

Recap - Elm Creek Floodplain Mapping Project

	A	B	C	D	E	F	G	H
1	Barr Engineering - Original Contract		Stantec - Third Party Review					
2	<i>invoice date</i>	<i>\$ amount</i>		<i>invoice date</i>	<i>\$ amount</i>		Barr Proposal	
3	20-Dec-19	1,441.00		Jun 7 2021	2,351.25		Task 1a - Correct hydrologic modeling deficiencies	\$0.00
4	22-Jan-20	532.50		Jul 1 2021	660.00		Task 1b* - Do not believe changes necessary; however, to change hydrologic methodology per Stantec suggestions, recalibrate model to stream gage	\$10,000 to 25,000
5	28-Feb-20	26,051.00		Oct 6 2021	448.00		Task 2* - Hydraulic updates based on newly available hydraulic structure data and any new flows from Tasks 1a and 1b.	\$5,000 to 15,000
6	27-Mar-20	7,560.50		Nov 4 2021	128.00		Task 2 - Update boundary conditions per Stantec recommendation	\$0.00
7	1-May-20	1,291.00		Dec 7 2021	783.75		*Tasks 1b and 2 include one round of review with Commission and DNR	\$0.00
8	1-Jun-20	4,261.50		Dec 23 2021	453.75			
9	29-Jun-20	7,069.00		Jan 21 2002	1,072.50			\$0.00
10	20-Jul-20	2,693.00					Total	\$40,000-\$65,000
11	29-Jul-20	7,347.50						
12	28-Aug-20	12,403.00					Stantec Proposal	
13	10-5--20	7,365.50					Task 1 - Replace Muskingham-Cunge shortened simplified trapezoidal bank-width x-sections with reservoir routing. Rerun calibration events included in "Elm Creek Narrative and QAQC Documentation" to verify model calibration	
14	22-Oct-20	2,630.50					is still valid.	\$7,700
15	2-Dec-20	963.50					Task 2 - Update hydraulic model with updated flows from HEC-HMS for the 10%, 2%, 1%, 0.2%-annual-exceedance- events. Update 52 bridges, culverts, weirs, and dams based on construction drawings, survey, and as-built data as shown in Table 3 of the Third-Party Review. (Stantec unable to locate better data for an additional 27 structures.) Add Elm Creek Dam to model. Update model to correct stream alignments at County Ditch 16 east of Brockton Lane and unnamed tributary to Elm Creek just southeast of intersection of Hackamore Road and Brockton Lane. Either recombine model reaches split at stream confluences in the Preliminary HUC-8 model or update boundary conditions of the existing severed reaches. Run the updated hydraulic model with the updated flows from the hydrologic model HEC-HMS.	4,700
16	25-Dec-20	1,842.50					Task 3 - Prepare a memorandum describing the updates to hydrologic and hydraulic models.	\$2,300
17	29-Jan-21	8,434.00						
18	1-Mar-21	7,146.00						
19	6-Apr-21	7,908.00						
20								
21	Total	106,940.00		Total	5,897.25			
22	Contract amt	108,773.00		Est Budget	4,800.00			
23	Variance	1,833.00		Variance	(1,097.25)			
24								
25	Original Contract Amount			92,773.00				
26	Amendment One			0.00				
27	Amendment Two			16,000.00				
28		Contract Total		\$ 108,773.00				
29								
30	Barr invoices			106,940.00			Total	\$14,700
31	Stantec invoices			\$ 5,897.25				
32	Total exp incurred at 1/21/2022			112,837.25			Funding Sources	
33	Grant reimbursement			106,940.00			Two funds could be considered. The first is the assigned fund for projects and studies ineligible for levy funding. The second is the unrestricted/unassigned fund. Balances in these accounts at 2020 year-end were \$187,134 and \$248,940, respectively. It would be my recommendation to fund this project's overages from the unrestricted account. We would need a motion to that effect. <i>Judie</i>	
34		Variance		(5,897.25)				
35								
36								
37								
38								
39								