

## Scott Boettcher

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**From:** Scott Severs <scott@jwmorrisette.com>  
**Sent:** Tuesday, October 18, 2016 1:19 PM  
**To:** mayorofbucoda@scattercreek.com; Scott Boettcher  
**Cc:** Steve Willie  
**Subject:** Bucoda Emergency Bypass Road Proposal for Professional Services  
**Attachments:** Bucoda Emergency Bypass Rd Exhibit A 2016-10-18.pdf; Bucoda Emergency Bypass Road 2016-10-18.pdf

To All,

Please find attached our proposal to provide professional services to conduct a feasibility study for a bypass road at the northerly end of Bucoda per your request.

Please feel free to contact me on my mobile if there are any questions.

Thank you,  
Scott Severs  
Project Manager  
JWMA  
360.352.9456 office  
360.481.9430 mobile



Jerome W. Morrisette & Associates Inc., P. S.

1700 Cooper Point Road SW, #B-2, Olympia, WA. 98502-1110  
(360) 352-9456 • (360) 352-9990

October 18, 2016

The Honorable Alan Carr, Mayor  
Town of Bucoda  
P.O. Box 10  
Bucoda, WA 98530

Re: Professional Services Proposal for the  
Town of Bucoda – Emergency Bypass Road  
Feasibility Study

Dear Mayor Carr:

In conformance with your request, the following professional Services Proposal for Emergency Bypass Road Feasibility Study north of the town is provided for your consideration. The scope of the professional services is anticipated to prepare a feasibility study for constructing an emergency bypass road at the northerly end of town. It is anticipated that the emergency bypass road would extend northerly from Main Street to the intersection of 184th Avenue SE and Crowder Road SE parallel with SR 507 and the Railroad tracks. The intent of the feasibility study is to develop an opinion of probable project cost, identify permitting requirements, identify constructability and Rights-of-Way issues, and to evaluate alternative route options.

The following scope of services includes:

Feasibility Study

- 1.1 Coordination and Meetings: Provide coordination and meetings with the Town of Bucoda and other stakeholders as appropriate.
- 1.2 Analyze Roadway Options and Alternative Routes: Evaluate alternative routes for construction cost savings and identify constructability issues that may be avoided.
- 1.3 Address Permitting Issues: Identify permitting requirements that would be necessary if the project were to be funded and estimated permitting costs.
- 1.4 Analyze Preliminary Roadway Elevations: Using existing available aerial contour data and preliminary hydraulic modeling of the Skookumchuck River to determine minimum roadway elevations with respect to historical and projected flood levels.
- 1.5 Estimate of Cut and Fill Quantities: Develop earthwork cut and fill quantities to be used for estimating probable construction costs.
- 1.6 Prepare Vicinity Map: Prepare vicinity map to be used for illustration purposes and a pre-submission conference with Thurston County.
- 1.7 Prepare Preliminary Roadway Sections: Roadway sections will be used to develop estimate of probable construction costs.

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- 1.8 Prepare Opinion of Probable Cost: Probable project costs will include construction, estimated design and permitting costs.
- 1.9 Prepare Preliminary Roadway Plan and Profile: Plan and profile will be developed using existing Thurston County Aerial Data.
- 1.10 Prepare Feasibility Report.
- 1.11 Prepare Applications and Attend Pre-Submission Conference: Prepare Master Application and Presubmission Conference Application and attend Presubmission Conference with Thurston County.
- 1.12 Provide Follow-up Comment and Recommendations: Follow-up comments will be developed from Thurston County Presubmission Conference Staff Comments.
- 1.13 Update Opinion of Probable Cost: Provide updated opinion of probable cost based upon comments received through the Presubmission Conference Comments.

#### Subconsultants

We propose to use Watershed Science and Engineering, Inc. (WSE) to provide the necessary preliminary hydraulic modeling analyses and related services. This is shown as Item 2.2 on Exhibit "A". WSE has been involved in modeling the Skookumchuck River in the vicinity of this proposed project.

We propose to use Thurston County Title Company for obtaining Property Title Reports to determine whether an old Right-of-Way remains in existence or if Right-of-Way acquisitions would be necessary. This is shown as Item 2.3 on Exhibit A.

Compensation to Jerome W. Morrisette & Associates Inc., P.S. for professional services will be at the following rates

Principal Engineer	\$131.00	Sr. Engineering Technician II	\$94.50
Sr. Project Engineer III	\$128.65	Engineering Technician IV	\$77.50
Sr. Project Engineer II	\$125.10	Engineering Technician III	\$71.85
Sr. Project Engineer I	\$116.50	Engineering Technician II	\$63.20
Project Engineer III	\$118.30	Engineering Technician I	\$61.20
Project Engineer II	\$106.50	Engineering Aide III	\$48.35
Project Engineer I	\$99.40	Engineering Aide II	\$45.75
Project Manager	\$99.50	Administrative Secretary	\$52.60
Sr. Engineering Technician I	\$86.70	Secretary	\$47.80

#### Assumptions:

- Emergency access will be a gravel 16 ft. wide gravel surface road w/pull outs.
- Roadway Finish Grade will be one foot higher than 100 yr. flood elevation based upon the preliminary hydraulic model indicates.

- There is a seasonal stream that crosses under SR 507 and the railroad tracks. We assume that a box culvert bridge or equivalent will be a part of the final design.
- Preliminary hydraulic modeling of the seasonal stream will not be included in the feasibility report.
- Exhibits, drawings and quantity take-offs will be created from existing sources such as Thurston County Geodata etc.

#### Reimbursable Expenses

We anticipate having some expenses for printing, binding, and project-related supplies. This category is shown as Item 2.1 on Exhibit "A". Paper copies of the relevant documents will be provided to the Town at major milestones during the project. All direct costs, such as title reports, subconsultants, document copying, etc., if necessary, will be paid for at cost plus 10% by the Client (if paid through JWM&A).

JWM&A estimates the compensation to complete the subject services at \$20,707.75 and, as identified in Exhibit "A" provided herein, agrees to a maximum compensation "not to exceed" budget of \$23,000.00 for the scope of services provided, subject to written agreement for change based upon a modified scope of work.

JWM&A will submit monthly progress billings for prompt Client remittance. Progress payments will be for the amount of compensation outstanding.

If the above proposal meets with your approval, please execute the two originals enclosed. Retain one set for your files, and return one set to JWM&A as your authorization to proceed with the services.

Thank you for the opportunity to submit a Professional Services Proposal. We are looking forward to the opportunity of working with you.

Sincerely,

**J. W. Morrisette & Associates Inc., P.S.**



Scott Severs  
Project Manager

CLIENT APPROVAL:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

## Exhibit A

## TASKS, PERSONNEL HOURS AND BUDGET FOR ENGINEERING SERVICES

# Town of Bucoda Main St. Emergency Bypass Road

## 10/18/16 Version

Task NO.	Task	Sr. Project Engineer III	Sr. Project Engineer II	Project Manager	Engineering Technician III	Administrative Secretary	
		2016 Rates \$128.65	\$125.10	\$99.50	\$71.85	\$52.60	
	<b>Feasibiltiy Report</b>						
1.1	Coordination and Meetings		8.0	12.0			\$2,194.80
1.2	Analyze Roadway Options and Alternative Routes		2.0	8.0	6.0		\$1,477.30
1.3	Address Permitting Requirements		1.0	3.0			\$423.60
1.4	Analyze Preliminary Roadway Elevations		1.0	4.0	4.0		\$810.50
1.5	Estimate Cut and Fill Quantities			2.0	8.0		\$773.80
1.6	Prepare Vicinity Map			1.0	3.0		\$315.05
1.7	Prepare Preliminary Roadway Section Drawings			2.0	6.0		\$630.10
1.8	Prepare Opinion of Probable Cost		2.0	6.0	8.0		\$1,422.00
1.9	Prepare Preliminary Roadway Plan/Profile			4.0	12.0		\$1,260.20
1.10	Prepare Feasibility Report		2.0	24.0			\$2,638.20
1.11	Prepare Application & Attend Presubmission Conference			6.0		4.0	\$807.40
1.12	Provide Follow-Up Comments and Recommendations		1.0	6.0			\$722.10
1.13	Update Opinion of Probable Cost			4.0	4.0		\$685.40
	Personnel Hours Sub-total	0.0	17.0	82.0	51.0	4.0	
<b>Sub-total</b>							<b>\$14,160.45</b>
	<b>Direct Costs</b>						
2.1	Supplies/Consumables/Printing						\$600.00
2.2	Water Shed Sciences						\$2,200.00
2.3	Title Reports for Four Properties						\$2,600.00
2.4	Thurston County Pre-Submission Conference						\$1,147.30
<b>Sub-total</b>							<b>\$6,547.30</b>
<b>Estimate</b>							<b>\$20,707.75</b>

Client pays all Direct Costs Plus 10 Percent to Cover B&O Tax

**Not to Exceed      \$23,000.00**