

Scott Boettcher

From: Carol Ruiz <cruiz@gibbs-olson.com>
Sent: Thursday, October 13, 2016 6:59 AM
To: Scott Boettcher
Cc: oakvillecityhall@comcast.net; oakvillepublicworks@gmail.com; colronjanaverill@comcast.net; Cindy Gower
Subject: RE: Need Project Funding Request ASAP ----- FW: Drainage Improvements Cost Estimate
Attachments: FINAL Local Flood Relief Project Recruitment Form -- 07222016.docx

Scott,

I have completed the application to the best of my ability based on my knowledge of the project Dan Thompson had in mind. Please use the figure and cost estimates Dan previously provided to you as attachments to the document included with this email.

If you have any questions, please contact me or Cindy Gower at the number listed below.

Regards,

~



Carol L. Ruiz, PE
Principal | Gibbs & Olson
<http://www.gibbs-olson.com>
[360-425-0991](tel:360-425-0991) w

Gibbs & Olson is happy to announce the launch of our new website at <http://www.gibbs-olson.com>

The website redesign has a fresh, new, user-friendly interface and is updated with information about our latest projects. Our goal is to improve our visitor's experience and provide an easier way to learn about Gibbs & Olson and the services we offer.

From: Carol Ruiz
Sent: Monday, October 10, 2016 2:06 PM
To: 'Scott Boettcher' <scottb@sbgh-partners.com>
Cc: oakvillecityhall@comcast.net; oakvillepublicworks@gmail.com; colronjanaverill@comcast.net
Subject: RE: Need Project Funding Request ASAP ----- FW: Drainage Improvements Cost Estimate

Hi Scott,

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Cc: oakvillecityhall@comcast.net; oakvillepublicworks@gmail.com; colronjanaverill@comcast.net

Subject: Need Project Funding Request ASAP ----- FW: Drainage Improvements Cost Estimate

Importance: High

Carol – The attached was provided to me by the Town. I understand you were working with Dan on a funding request for 2017-19 funds. To be considered for funds your request needs to be submitted to me on the following form – <https://www.ezview.wa.gov/Portals/1492/images/FINAL%20Local%20Flood%20Relief%20Project%20Recruitment%20Form%20--%2007222016.docx>. This needs to be completed ASAP. Please reply to acknowledge receipt. Thanks!
Scott

Scott Boettcher, Staff
Chehalis River Basin Flood Authority
360/480-6600
scottb@sbgh-partners.com

P.S. Here is your current project (2015-17 funding) --
https://www.ezview.wa.gov/site/alias_1942/overview/36782/overview.aspx

From: City of Oakville [<mailto:oakvillecityhall@comcast.net>]

Sent: Monday, October 10, 2016 1:28 PM

To: Scott Boettcher <scottb@sbgh-partners.com>

Subject: FW: Drainage Improvements Cost Estimate

Amy L. Durga

City of Oakville
Clerk-Treasurer
PH (360)273-8916
FAX (360)273-5120
oakvillecityhall@comcast.net

From: Carol Ruiz [<mailto:cruiz@gibbs-olson.com>]

Sent: Thursday, October 06, 2016 11:33 AM

To: City of Oakville <oakvillecityhall@comcast.net>

Cc: Cindy Gower <cgower@gibbs-olson.com>
Subject: FW: Drainage Improvements Cost Estimate

Hi Amy,

Attached are the cost estimates for drainage improvements that we sent to Dan on September 23rd, along with a figure showing what each estimate is for.

Regards,

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From: Carol Ruiz
Sent: Friday, September 23, 2016 11:11 AM
To: 'Dan Thompson' <oakvillewaterstreet@gmail.com>
Cc: Cindy Gower <cgower@gibbs-olson.com>
Subject: Drainage Improvements Cost Estimate

Hi Dan,

We've put together costs for two options for addressing the drainage from the north side of Hwy 12 to Harris Creek. Attached is a pdf showing the layout of the two options, and a pdf of the associated costs for each. We will give you a call in a few minutes to discuss.

Regards,

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2017-19 Local Projects Recruitment Form

Chehalis Basin Flood Relief

A. What are local flood relief projects? -- In general, local projects are those projects that provide predominantly localized and quantifiable benefit, are capable of being completed within the funding cycle, are supported by the jurisdiction within which the project is proposed, and are vetted and advanced through a public entity like a City, County, Conservation District, Agency, etc. Furthermore, local projects are envisioned as helping with flooding, not adverse to fish or habitat and (where possible) providers of multiple, quantifiable benefits.

B. What kinds of local flood relief projects are likely to be logical funding candidates for 2017-19?

- Projects that complete an effort previously funded/started.
- Projects that advance improved emergency response.
- Projects that advance improved public infrastructure protection.
- Projects that advance improvements in local or community flood hazard reduction, including local flood proofing projects (e.g., elevations, buy-outs, foundation venting/opening, etc.).
- Projects that advance Conservation District initiated flood hazard reduction (e.g., farm pads, evacuation routes, bank erosion/bank stabilization, etc.)
- Projects that demonstrate innovation (e.g., thinking beyond traditional bank stabilization techniques in favor of natural system designs), partnerships, cost-sharing/leveraging resources, multiple benefits, and proactive vetting with agencies and tribes.
- Projects typically not in excess of \$3M for the stage/phase being funded.

C. Are there projects that would not be good candidates?

- Projects that seek to utilize State Capitol Budget dollars for uses not typically allowed (e.g., maintenance and repair work, cost-sharing under select circumstances, etc.).
- Projects likely to increase potential for flood damage upstream or downstream.
- Projects with unmitigable adverse environmental impacts or significant uncertainty regarding potential environmental impacts.
- Projects not sponsored by a public entity.

Instructions:

- Please submit local flood relief project requests (via this form) to Scott Boettcher (scottb@sbgh-partners.com) no later than 5:00 p.m., Friday, August 12, 2016.
- Please submit one request form for each project proposed, even those past projects previously or partially funded.
- Note: Parts III and IV below [marked by "(**)"] will be scored as part of the Flood Authority Projects Committee's review and evaluation. Part I and II will not be scored.



Part I General	
1. Date:	October 12, 2016
2. Project Name:	City of Oakville Stormwater Improvements
3. Project Location -- Please identify the location of the project as precisely as possible, including providing decimal degree latitude/longitude coordinates.	Opt 1: S Allen St/Cedar St to 800' S of E. Eagle St 46°50'30.01"N 123°13'59.55"W to 46°50'06.19"N 123°13'50.06"W (See attached figure). Opt. 2: S Allen St/Cedar St to S Allen St/E Oak St; Allen St/E Oak St to E Oak St/State St; E. Main St/ State St to 650' S of Merritt Ln. 46°50'30.01"N 123°13'59.55"W to 46°50'20.56"N 123°13'54.11"W to 46°50'20.62"N 123°13'58.49"W to 46°50'02.88"N 123°13'58.89"W (See attached figure).
4. Project Contact -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.).	
5. Lead Organization -- Please identify the lead organization, agency, entity, etc. responsible for this project. Please identify key partners responsible for assisting in the delivery or implementation of the project.	City of Oakville

Part II Description, Timing and Cost	
6. Project Description -- Please describe the project, what is intended to be accomplished, the benefits to be accrued, and to whom.	The project will reroute a portion of stormwater originating from north of the BNSF railroad, crossing under Highway 12 and draining toward E Blockhouse Rd/E Elma Gate Rd E, to closed system drainage in S Allen St or State St to discharge to Harris Creek. See attached figure. This will help to alleviate flooding to the residents that is occurring between Pine St, E Blockhouse Rd and Merry Road, and provide safer access to Arla and Avarie Courts
7. Project Timeline -- Please describe the overall timeline for completion of the project as well any interim stages or phases.	Design for the project would occur in 2017, with construction anticipated Summer/fall of 2018
8. Project Cost and Funding -- What is the cost of this project? What are the on-going maintenance and	Opt 1: \$890,000 Opt 1: \$1,320,00



operation requirements and costs? Is it clear who will be responsible for covering on-going maintenance and operation costs?	Ongoing maintenance would consist of cleaning ditches, catch basins, manholes and outfalls for the proposed system. The City of Oakville would be responsible for the maintenance and costs.
9. Other Funding -- Please explain the extent to which other funding sources or funding partners are available.	None.

Part III (**) Completion and Doability by June 30, 2019	
10. Project Completion -- Does the funding requested complete (or substantially complete) a project that has already been started? If so, please explain.	The funding request is for recommendations from a study that is currently being prepared. No construction for this project has commenced.
11. Project Doable -- Can this project or the stage/phase for which funding is sought be completed by June 30, 2019? Please describe any circumstances with potential to impact the project's doability or timeline (e.g., permitting or regulatory unknowns, lack of availability of other cost-share funding resources, etc.). Please describe any advance coordination or vetting with agencies, tribes, other entities, etc. and the outcomes of that effort.	Yes. The project will likely require permits for work near Harris Creek. The project is located adjacent to property owned by the Chehalis Tribe, and will likely require consultation with the Tribe. May require coordination for new culverts under the BNSF railroad and Highway 12. The outcome of the consultation is unknown.
12. Project Impacts -- Please identify how any project impacts will be mitigated, funded and if that mitigation will be accomplished by June 30, 2019?	This project will re-route a portion of the upland runoff from north of Highway 12 that currently inundates the ditches along the residential areas adjacent to E Blockhouse Rd/Elma Gate Rd E and Avarie and Arla Courts to a closed system that will discharge Harris Creek downstream of the current location. Therefore, no mitigation is anticipated. Funding is anticipated from the Chehalis Basin Flood Authority.

Part IV (**) Benefits Stated and Quantified	
13. Emergency Response Benefits -- Please describe (and quantify) how this project enhances emergency response in a flood emergency (e.g.,	This project will remove a portion of runoff that currently inundates E Blockhouse Rd/Elma Gate Rd E and prevents movement of traffic through this area. In addition, it will



does it keep critical access roads and transportation facilities open and functional, does it enable easy movement of cattle, equipment and farm chemicals out of harm's way, etc.).	reduce runoff to Avarie and Arla Courts, which have limited access for property owners as well as emergency response vehicles during large rain events or several days of successive smaller rain events. The project also protects property by reducing the impacts from flooding.
14. Essential Infrastructure Protection Benefits -- Please describe (and quantify) how this project protects essential infrastructure and the risks or consequences of not acting this funding cycle.	The road and property in this area is affected by flooding several times per year, thereby damaging property, reducing access to main thoroughfares in the City, and compromising the integrity of the existing roadway base.
15. Public Health, Safety and Welfare Benefits -- Please describe (and quantify) how this project protects public health, safety and welfare.	The road and property in this area is affected by flooding several times per year, thereby damaging property, reducing access to main thoroughfares in the City to property owners as well as emergency response vehicles, and compromising the integrity of the existing roadway base.
16. Residential, Commercial and/or Agricultural Protection Benefits -- Please describe (and quantify) how this project protects residential, commercial and/or agricultural interests and communities and the benefits of acting (or consequences of not acting) this funding cycle. Consider factors like number of structures at risk, number of people at risk, historic frequency of flood damage, magnitude of benefit to be gained for the cost, etc.).	The road and property in this area is affected by flooding several times per year, thereby damaging property, reducing access to main thoroughfares in the City, and compromising the integrity of the existing roadway base. This project would reduce the risk of flooding residential areas of Oakville by re-routing a portion the runoff through a closed system. Therefore, reducing the runoff draining to Avarie and Arla Courts and allowing the runoff to be contained within the improved ditches.
17. Other Project Impacts -- Please explain how this project impacts or is potentially impacted by another project.	NA
18. Anything Else -- Please feel free to offer any additional information (e.g., photos, maps, video, drawings, etc.) that would help to better understand the scope, timing and benefits of this project.	See attached figure and cost estimates for the two options.



Appendix A

Process/Schedule (current as of 7-22-2017)	
July 21, 2016 (FA In-Person Mtg.)	<ul style="list-style-type: none"> • Post and distribute local projects recruitment request on 7/22/2016 following Flood Authority review/discussion at their 7/21/2016 meeting. • Allow three weeks for project proposals/submittals (i.e., due no later than 5:00 p.m., Friday, August 12, 2016).
August 18, 2016 (FA Conf. Call Mtg.)	<ul style="list-style-type: none"> • Receive proposals/submittals. • Update Flood Authority at their 8/18/2016 meeting on number received, type of projects received, distribution, etc.
September 15, 2016 (FA In-Person Mtg.)	<ul style="list-style-type: none"> • Update Flood Authority at their 9/15/2016 meeting on status of Projects Committee's effort to review, rank, discuss with Tribes, discuss with agencies, preliminarily sort and rank, etc.
October 20, 2016 (FA In-Person Mtg.)	<ul style="list-style-type: none"> • Review/discuss DRAFT ranked and prioritized list with Flood Authority at their 10/20/2016 meeting.
November 17, 2016 (FA Conf. Call Mtg.)	<ul style="list-style-type: none"> • Seek Flood Authority approval of FINAL ranked and prioritized list at their 11/17/2016 Flood Authority meeting.

Scott Boettcher

From: Cindy Gower <cgower@gibbs-olson.com>
Sent: Thursday, October 13, 2016 9:11 AM
To: Scott Boettcher; Carol Ruiz
Cc: oakvillecityhall@comcast.net; oakvillepublicworks@gmail.com; colronjanaverill@comcast.net
Subject: RE: Need Project Funding Request ASAP ----- FW: Drainage Improvements Cost Estimate
Attachments: Collection System Improvements-Figure A.PDF; Oakville Opinion of Cost Option 1.pdf; Oakville Opinion of Cost Option 2.pdf

Scott,

Here are the cost estimates and the figure to submit along with the application. Please let me know if you have any questions or need anything else.

--



Cindy Gower, PE
Gibbs & Olson
<http://www.gibbs-olson.com>
360-425-0991 w

From: Scott Boettcher [mailto:scottb@sbgh-partners.com]
Sent: Thursday, October 13, 2016 7:00 AM
To: Carol Ruiz <cruiz@gibbs-olson.com>
Cc: oakvillecityhall@comcast.net; oakvillepublicworks@gmail.com; colronjanaverill@comcast.net; Cindy Gower <cgower@gibbs-olson.com>
Subject: RE: Need Project Funding Request ASAP ----- FW: Drainage Improvements Cost Estimate

Thanks Carol. I do not have any figures or cost estimates from Dan (previously provided). Do you have these?
Scott

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Scott Boettcher, Staff

Chehalis River Basin Flood Authority
360/480-6600
scottb@sbgh-partners.com

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Subject: FW: Drainage Improvements Cost Estimate

Amy L. Durga

City of Oakville
Clerk-Treasurer
PH (360)273-8916
FAX (360)273-5120
oakvillecityhall@comcast.net

From: Carol Ruiz [<mailto:cruiz@gibbs-olson.com>]
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DRAWING: T:\CIVIL\2016\PROJECTS\06090904\ACT\FIGURES AND EXHIBITS\COLLECTION SYSTEM IMPROVEMENTS.DWG, LAYOUT: FIG. 1, DATE: 9/23/2016 11:00:34 AM, DRAWING SAVE DATE: 9/23/2016 11:00:34 AM, PLOTTED BY: K STEWART
PLOT DEVICE: GIBBS & OLSON, PLOT TO PDF: YES, PLOT SCALE: 1"=50', PAPER SIZE: 24" X 36", STANDARD COLOR: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 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2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217,

Oakville Drainage Improvements

Prepared by: Gibbs & Olson, Inc.

Date: September 22, 2016

Gibbs & Olson Project No. 0820-0204

Option 1 - Allen Street

Item No.	Item Description	QTY	Units	Unit Cost	Amount
1	Mobilization	1	LS	\$40,000	\$40,000
2	Temporary Project Traffic Control	1	LS	\$5,000	\$5,000
3	Clearing and Grubbing	1	LS	\$20,000	\$20,000
4	Removal of Existing Asphalt	540	SY	\$45	\$24,300
5	Trench Excavation	2400	LF	\$8	\$19,200
6	Crushed Surfacing Top Coarse - CSTC	400	Ton	\$25	\$10,000
7	Crushed Surfacing Base Coarse - CSBC	550	Ton	\$25	\$13,750
8	Import Trench Backfill	1450	Ton	\$25	\$36,250
9	Hot Mix Asphalt - HMA	225	Ton	\$150	\$33,750
10	48-inch Storm Drain Manhole	7	SY	\$4,000	\$28,000
11	36-inch Storm Pipe	2400	LF	\$125	\$300,000
12	Storm Pipe Crossing Under Hwy 12	60	LF	\$500	\$30,000
13	Regrading Ditches	1	LS	\$10,000	\$10,000
Subtotal					\$570,300
Sales Tax @ 8%					\$45,600
Contingency @ 20%					\$123,200
Construction Total					\$739,100
Eng. & Permitting @ 20%					\$147,800
Grand Total					\$886,900

Additive Alternate

Item No.	Item Description	QTY	Units	Unit Cost	Amount
1	36-inch Culvert Under Railroad	210	LF	\$500	\$105,000
Subtotal					\$105,000
Sales Tax @ 8%					\$8,400
Contingency @ 20%					\$22,700
Construction Total					\$136,100
Eng. & Permitting @ 20%					\$27,200
Grand Total					\$163,300

Oakville Drainage Improvements

Prepared by: Gibbs & Olson, Inc.

Date: September 22, 2016

Gibbs & Olson Project No. 0820-0204

Option 2 - State Street

Item No.	Item Description	QTY	Units	Unit Cost	Amount
1	Mobilization	1	LS	\$60,000	\$60,000
2	Temporary Project Traffic Control	1	LS	\$5,000	\$5,000
3	Clearing and Grubbing	1	LS	\$20,000	\$20,000
4	Removal of Structures	5	EA	\$500	\$2,500
5	Removal of Pipe including Trench Excavation	1730	LF	\$10	\$17,300
6	Removal of Existing Asphalt	770	SY	\$45	\$34,650
7	Trench Excavation for new pipe	1600	LF	\$8	\$12,800
8	Crushed Surfacing Top Coarse - CSTC	550	Ton	\$25	\$13,750
9	Crushed Surfacing Base Coarse - CSBC	800	Ton	\$25	\$20,000
10	Import Trench Backfill	2300	Ton	\$25	\$57,500
11	Hot Mix Asphalt - HMA	450	Ton	\$150	\$67,500
12	48-inch Storm Drain Manhole	5	SY	\$4,000	\$20,000
13	48-Storm Drain Drywell	5	EA	\$5,000	\$25,000
14	12-inch HDPE Storm Pipe	330	LF	\$40	\$13,200
15	36-inch Storm Pipe	1600	LF	\$125	\$200,000
16	48-inch Storm Pipe	1400	LF	\$170	\$238,000
17	Storm Pipe Crossing Under Hwy 12	60	LF	\$500	\$30,000
18	Regrading Ditches	1	LS	\$10,000	\$10,000

Subtotal \$847,200

Sales Tax @ 8% \$67,800

Contingency @ 20% \$183,000

Construction Total \$1,098,000

Eng. & Permitting @ 20% \$219,600

Grand Total \$1,317,600

Additive Alternate

Item No.	Item Description	QTY	Units	Unit Cost	Amount
1	36-inch Culvert Under Railroad	210	LF	\$500	\$105,000

Subtotal \$105,000

Sales Tax @ 8% \$8,400

Contingency @ 20% \$22,700

Construction Total \$136,100

Eng. & Permitting @ 20% \$27,200

Grand Total \$163,300