

Subject: Interlaken Public Works Proposal
Date: Thursday, January 3, 2019 at 1:28:56 PM Mountain Standard Time
From: Josh Call
To: Interlaken Mayor
CC: Interlaken Planning Commission, Devin Earl, Bart Smith
Attachments: image001.png

Hi Lisa,

Devin and I were able to speak with Joe about our meeting. Looking at the two main ideas that were discussed, we believe that we can present two preliminary concept plans with cost estimates for \$1,500. We would like to bill this hourly, with the contract amount not to exceed \$3,000; which would provide enough budget to cover any corrections, redlines, concept changes, etc. The Town will be notified if the project is to exceed \$1,500.

These will be preliminary drawings that will include:

- Preliminary Grading Plan
- Preliminary Drainage Plan
- Preliminary Cost Estimate
- Potential Funding Sources

They will not include survey and will not be construction drawings.

The two options that will be drawn out will be:

- 1-Expanding the current storage area by cutting into the hillside, installing retaining walls and providing a storm drain system to protect the source protection zone.
- 2-Utilizing the area above the existing pump house to grade out a new storage area.

These options will include a graded area that would fit a 20'x30' building, but the building concept will not be part of this preliminary design. We believe the building will add significant costs and should be done at a later date. If the Town would like the building to be included in the preliminary design, please let me know and I can update our costs.

I can write up a contract, or we can proceed with your approval to this email, whichever the Town would prefer.

Please let me know if you have any questions.

Thank you,



Josh Call

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www.epiceng.net

435-654-6600

"sustainability is epic"

January 8, 2019
Phone Call with Wes Johnson, Horrocks Engineering
435-654-2226
wes@horrocks.com

General Notes Regarding Reserve (Rate) Studies:

Wes suggested what the town wants to do is a “Rate Study,” to ensure we have enough in our reserves to cover future maintenance and improvement costs for our roads and water system. Midway does a 10 year combined Rate Study for both water and roads because, in his words, he hates to have to tear up a newly resurfaced road to repair a water line. So it is a coordinated effort between water and roads.

Wes suggested we keep Midway Sanitation abreast of our road plans so that they can coordinate any improvements with our road work.

Wes thinks Epic is fully qualified to do a rate study – he knows Joe Santos well. He offered to assist in any way in can for no charge. This could be as simple as driving through town and identifying sections of road that require treatment, and what type is recommended.

Regarding the water system – typically the study would include analysis of pipe type (material) and diameter, pipe age, a summary of historical breaks, an assessment of what lines are most in need of replacement, and a vision of what the ultimate system would look like (computer model).

Road Repair:

I asked Wes what type of resurfacing Midway performed on lower Interlaken Drive last spring. He described three types of surface treatment – chip seal is what they did last spring.

- Chip Seal 1/4” diameter rock chip seal with oil over it. Cost is generally \$0.27 to \$0.30 per sq ft. He recommends budgeting at \$0.35 per sq ft to cover overhead and other costs. It works well in most situations, but he doesn’t recommend for narrow roads with a lot of turning – it tends to peel away.
- Slurry Seal Liquid slurry mixed with a finer rock, like sand. This is better suited for narrow roads – it holds up better than the chip seal.
- Seal Coat Liquid emulsion. This is what Top Job applied to Interlaken roads summer 2017.

Costs for these treatments range from \$0.15 to \$0.35 per sq foot. To pulverize existing asphalt and replace it costs around \$2 per sq ft. Clearly, there is an advantage to doing surface treatments to extend asphalt life.

Alligatoring – where a road is cracking every square inch. That road has failed, and is need of replacement. Surface coating is a waste of money for that situation. There is a point where you say this section has failed and needs replacement. Wes inspects their roads section by section and does different treatments based on the condition of the asphalt. He maps it out and marks the asphalt. One section may be chip sealed, another slurry sealed, another would be replaced, etc. He offered to ride our roads with us and give us guidance as to what treatment should be used.

Subject: RE: Reserve Studies

Date: Monday, January 7, 2019 at 3:14:11 PM Mountain Standard Time

From: Josh Call

To: Bart Smith

Hey Bart,

Typically the reserve study will have two parts, the physical and the finance component. Typically smaller Towns handle the physical part since there are usually a few people who are very familiar with the infrastructure. Cost wise it doesn't make a lot of sense to bring in an outside source (like Epic) to write that component. The financial component we typically partner with Zions Bank to handle.

Epic is more than willing to do this work for the Town, but truth be told, it would be much more cost effective for the Town to write the physical component and then have Zions help with the financials.

Please let me know if you have any other questions,

Josh C.

From: Bart Smith <interlakenclerk@gmail.com>

Sent: Sunday, January 06, 2019 9:40 PM

To: Josh Call <jcall@epiceng.net>

Subject: Reserve Studies

Hey Josh-

Question for you. Interlaken wants to do reserve studies for the water system and road system. Do you know how other towns approach this?

Do they typically hire outside contractors or do they use their own engineers? Is this something Epic could do for the town?

Thanks,

Bart Smith

Interlaken Town Clerk

(435) 565-3812

Subject: RE: Road Reserve Study - Interlaken Town

Date: Monday, January 7, 2019 at 1:55:37 PM Mountain Standard Time

From: Nick Jones

To: Bart Smith

Hi Bart,

We do pavement evaluations for cities and towns in Utah. Generally we would need to wait until the roads have melted and the work that we do is generally from April to about September. If you would like us to give you an estimate we would be happy to. Generally we have 2 or 3 engineering students that we have evaluate roads throughout Utah, generally during the summer months when they don't have classes. Then they finish the reports shortly after. Let me know if you would like us to put together an estimate.

From: Bart Smith <interlakenclerk@gmail.com>

Sent: Sunday, January 06, 2019 10:06 PM

To: Nick Jones <nick.jones@usu.edu>

Subject: Road Reserve Study - Interlaken Town

Hi Nick-

Shawn Seager from MAG recommended that I talk to you about reserve studies for our town's road system. I was wondering if you could direct me to someone who could help. We are interested in contracting someone to do a study that will help us plan future maintenance costs and capital improvements for our road system. Any help you could provide would be much appreciated,

Thanks,

Bart Smith

Interlaken Town Clerk

(435) 565-3812

Subject: Re: Water System Reserve Study

Date: Monday, January 7, 2019 at 12:24:38 PM Mountain Standard Time

From: Interlaken Water

To: Bart Smith

Hi Bart,

So a Water Rate Study such as this is typically completed by an engineering company. They look at things like the age and life expectancy of the entire infrastructure, such as pipes, tank, hydrants, well pumps, future demand on the system, operating costs in regards to how much power is consumed by the pumps to get water to the tank, then they project past power costs and increases with what is likely going to be future increases to give you an idea of what to expect. I'm not sure if Epic Engineering does this or not. I think that is who the board mentioned the town using but I do know that Bowen and Collins does.

I hope this helps. If you have any questions please let me know.

Thank you,
Trent Davis

On Jan 6, 2019, at 9:38 PM, Bart Smith <interlakenclerk@gmail.com> wrote:

Hi Trent and Brady –
Happy New Year!

Question for you. The town is wanting to do a water system reserve study to get an estimate of future costs for maintenance and capital improvements.

Is this something you could do for the town? Or, alternatively, is there someone else who you'd recommend to do this study?

Thanks,
Bart Smith
Interlaken Town Clerk
(435) 565-3812

Subject: RE: Interlaken Drive Resurfacing
Date: Monday, January 7, 2019 at 12:19:15 PM Mountain Standard Time
From: Shane Owens
To: Bart Smith

Hey Bart, your best source for the funding on this project would be to get hold of Wes with Horrocks, he is over the resurfacing Project and it might benefit you guys , you might be able to do an add on when they are in town working with either heber or Midway to get a better price. (435) 503-5739 is my cell. Wes 435-654-2226 email: wes@horrocks.com

From: Bart Smith <interlakenclerk@gmail.com>
Sent: Sunday, January 6, 2019 9:51 PM
To: Shane Owens <sowens@midwaycityut.org>
Subject: Interlaken Drive Resurfacing

Hi Shane-

I'm the Interlaken Town Clerk, and I was hoping you could help me answer some questions. Last summer, Midway resurfaced the lower portion of Interlaken Drive, by Valais Park. As a town, we were very impressed with the quality of the work. I'm wondering if you could share with me the costs associated with that work, and the name of your contractor. We are planning to do resurfacing of our roads in the future and are trying to get an idea of the costs.

Thanks for any help you can give,

Bart Smith

Interlaken Town Clerk

(435) 565-3812

Interlaken Planning Commission Report Thru 2019-01-08

To: Interlaken Planning Commission

From: Epic Engineering (Joe Santos)

General Comments:

1. Meeting(s)

1.1. Planning Commission Meeting

2. Key Task(s)

2.1. Approval of Permit Requests

2.2. Update members of outstanding permits

3. Key Schedule(s)

3.1. N/A

4. Item(s)

4.1. N/A

Project / Task(s)	Description	Initiation Date	Status	Responsible Party	Projected Completion Date	Completion Date
Modified/Changed Dates in Red		Required/Requested Information in Orange		Completed/Old Tasks in Grey		
General	Water Rights					
		2016/2017	Preparing update on transfer recommendation.	Epic		
	Conference Call and Prepare Amended Memo	7/25/2017	To clarify the confusion surrounding Town water rights, conference call was held with PC member Bill Goodall, Don Olsen of Epic, Lindsay Minck of Epic, Josh Call of Epic, and Eric Jones of the UTDWR. Amended memo will be delivered based upon conversation.	Epic	7/25/2017	7/25/2017
	Amended Memo	7/25/2017	Memo Amendments complete, submitted to Town Council 8/29/2017	Epic	8/28/2017	8/29/2017
	Town Council Action	8/29/2018	Awaiting Action by Town Council	TC	?	
16IKB002	Lot 115- Howard Residence					
	Building Permit		Approved and issued 6/29/2016	Epic		6/29/2016
	Stop Order		Issued stop order due to missing dumpster and porta-potty.	Epic		
	Stop Order Lifted		Issues resolved and work to resume.	Epic		
	Inspections	8/8/2016 10/11/2016	Initial Inspections Underslab Plumbing			8/8/2016 10/11/2016

Project / Task(s)	Description	Initiation Date	Status	Responsible Party	Projected Completion Date	Completion Date
	Update	9/15/17 11/6/17 11/21/17 01/28/18 4/13/2018 4/30/2018	Framed, Windows installed. No electricity in house, waiting for Heber Power. Waiting on permission from neighbors to dig trench for powerline. Called for Update, no answer. Porta-potty concerns, will use Connor's porta-potty. Wrapping up exterior skin, then project will be on hold until spring when utilities can be dug and interior can be worked on Emergency inspection due to unclean site conditions. Site currently being cleaned up, workers were cleaning 4/29 and will clean 5/1. Epic to perform inspection 5/2.	Epic Epic		
	Update	6/11/2018 12/10/2018 01/08/2019	Working on utilities and connections, coming up June 25 to continue project. Project should be fully staffed July 4 th on until the end of summer. Siding nearly completed, just one spot above the door. Project on hold until January to finish up siding. Portapotty will be removed this week and toilet for project will be located inside. Fire Sprinklers installed and approved by Fire Marshall Portapotty removed, project on hold until snow melts.	Builder		



Project / Task(s)	Description	Initiation Date	Status	Responsible Party	Projected Completion Date	Completion Date
16IKB004	Lot 218- Frank Residence					
	Building Permit		Approved and issued	Epic		3/23/2016
	Inspections		Footing Underground Temp power			12/6/2016
	Update	9/15/17	Having problems with steel fabricators, contractor hopes to have steel in by end of month.	Builder	11/15/2017	
	Site Issues	9/18/17	Erosion and No Dumpster Issues Reported to Epic.	Epic/PC	9/18/2017	9/18/2017
	Site Issues	9/17/17	Contractor will get a dumpster to the property, Contractor reports there is no erosion, that it is due to roadbase.	Epic/PC	9/21/2017	9/27/2017
	Update	11/2/2017 1/29/2018 3/5/2018 3/27/2018 4/15/2018 01/08/2019	Framing is completed, Windows and Doors ordered, experiencing delays with Questar Gas Install see 17IKB005. Prepping for a 4-way inspection by the end of the week. Had 4-way and insulation, waiting on home owners to select siding. Waiting on home owners to select siding. Contractor has removed sediment from the roadway. Instructed by Town Clerk to revegetation according to approved Grading plan. Did not pass Final Inspection, contractor working through issues identified by inspector.	Builder Builder	3/1/2018	

Project / Task(s)	Description	Initiation Date	Status	Responsible Party	Projected Completion Date	Completion Date
17IKB002	Lot 203- Simpkin's Landscaping					
	Landscape Permit	6/16/2017	Epic sent memo regarding proposed approval on 6/16/2017 with understanding no work to be performed in ROW. Previous ROW work to be examined after attorneys look at it.	PC	6/16/2017	6/16/2017
	Town ROW	6/26/2017	Town attorney is trying to get to the bottom of the ROW issue and where to go with the ROW for this lot and all ROW in the Town.	Town Attorney		6/30/2017
	Planning Commission	6/26/2017	PC to measure from platted/surveyed centerpoint of "cul-de-sac" based upon measurements of retaining walls from the centerpoint determines next step.	PC	8/1/2017	8/7/2017
	Recommendation to TC	8/7/2017	PC made recommendation to TC regarding project approval. TC to decide how to proceed.	TC	8/7/2017	8/7/2017
	Building Permit	4/27/2018	Building Permit Issued	Epic		
	Update	01/08/2019	On hold, nothing to report.	Builder		
18IKB001	Sheldon Residence					
	Building Permit	4/20/2018	Building Permit Issued	Epic		

Project / Task(s)	Description	Initiation Date	Status	Responsible Party	Projected Completion Date	Completion Date
	Update	5/10/2018 01/08/2019	Soil Excavation Issue-placed soil as fill on neighboring lot. Not approved or permitted. Passed Solar Inspection, Construction is wrapping up, working towards a final inspection.	Epic		
18IKB002	Daines Residence					
	Building Permit Application	4/27/2018	Planning Commission comments and Epic Site review comments sent back to Daines. Structural review redlines to be sent 5/1	Epic/PC		
	Site Issue	8/31/2018 8/31/2018 9/10/2018 10/1/2018	SWPPP concerns, there are large amounts of soil that could run into road and create a mess. Emailed and called to notify of issue Emailed and called again to warn, contractor instructed to fix silt fence or explore other BMPs to prevent any issues. Reminded of SWPPP implications at inspection.	Epic Owner		
	Update	9/10/2018 01/08/2019	Foundation walls have passed inspection, construction progressing. Snow slowed construction, but working towards framing inspection this month. Construction to continue through winter.	Epic Epic		

Project / Task(s)	Description	Initiation Date	Status	Responsible Party	Projected Completion Date	Completion Date
18IKB003	Gladwin Garage					
	Building Permit	7/31/2018	Building Permit Application	Epic	8/29/2018	
		9/11/2018	Conditional Building Permit Issued	Epic	9/11/2018	9/11/2018
	Update	9/10/2018	Structural issues on building permit application have delayed issuance of permit. Epic recommends issuance of conditional excavation building permit, so that construction can begin while structural issues are resolved.	Planning Commission	9/10/2018	9/27/2018
		01/08/2019	Left VM	Epic		
18IKB004	McNaughton Remodel					
	Remodel Permit	10/13/2018	Building Permit Application	Epic	11/05/2018	
		11/5/2018	PC recommended to TC for approval	TC	11/05/2018	
	Update	01/08/2019	Passed drywall inspection, remodel progressing.	Epic		
18IKB005	Talbot Site Disturbance					
	Site Disturbance Permit	10/2018	Stop work order issued for construction without permit.	Epic	11/05/2018	
		10/17/2018	Site Disturbance Permit Application	Epic	11/05/2018	
		11/5/2018	PC recommended to TC for approval	TC	11/05/2018	
	Site Issue	11/28/2018	Contractors dump truck bed did not come down and potentially caught a Heber Light and Power line. Possibly broke two poles, power was restored by Heber Light and	Builder		

Project / Task(s)	Description	Initiation Date	Status	Responsible Party	Projected Completion Date	Completion Date
			Power.			
	Update	12/10/2018 01/08/2019	Project passed final inspection, recommend Town release project deposits once Heber Light and Power issue is clarified. Project is complete, deposits have been returned and the contractor is working directly with Heber Light and Power. Project will be removed from Progress Report next month.	Town		