.00	0.50	3.00	1.00	3.00	4.00	12.00	6 intersecting sideroads
27.10	Underground Utilities	Mile/Site			0.00		0.00		0.00	N/A
	Designates	Mile/Site			0.00		0.00		0.00	
	Locates	Point			0.00		0.00		0.00	
	Survey		0%	0.00	0.00		0.00		0.00	
27.11	Outfall Survey	Mile			0.00		0.00		0.00	N/A
27.12	Drainage Survey	EA		Units/Day	0.00		0.00		0.00	N/A
27.13	Bridge Survey	EA			0.00		0.00		0.00	N/A
27.14	Channel Survey	EA			0.00		0.00		0.00	N/A
27.15	Pond Site Survey	EA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
27.16	Mitigation Survey	Mile			0.00		0.00		0.00	N/A
27.17	Jurisdiction Line Survey	Mile			0.00		0.00		0.00	N/A
27.18	Geotechnical Support			Units/Day						N/A

**27. Survey (McKim)**

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
		EA			0.00		0.00		0.00	
27.19	Sectional / Grant Survey									
		Corner			0.00		0.00		0.00	N/A
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									
		Block			0.00		0.00		0.00	N/A
27.21	Maintained R/W									
		Mile			0.00		0.00		0.00	N/A
27.22	Boundary Survey									
		EA			0.00		0.00		0.00	N/A
27.23	Water Boundary Survey									
		EA			0.00		0.00		0.00	N/A
27.24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	N/A
		Mile			0.00		0.00		0.00	
27.25	R/W Monumentation									
		Point			0.00		0.00		0.00	N/A
27.26	Line Cutting									
		Mile			0.00					N/A
27.27	Work Zone Safety									
			0.000	0	0.00					
27.28	Miscellaneous Surveys									
	Field work to create the sketch and descriptions		0.00	0	0.00	0.00	0.00	0.00	0.00	N/A
<b>Survey Subtotal</b>				<b>Crew Days</b>	<b>14</b>	<b>Field Support Hours</b>	<b>14</b>	<b>Office Support Hours</b>	<b>57</b>	
27.29	Supplemental Surveys									
				0	0		0		0	THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
27.30	Document Research	Units								
			0.00						0	

**27. Survey (McKim)**

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
27.31	Field Reviews	Units								Meet RS&H and County representaives in the field one time.
			0.00						0	
27.32	Technical Meetings	LS								
			0.00						0	
27.33	Quality Assurance / Quality Control	LS						5%	3	
27.34	Supervision	LS						5%	4	
27.35	Coordination	LS						3%	2	
<b>27. Survey Total</b>				<b>Crew Days</b>	<b>14</b>	<b>Field Support Hours</b>	<b>14</b>	<b>Office Support Hours</b>	<b>65</b>	

SPLS =  
 PLS =  
 Office Support =  
 Total Hours = 79

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
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
<b>Subtotal Technical Meetings</b>				<b>0</b>	<b>Subtotal PM Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	**	--
Phase Review Meetings	EA	0	0	0	**	--
<b>Total Meetings</b>				<b>0</b>	<b>Total PM Mtgs (carries to Tab 3)</b>	<b>0</b>

Carries to 27.32

Carries to Tab 3

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