

From: [Ken Kalinowski](#)
To: [Jennifer Gingras](#)
Cc: [Paul D. Brinkman](#); [Michael R. Schrader](#)
Subject: Heritage Estates
Date: Wednesday, July 13, 2022 4:00:18 PM
Attachments: [Copy of Heritage Estates Paving Costs - Bacon East and Minigel.xlsx](#)

Jenny

Attached is a revised bond estimate for Heritage Estates. It's based off of Ken Tulley's submission with updated pricing for items such as curbing, sidewalk prep (likely a non-issue). We also added items for clearing, grubbing and tree removal throughout the site (incl the detention basins) and handicap ramps (per plan). I would also note that the plan calls for East St to be reconstructed from Bacon to Lowell Rd, but I suspect this was negotiated out and replaced with more moderate upgrades.

Most importantly, we have come up with what we believe is an acceptable compromise to address the old binder throughout the project. Basically, we would require a 1" deep drag shim of binder be placed curb to curb on Minigel as well as the 1st 1100 ft of Bacon (from East). The remaining 1900 +/- feet of Bacon would require a 3/8" chip seal. The hope is that these measures would restore/ensure structural integrity by sealing the base and augmenting the structure. In addition, we estimate that the roads would require approximately 2700 sq yds of full depth patching to remedy pavement deficiencies and distresses throughout the project. This approach is based on the assumption that core samples confirm that there is still an acceptable level of service life remaining in the binder. Should this not be the case, we will need to reevaluate the options necessary to deliver an acceptable product for the town to accept.

Lastly, we have not tried to evaluate or assign costs for items such as remedying encroachments into easements, or major regrading of detention basins. It is our understanding that the interim As Blt plans should provide sufficient information to determine if further action/costs should be assigned.

In the attached spreadsheet, we have highlighted the items that were added or had pricing adjustments. Our estimated bond amount is \$700k.

Please let us know if there are any questions or if you require any further information.

Regards

Ken

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