

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

**Name of Project:** Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)  
**County:** Pinellas  
**PID No:**

**CITY OF CLEARWATER**

**Consultant Name:** Burgess & Niple

**Date:** 8/5/2022  
**Estimator:** Bryan Anderson

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Chief Eng 1	PM 2	Sen Eng 1	Engineer 1	Engineer Intern	Chief Designer	Designer	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH	Salary	Average
		By Activity	Cost By Activity	Rate Per Task												
3. Project General and Project Common Tasks	63	1	25	6	13	0	13	5	0	0	0	0	0	63	\$11,973.00	\$190.05
3. Project General and Project Common Tasks - POST DESIGN	56	1	23	6	11	0	11	4	0	0	0	0	0	56	\$10,753.00	\$192.02
4. Roadway Analysis	200	4	20	0	40	80	56	0	0	0	0	0	0	200	\$29,076.00	\$145.38
5. Roadway Plans	139	3	14	0	14	83	25	0	0	0	0	0	0	139	\$18,673.00	\$134.34
6a. Drainage Analysis	122	2	25	0	0	49	46	0	0	0	0	0	0	122	\$19,121.00	\$156.73
6b. Drainage Plans	74	1	15	0	0	22	36	0	0	0	0	0	0	74	\$12,127.00	\$163.88
7. Utilities	35	1	4	0	0	26	4	0	0	0	0	0	0	35	\$4,487.00	\$128.20
8. Environmental Permits B&N	6	0	2	2	0	1	1	0	0	0	0	0	0	6	\$1,146.00	\$191.00
<b>Total Staff Hours</b>	695	13	128	14	78	261	192	9	0	0	0	0	0	695		
<b>Total Staff Cost</b>		\$3,341.00	\$29,184.00	\$2,912.00	\$11,154.00	\$26,361.00	\$33,216.00	\$1,188.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		<b>\$107,356.00</b>	<b>\$154.47</b>

Check = \$107,356.00

<b>B&amp;N Design &amp; Permitting (LS):</b>	<b>\$96,728.00</b>
Sub-Consultants	
WSP (LS):	\$0.00
TIERRA (LS):	\$0.00
ESA (LS):	\$2,501.00
VALERIN (TM):	\$4,806.75
Sub Consultant Summary:	\$7,307.75
<b>B&amp;N Post Design Services (T&amp;M)</b>	<b>\$10,753.00</b>
Optional Services (WSP)	\$0.00
Contingency Services:	\$20,000.00
City Grand Total Fee:	\$134,788.75

<b>SUB TOTAL B&amp;N (LS)</b>					<b>\$96,603.00</b>
<b>SWFWMD General Permit Fee</b>					<b>\$125.00</b>
<b>TOTAL B&amp;N (LS)</b>					\$96,728.00
<b>SUBTOTAL ESTIMATED FEE:</b>					<b>\$96,728.00</b>
Subconsultant:	WSP (Structures)				\$0.00
Subconsultant:	Tierra (Geotechnical)				\$0.00
Subconsultant:	ESA (ENV Permitting)				\$2,501.00
Subconsultant:	Valerin (Public Involvement)				\$4,806.75
<b>TOTAL SUB CONSULTANT FEE:</b>					<b>\$7,307.75</b>
<b>Post Design Services (B&amp;N) (T&amp;M)</b>					<b>\$10,753.00</b>
<b>Optional Services (WSP) (LS)</b>					<b>\$0.00</b>
<b>Contingency Services:</b>					<b>\$20,000.00</b>
<b>GRAND TOTAL ESTIMATED FEE:</b>					<b>\$134,788.75</b>

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

**Name of Project:** Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)  
**County:** Pinellas  
**PID No:** 003898A

**Consultant Name:** Valerin

BASIC SERVICES

**Date:** 8/5/2022  
**Estimator:** Valerie Ciudad-Real

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Community Outreach Specialist	Graphic Designer	Multimedia Specialist	-	-	-	-	-	-	-	-	SH	Salary	Average	
		\$123.50	\$113.25	\$113.25	\$143.00	\$101.00	\$173.00	\$132.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	By Activity	Cost By Activity	Rate Per Task
3. Project General and Project Common Tasks (VAL)	40	27	10	3	0	0	0	0	0	0	0	0	0	40	\$4,806.75	\$120.17
<b>Total Staff Hours</b>	40	27	10	3	0	0	0	0	0	0	0	0	0	40		
<b>Total Staff Cost</b>		\$3,334.50	\$1,132.50	\$339.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		<b>\$4,806.75</b>	<b>\$120.17</b>

Check = \$4,806.75

Survey Field Days by Subconsultant 4 - Person Crew:
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**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.

SALARY RELATED COSTS:					<b>\$4,806.75</b>
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)		4-person crew days @	\$ -	/ day	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>					<b>\$4,806.75</b>
Subconsultant: WSP (Structures)					\$0.00
Subconsultant: Tierra (Geotechnical)					\$0.00
Subconsultant: ESA (ENV Permitting)					\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>					<b>\$0.00</b>
<b>GRAND TOTAL ESTIMATED FEE:</b>					<b>\$4,806.75</b>

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

**Name of Project:** Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)  
**County:** Pinellas  
**PID No:** 003898A

**Consultant Name:** ESA

BASIC SERVICES

**Date:** 8/5/2022  
**Estimator:** Ryan Horstman

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager 3	Senior Env. Specialist	Senior Scientist 2	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	Staff Classification 13	SH	Salary	Average
														By Activity	Cost By Activity	Rate Per Task
8. Environmental Permits, and Env. Clearances	16	1	9	6	0	0	0	0	0	0	0	0	0	16	\$2,501.00	\$156.31
<b>Total Staff Hours</b>	16	1	9	6	0	0	0	0	0	0	0	0	0	16		
<b>Total Staff Cost</b>		\$263.00	\$1,422.00	\$816.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		<b>\$2,501.00</b>	<b>\$156.31</b>

Check = \$2,501.00

Survey Field Days by Subconsultant 4 - Person Crew:
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**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.

SALARY RELATED COSTS:				\$2,501.00
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)		4-person crew days @	\$ - / day	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>				
Subconsultant: WSP (Structures)				\$0.00
Subconsultant: Tierra (Geotechnical)				\$0.00
Subconsultant: ESA (ENV Permitting)				<b>\$2,501.00</b>
<b>SUBTOTAL ESTIMATED FEE:</b>				<b>\$0.00</b>
<b>Post Design Services (B&amp;N)</b>				<b>\$0.00</b>
<b>Optional Services (WSP)</b>				<b>\$0.00</b>
<b>Optional Services (Tierra)</b>				<b>\$0.00</b>
<b>GRAND TOTAL ESTIMATED FEE:</b>				<b>\$2,501.00</b>

**Project Activity 3: General Tasks**

Estimator: Bryan Anderson

Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)

003898A

Representing	Print Name	Signature / Date
City of Clearwater		
Burgess & Niple	Bryan Anderson	

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

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
<b>3.1</b>	<b>Public Involvement</b>					
3.1.1	Public Involvement Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	By County
3.1.3	Preparing Mailing Lists	LS	1	0	0	By County
3.1.4	Median Modification Letters	LS	1	0	0	N/A
3.1.5	Driveway Modification Letters	LS	1	0	0	By County
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	7	7	Powerpoint presentation support for public meeting
3.1.9	Public Meeting Preparations	LS	1	4	4	Roll plot
3.1.10	Public Meeting Attendance/Followup	LS	1	4	4	Follow up meeting with City/County
3.1.11	Other Agency Meetings	LS	1	4	4	Misc meeting with City/County
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>19</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	0	0	Covered by County
3.4	Contract Maintenance and Project Documentation	LS	1	28	28	4 hrs set up + (2 hrs/month X 12 months); includes invoicing, progress reports and schedule updates
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	8	8	See listing below
3.7	Plans Update	LS	1	0	0	
3.8	Post Design Services	LS	1	0	0	Separate Sheet since this is a Time and Materials, not lump sum
3.9	Digital Delivery	LS	1	8	8	60% / 90% / 100%
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.11.1	Aeronautical Evaluation	LS	1	0	0	
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	
3.13	Other Project General Tasks	LS	1	0	0	
<b>3. Project Common and Project General Tasks Total</b>					<b>63</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	2	2	4 progress meetings x 2 hr = 8 hr
	Drainage	EA	1	2	2	
	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	1	4	4	1 hr x 4 meetings = 4 hr
	Field Reviews	EA	0	0	0	
	<b>Total Project Manager Meetings</b>		3		8	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: Valerie Ciudad-Real

Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)

003898A

Representing	Print Name	Signature / Date
City of Clearwater		
Valerin	Valerie Ciudad-Real	

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

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Public Involvement Plan	LS	1	8	8	Valerin will develop a Public Involvement Plan (PIP) including project background, goals, and identification of stakeholder and outreach activities. The PIP will updated as needed.
3.1.2	Notifications	LS	0	0	0	Done by County
3.1.3	Preparing Mailing Lists	LS	0	0	0	Done by County
3.1.4	Median Modification Letters	LS	0	0	0	N/A
3.1.5	Driveway Modification Letters	LS	0	0	0	Done by County
3.1.6	Handouts Preparation	LS	1	3	3	Valerin will prepare a project handout for County.
3.1.7	Renderings and Fly Throughs	LS	0	0	0	N/A
3.1.8	PowerPoint Presentation	LS	1	16	16	Valerin will prepare a PowerPoint presentation for use in one (1) virtual public meeting. Includes development of slides, script and voiceover, as well as coordination and review of slides by the County.
3.1.9	Public Meeting Preparations	LS	1	6	6	Valerin to coordinate/prepare for one (1) virtual public meeting. Tasks include preparation of press release, agenda, introduction video, and one (1) practice related to virtual component of the meeting with the County and Consultant staff. The County will be responsible for issuing press release and meeting announcements as well as setting up registration page and link for the virtual meeting.
3.1.10	Public Meeting Attendance/Followup	LS	1	7	7	Valerin's tasks include attendance at the virtual meeting and preparation of a Comments and Coordination Report documenting public involvement activities conducted and public comments received during the public meeting. Task also includes preparation of additional public correspondence. (2 participants + 1 hr prep + 2 hr meeting + 2 hrs for follow up to meeting = 10 hrs) + 10 hrs Comments and Coordination Report and additional correspondence.
3.1.11	Other Agency Meetings	LS	0	0	0	N/A (Burgess & Niple will only be attending)
3.1.12	Web Site	LS	0	0	0	N/A
<b>3.1 Public Involvement Subtotal</b>					<b>40</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	0	0	
3.4	Contract Maintenance and Project Documentation	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	
3.7	Plans Update	LS	1	0	0	
3.8	Post Design Services	LS	1	0	0	
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.11.1	Aeronautical Evaluation	LS	1	0	0	

**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>
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	
3.13	Other Project General Tasks	LS	1	0	0	
<b>3. Project Common and Project General Tasks Total</b>					<b>40</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	0	2	0	
	Drainage	EA	1	2	2	
	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	4	0	
	Field Reviews	EA	0	0	0	
	<b>Total Project Manager Meetings</b>		1		2	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: Bryan Anderson

Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)

003898A

Representing	Print Name	Signature / Date
City of Clearwater		
Burgess & Niple	Bryan Anderson	

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

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	Preparing 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	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>0</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	0	16	0	
3.4	Contract Maintenance and Project Documentation	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	
3.7	Plans Update	LS	1	0	0	
3.8	Post Design Services	T&M	1	56	56	Pre Const Meeting shop drawing review; RFIs field investigations Attend 2 construction meetings certification / close out; Develop Record Drawings
3.9	Digital Delivery	LS	0	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.11.1	Aeronautical Evaluation	LS	1	0	0	

**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>
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	
3.13	Other Project General Tasks	LS	1	0	0	
<b>3. Project Common and Project General Tasks Total</b>					<b>56</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	0	2	0	
	Drainage	EA	0	2	0	
	Utilities	EA	0	2	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	4	0	
	Field Reviews	EA	0	0	0	
	<b>Total Project Manager Meetings</b>		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: Bryan Anderson

Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)

003898A

Representing	Print Name	Signature / Date
City of Clearwater		
Burgess & Niple	Bryan Anderson	

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

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Analysis	LS	1	4	4	Brentwood Drive from S. Duncan Avenue to Woodcrest Ave = 1 hr Brentwood Drive from Keene Road to Brookside Drive = 2 hr Brookside Drive from Lakeview Road to Beverly Circle = 1 hr for reevaluation
4.2	Pavement Type Selection Report	LS	1	0	0	NA
4.3	Pavement Design Package	LS	2	3	6	Pavement design for: Brentwood Drive from S. Duncan Avenue to Woodcrest Ave = 3 hr Brentwood Drive from Keene Road to Brookside Drive = 3 hr
4.4	Cross-Slope Correction	LS	1	3	3	Includes all work necessary to analyze existing cross-slopes and develop cross-slope correction concepts. Analysis of existing cross-slopes: LS based on 1 to 4 hours per lane-mile;  Brentwood Drive from S. Duncan Avenue to Woodcrest Avenue = 935' (0.18 mile) Brentwood Drive from Keene Road to Brookside Drive = 795' (0.15 mile) Brookside Drive from Brentwood Drive to Beverly Circle (50% only) = 165' (0.03 mile)  Development of cross-slope correction concepts: Total LF 1,895' = 0.36 mile X 2 lanes X 4 hrs/mile = 3 hrs
4.5						Work involves establishing the master design files for the horizontal and vertical geometry, drainage structure features, utilities (including conflict location identification and adjustments).  Total roadway length as part of the project:  <b>Brentwood Drive from S. Duncan Avenue to Woodcrest Avenue = 935' (0.18 mile)</b> Proposed improvements include new stormwater trunk system between Woodcrest Ave and Woodside Ave associated with new stormwater outfall from Lakeview Road, and replacement of existing underdrain. Improvements also include milling and resurfacing (2-inches) with restoration of 2% cross slopes. Full reconstruction within stormwater trunk system limits (345' = 0.06 mi) Milling and resurfacing the remainder (500' = 0.09 mi).  <b>Brentwood Drive from Keene Road to Brookside Drive = 795' (0.15 mile)</b> Proposed improvements include new stormwater infrastructure (connects to outfall system along Brookside Drive)

**Project Activity 4: Roadway Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	Horizontal /Vertical Master Design Files	LS	1	57	57	<p>from Keene Road to Brookside Drive. Total roadway length will be impacted from installation of new storm sewer infrastructure, assume full reconstruction of roadway pavement structure (including restoration of cross slope) to meet City standards. Full reconstruction length = 0.15 mile</p> <p><b>Brookside Drive from Brentwood Drive to Beverly Circle (50% only) = 165' (0.03 mile)</b> Proposed improvements include new stormwater infrastructure (outfall system from Lakeview Road) from Lakeview Road to Beverly Circle. Replace all existing underdrain (includes small section along south side of western leg of Beverly Circle). Total roadway length will be impacted from installation of new storm sewer infrastructure, assume full reconstruction of roadway pavement structure (including restoration of cross slope) to meet City standards. Full reconstruction length = 0.03 mile</p> <p>Total reconstruction length = 0.06 + 0.15 + 0.03 = 0.24 miles X 200 hours/mile = 48 hrs Total milling and resurfacing length = 0.09 miles X 100 hours/mile = 9 hrs Total hours = 48 hrs + 9 hrs = 57 hrs</p>
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	19	19	<p>Per FDOT guidelines average hours for low range project 40-110 hrs per mile @ 100 ft cross sections; use 50 hrs per mile for 50 ft cross sections (update for utilities and earth work);</p> <p>Brentwood Drive from S. Duncan Avenue to Woodcrest Avenue = 935' (0.18 mile X 50 hrs/mi = 9 hrs) Brentwood Drive from Keene Road to Brookside Drive = 795' (0.15 mile X 50 hrs/mi = 8 hrs) Brookside Drive from Brentwood Drive to Beverly Circle (50% only) = 165' (0.03 mile X 50 hrs/mi = 2 hrs)</p> <p>Total = 19 hrs</p>
4.10	Traffic Control Plan Analysis	LS	1	5	5	<p>Level 2: FDOT range 40-60 hrs;</p> <p>Brentwood Drive from S. Duncan Avenue to Woodcrest Avenue = 2 hrs; Brentwood Drive from Keene Road to Brookside Drive = 2 hrs; Brookside Drive from Brentwood Drive to Beverly Circle (50% only) = 1 hrs;</p>
4.11	Master TTCP Design Files	LS	1	29	29	<p>Level 2 32-48 hrs per mile per phase (using 2 phases); Total roadway length = 1,895' = 0.36 miles = 0.36 MI X 40 HRS X 2 PHASE = 29 HRS</p>
4.12a	Selective Clearing and Grubbing of Existing VegetationField Assessment	LS	1	0	0	N/A
4.12b	Selective Clearing and Grubbing Site Inventory of Existing Vegetation and Cross-Discipline Coordination (OPTIONAL SERVICES)	LS	1	0	0	N/A
4.12c	Selective Clearing and Grubbing- Existing Vegetation Maintenance Report	LS	1	0	0	N/A
4.13	Tree Dispostion Plan	LS	1	0	0	N/A
4.14	Design Variations and Exceptions	LS	1	0	0	N/A

**Project Activity 4: Roadway Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.15	Design Report	LS	1	0	0	N/A: Performed in the PER phase
4.16	Quantities	LS	1	9	9	60% submittal; 90% submittal; Final submittal
4.17	Cost Estimate	LS	1	7	7	60% submittal; 90% submittal; Final submittal
4.18	Technical Special Provisions and Modified Special Provisions	LS	1	2	2	Preparation of specifications
4.19	Other Roadway Analyses	LS	1	24	24	Intersection grading analysis needed to harmonize proposed cross slope correction intersections as follows: Brentwood Dr/S. Duncan Ave Brentwood Dr/Keene Rd Brentwood Dr/Brookside Dr Brookside Dr/Beverly Circle  Assume 6 hrs/location = 4 X 6 hrs = 24 hrs
<b>Roadway Analysis Technical Subtotal</b>					<b>165</b>	

**Project Activity 4: Roadway Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.20	Field Reviews	LS	1	6	6	1 field investigation = 2 staff X (2 hr field + 1 hr documentation) = 6 hrs
4.21	Monitor Existing Structures	LS	1	0	0	N/A
4.22	Technical Meetings	LS	1	7	7	Meetings are listed below
4.23	Quality Assurance/Quality Control	LS	%	5%	8	
4.24	Independent Peer Review	LS	%	0%	0	
4.25	Supervision	LS	%	5%	8	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>29</b>	
4.26	Coordination	LS	%	3%	6	
<b>4. Roadway Analysis Total</b>					<b>200</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	2	0		no	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	4	4	Meeting with City of Clearwater	yes	1
Work Zone Traffic Control	EA	0	0	0			0
30/60/90/100% Comment Review Meetings	EA	3	1	3	PPT review meetings (60/90/100)	no	0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>7</b>		<b>Subtotal Project Manager Meetings</b>	<b>1</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 (PER draft & final)	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--
<b>Total Meetings</b>				<b>7</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>1</b>

Carries to 4.17

Carries to Tab 3

**Project Activity 5: Roadway Plans**

Estimator: Bryan Anderson

Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)

003898A

Representing	Print Name	Signature / Date
City of Clearwater		
Burgess & Niple	Bryan Anderson	

**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	0	0	No update, completed during PER;
5.2	Summary of Pay Items Including Quantity Input		Sheet	1	0	0	
5.3	Typical Section Sheets						
5.3.1	Typical Sections		EA	2	6	12	1 - Brentwood Drive from S. Duncan Avenue to Woodcrest Avenue 1 - Brentwood Drive from Keene Road to Brookside Drive
5.3.2	Typical Section Details		EA	0	0	0	N/A
5.4	General Notes/Pay Item Notes		Sheet	1	0	0	No update for Lakeview Rd, completed during PER;
5.5	Summary of Quantities Sheets		Sheet	0	0	0	N/A
5.6	Project Layout		Sheet	1	1	1	Updated for new roadway limits
5.7	Plan/Profile Sheet	1"=40"	Sheet	4	6	24	Work includes all plan labeling not included in Master Design File Total Length = 1,895' X (1 sheet/560') = 4 sheets 60% = 4 sheets X 3 hrs/sheet = 13 hrs 90% = 4 sheets X 2 hrs/sheet = 8 hrs 100% = 4 sheets X 1 hr/sheet = 4 hrs Total = 25 hrs
5.8	Profile Sheet		Sheet	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
5.9	Plan Sheet		Sheet	4	0	0	N/A
5.10	Special Profile		Sheet	0	0	0	N/A
5.11	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	N/A
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	4	4	16	Intersection detail sheets as follows: Brentwood Dr/S. Duncan Ave Brentwood Dr/Keene Rd Brentwood Dr/Brookside Dr Brookside Dr/Beverly Circle  Assume 4 hrs/location
5.15	Special Details		EA	0	0	0	N/A
5.16	Cross-Section Pattern Sheet(s)		Sheet	0	0	0	N/A
5.17	Roadway Soil Survey Sheet(s)		Sheet	0	0	0	N/A
5.18	Cross Sections		EA	73	0.25	18	Includes sheet set up and labeling Roadway sections = total length = 1,895' X 1 XS/50 feet = 38 sections <u>Driveways</u> Brentwood Drive from S. Duncan Avenue to Woodcrest Avenue = 15 Brentwood Drive from Keene Road to Brookside Drive = 18 Brookside Drive from Brentwood Drive to Beverly Circle = 2 (4 total, 50/50 with City)  35 driveway sections  Total Sections = 38 + 35 = 73
5.19	Temporary Traffic Control Plan Sheets		Sheet	8	4	32	4 roadways @ 2 phases @ 1895'; 560' per sheet (40' scale) = 4 sheets X 2 phase = 8 sheets.
5.20	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	N/A
5.21	Temporary Traffic Control Detail Sheets		Sheet	1	5	5	1 detail sheet

**Project Activity 5: Roadway Plans**

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.22	Utility Adjustment Sheets		Sheet	4	4.5	18	9 facilities X 0.5 hr/sheet = 4.5 hrs/sheet (1,895' @ 560'/sheet @ 40 scale = 4 sheets)
5.23	Selective Clearing and Grubbing Sheet(s)						
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	0	0	0	N/A
5.24.2	Tree Disposition Plan Tables and Schedules		Sheet	0	0	0	N/A
5.25	Project Control Sheet(s)		Sheet	0	0	0	N/A
5.26	Environmental Detail Sheets		Sheet	0	0	0	N/A
5.27	Utility Verification Sheet(s) (SUE Data)		Sheet	1	1	1	Task 1 - Data from County survey;
<b>Roadway Plans Technical Subtotal</b>						<b>127</b>	
5.28	Quality Assurance/Quality Control		LS	%	5%	6	
5.29	Supervision		LS	%	5%	6	
<b>5. Roadway Plans Total</b>						<b>139</b>	

**Project Activity 6a: Drainage Analysis**

Estimator: Bryan Anderson

Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)

003898A

Representing	Print Name	Signature / Date
City of Clearwater		
Burgess & Niple	Bryan Anderson	

**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	1	10	10	Basin delineation for structures on the following roadways; assuming 0.5 hr/structure:  Brentwood Drive from S. Duncan Avenue to Woodcrest Ave = 1 X 0.5 hr = 0.5 hr Brentwood Drive from Keene Road to Brookside Drive = 10 X 0.5 hr = 5 hr Brookside Drive from Brentwood Drive to Beverly Circle = 2 X 0.5 hr = 1 hr (4 total structures, 50/50 County/City)  Added 2 structures for unknowns = 2 X 0.5 hr = 1 hrs Updating basins for watershed modeling; Existing and proposed = 2 conditions X 1 hrs = 2 hrs
6a.2	Base Clearance Calculations	Per Location	0	0	0	N/A
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	N/A
6a.4	Design of Cross Drains	EA	0	0	0	N/A
6a.5	Design of Ditches	Per Ditch Mile	1	0	0	No ditch design work is anticipated for City roadways.
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	N/A
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	0	N/A
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	0	0	0	N/A

**Project Activity 6a: Drainage Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.9	Design of Storm Drains	LS	1	54	54	Brentwood Drive from S. Duncan Avenue to Woodcrest Ave = 1 Brentwood Drive from Keene Road to Brookside Drive = 10 Brookside Drive from Brentwood Drive to Beverly Circle = 2 (4 total structures, 50/50 County/City)  Sub Total Structures = 13; Add 10% for unknowns = 2; Use 15 15 structures X 2 hours/structure = 30 hrs  Design of underdrain systems: Brentwood Drive from S. Duncan Avenue to Woodcrest Ave = 8 hrs Brentwood Drive from Keene Road to Brookside Drive = 8 hrs Brookside Drive from Lakeview Road to Beverly Circle = 8 hrs
6a.10	Optional Culvert Material	EA	0	0	0	N/A
6a.11	French Drain Systems	Per Cell	0	0	0	N/A
6a.11.a	Existing French Drain Systems	Per Cell	0	0	0	N/A
6a.12	Drainage Wells	EA	0	0	0	N/A
6a.13	Drainage Design Documentation Report	LS	1	13	13	Develop drainage design documentation report for permitting.
6a.14	Bridge Hydraulic Report	EA	0	0	0	N/A
6a.15	Temporary Drainage Analysis	LS	1	0	0	N/A
6a.16	Cost Estimate	LS	1	6	6	60% submittal; 90% submittal; Final submittal

**Project Activity 6a: Drainage Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.17	Technical Special Provisions / Modified Special Provisions	LS	1	0	0	N/A
6a.18	Hydroplaning Analysis	LS	1	0	0	N/A
6a.19	Existing Permit Analysis	LS	1	0	0	N/A
6a.20	Other Drainage Analysis	LS	1	20	20	Updating ICPR (v4) watershed model; 2 basins X 15 hrs/basin = 30 hrs
6a.21	Noise Barrier Evaluation	LS	1	0	0	N/A
<b>Drainage Analysis Technical Subtotal</b>					<b>103</b>	
6a.22	Field Reviews	LS	1	3	3	1 field investigation
6a.23	Technical Meetings	LS	1	2	2	Meetings are listed below
6a.24	Environmental Look-Around (ELA) Meeting	LS	1	0	0	N/A
6a.25	Quality Assurance/Quality Control	LS	%	5%	5	
6a.26	Independent Peer Review	LS	%	0%	0	
6a.27	Supervision	LS	%	5%	5	
<b>Drainage Analysis Nontechnical Subtotal</b>					<b>15</b>	
6a.28	Coordination	LS	%	3%	4	
<b>6a. Drainage Analysis Total</b>					<b>122</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	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	3	0			0
Local Governments (cities, counties)	EA	1	2	2	Meeting with City of Clearwater	yes	1
FDOT Drainage	EA	0	0	0			0
30/60/90/100% Comment Review Meetings	EA	0	2	0			0
<b>Subtotal Technical Meetings</b>				<b>2</b>			<b>1</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>2</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>1</b>

Carries to 6.19

Carries to Tab 3

**6b. Drainage Plans**

Estimator: Bryan Anderson

Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)

003898A

Representing	Print Name	Signature / Date
City of Clearwater		
Burgess & Niple	Bryan Anderson	

**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	5	5	Updates to Existing and Proposed Basin maps
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	N/A
6b.3	Summary of Drainage Structures		Sheet	1	12	12	15 structures @ 30 structures/sheet = 1 sheets X 12 hrs/sheet = 12 hrs
6b.4	Optional Pipe/Culvert Material		Sheet	0	0	0	N/A
6b.5	Drainage Structure Sheet(s) (Per Structure)		EA	20	2	40	Drainage structure sheets
6b.6	Miscellaneous Drainage Detail Sheets		Sheet	1	4	4	Outfall detail sheets for Pond 3;
6b.7	Lateral Ditch Plan/Profile		Sheet	1	4	4	Grading revisions for offsite structures along: Brentwood Dr - 1 sheet
6b.8	Lateral Ditch Cross Sections		EA	0	0	0	N/A
6b.9	Retention/Detention Ponds Detail Sheet(s)		Sheet	1	0	0	N/A
6b.10	Retention Pond Cross Sections		EA	1	0	0	N/A
6b.11	Erosion Control Plan Sheet(s)		Sheet	2	1.5	3	2 sheets at double stacked plan views
6b.12	SWPPP Sheet(s)		Sheet	0	0	0	N/A; Work completed during PER Phase;
<b>Drainage Plans Technical Subtotal</b>						<b>68</b>	

**6b. Drainage Plans**

6b.13	Quality Assurance/Quality Control		LS	%	5%	3	
6b.14	Supervision		LS	%	5%	3	
<b>6. Drainage Plans Total</b>						<b>74</b>	

**6b. Drainage Plans**

Original hrs = 16; 67/33 County/City

Original hrs = 12; 67/33 County/City

Original hrs = 10; 67/33 County/City



**Project Activity 7: Utilities**

Estimator: Bryan Anderson

Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)  
003898A

Representing	Print Name	Signature / Date
City of Clearwater		
Burgess & Niple	Bryan Anderson	

**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	Meeting is listed below
7.2	Identify Existing Utility Agency Owner(s)	LS	1	0	0	Performed by County
7.3	Make Utility Contacts	LS	1	0	0	Performed by County
7.4	Exception Processing	LS	1	0	0	
7.5	Preliminary Utility Meeting	LS	1	0	0	
7.6	Individual/Field Meetings	LS	1	1	1	
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	6	6	2 submittals (60 & 100) to UAOs; assume UAOs: Electric/City of Clearwater - Water and Sanitary/County - Water & Traffic/Gas/3 communications (Verzion, WOW, Spectrum) - 9 total facilities Assume 1 hrs X 9 facilities = 9
7.8	Subordination of Easements Coordination	LS	1	0	0	
7.9	Utility Design Meeting	LS	1	4	4	2 meetings (post-60% and pre 100%) X 2 ppl X (1 hr mtg + 2 hr prep)
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	0	0	Performed by County all phases
7.11	Utility Coordination/Followup	LS	1	4	4	Assist the County utility coordinator for resolving utility conflicts
7.12	Utility Constructability Review	LS	1	0	0	Performed by County

**Project Activity 7: Utilities**

7.13	Additional Utility Services	LS	1	0	0	Performed by County
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	
7.15	Contract Plans to UAO(s)	LS	1	0	0	Performed by County
7.16	Certification/Close-Out	LS	1	0	0	Performed by County
7.17	Other Utilities	LS	1	20	20	Develop and update utility matrix

**Project Activity 7: Utilities**

<b>7. Utilities Total</b>	<b>35</b>
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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			0
Preliminary Meeting (see 7.5)	EA	0	0	0			0
Individual UAO Meetings (see 7.6)	EA	0	3	0			0
Field Meetings (see 7.6)	EA	1	2	2	Assuming 1 field meeting to review utility conflicts	no	0
Design Meeting (see 7.9)	EA	0	0	0			0
Other Meetings <i>(this is automatically added into Utilities Total (cell F27))</i>	EA	0	0	0			0
<b>Total Meetings</b>				<b>2</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>0</b>

Carries to Tab 3

**Project Activity 8: Environmental Permits**

Estimator: Bryan Anderson

Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)

003898A

Representing	Print Name	Signature / Date
City of Clearwater		
ESA	Ryan Horstman	

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

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Environmental Permits and Environmental Clearances</b>						
8.1	Preliminary Project Research	LS	0	0	0	
<b>Permits</b>						
8.2	<b>Field Work</b>					
8.2.1	Pond Site Alternatives	per pond site	0	0	0	
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	0	8	0	
8.2.3	Species Surveys	LS	1	0	0	
8.3	Agency Verification of Wetland Data	LS	1	0	0	
8.4	<b>Complete And Submit All Required Permit Applications</b>					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	6	6	Prepare supplemental documentation for SWFWMD and FDEP 404 General Permit applications. Respond to two RAIs.
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	0	0	
8.6	Prepare USCG Permit Application	LS	1	0	0	
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	0	0	
8.10	Compensatory Mitigation Plan	LS	1	0	0	
8.11	Mitigation Coordination and Meetings	LS	1	0	0	
8.12	Other Environmental Permits	LS	1	0	0	

**Project Activity 8: Environmental Permits**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Environmental Clearances/Reevaluations					
8.13	Technical support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)					

**Project Activity 8: Environmental Permits**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.13.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.13.2	Archaeological and Historical Resources	LS	1	0	0	
8.13.3	Wetland Impact Analysis	LS	1	0	0	
8.13.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.13.5	Protected Speices and Habitat Impact Analysis	LS	1	0	0	
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	1	0	0	
8.14.2	Archaeological and Historical Resources	LS	1	0	0	
8.14.3	Wetland Impact Analysis	LS	1	0	0	
8.14.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.14.5	Protected Species and Habitat Impact Analysis	LS	1	0	0	
8.15	Contamination Impact Analysis	LS	1	0	0	
8.16	Asbestos Survey	LS	1	0	0	
<b>Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal</b>					<b>6</b>	
8.17	Technical Meetings	LS	1	0	0	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	5%	0	
8.19	Supervision	LS	%	5%	0	
<b>Environmental Permits and Environmental Clearances Nontechnical Subtotal</b>					<b>0</b>	
8.20	Coordination	LS	%	3%	0	
<b>8. Environmental Permits and Environmental Clearances Total</b>					<b>6</b>	

**Project Activity 8: Environmental Permits**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments		
Technical Meetings		Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
	WMD	EA	0	2	0			0
	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>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>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>0</b>

Carries to 8.18

Carries to Tab 3

**Project Activity 8: Environmental Permits**

Estimator: Bryan Anderson

Lakeview Rd & Keene Rd Intersection & Drainage Improvements (60%, 90% and 100% Plans and Permitting)

003898A

Representing	Print Name	Signature / Date
City of Clearwater		
ESA	Ryan Horstman	

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

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Environmental Permits and Environmental Clearances</b>						
8.1	Preliminary Project Research	LS	1	1	1	Background research and review of existing permits
<b>Permits</b>						
8.2	<b>Field Work</b>					
8.2.1	Pond Site Alternatives	per pond site	0	0	0	
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	4	4	Field delineation, conditions assessment, and general species review
8.2.3	Species Surveys	LS	1	0	0	
8.3	Agency Verification of Wetland Data	LS	1	2	2	Two field reviews (SWFWMD and FDEP 404)
8.4	<b>Complete And Submit All Required Permit Applications</b>					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	6	6	SWFWMD and FDEP 404 General Permit Application and associated support docs. Up to two RAIs.
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	0	0	
8.6	Prepare USCG Permit Application	LS	1	0	0	
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	0	0	
8.10	Compensatory Mitigation Plan	LS	1	0	0	
8.11	Mitigation Coordination and Meetings	LS	1	0	0	
8.12	Other Environmental Permits	LS	1	0	0	



**Project Activity 8: Environmental Permits**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Environmental Clearances/Reevaluations					
8.13	Technical support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)					

**Project Activity 8: Environmental Permits**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.13.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.13.2	Archaeological and Historical Resources	LS	1	0	0	
8.13.3	Wetland Impact Analysis	LS	1	0	0	
8.13.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.13.5	Protected Speices and Habitat Impact Analysis	LS	1	0	0	
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	1	0	0	
8.14.2	Archaeological and Historical Resources	LS	1	0	0	
8.14.3	Wetland Impact Analysis	LS	1	0	0	
8.14.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.14.5	Protected Species and Habitat Impact Analysis	LS	1	0	0	
8.15	Contamination Impact Analysis	LS	1	0	0	
8.16	Asbestos Survey	LS	1	0	0	
<b>Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal</b>					<b>13</b>	
8.17	Technical Meetings	LS	0	0	0	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	3%	3	
8.19	Supervision	LS	%	3%	0	
<b>Environmental Permits and Environmental Clearances Nontechnical Subtotal</b>					<b>3</b>	
8.20	Coordination	LS	%	3%	0	
<b>8. Environmental Permits and Environmental Clearances Total</b>					<b>16</b>	