

Here is a quick outline with bullet points for your use and review.

- This past spring, the Town submitted a Drinking Water State Revolving Fund (DWSRF) application to the State for several water system distribution improvements in Town, including Tilden Ave, sections of Cochran Road, and Bridge Street (south of the Bridge down part of Thompson). These were based on the Green Mountain Engineering Preliminary Engineering Report that was completed for the entire water system back in 2010.
- All areas of improvement would include abandoning old/antiquated cast iron water distribution main for new 8" (Tilden/Cochran) and 12" (Bridge Street) PVC main. This would follow suit with similar water main upgrades completed over the past few years. The total linear footage of proposed main is ~3,700 (final length pending final design, review of exact cast iron locations, etc.).
- Total project cost was estimated at \$1,450,000, which includes design, permitting, construction costs. Right before GME went out of business, they put together a line-item cost estimate for each segment - see attached. The costs were assuming individual/stand-alone projects, not one larger project, so there may be some cost savings due to bundling them all together (both on the construction and engineering side).
- The State ranked the Richmond project in the "fundable range" for the DWSRF program. The program would provide a subsidy/forgiveness of 50% (\$725,000) with the remaining \$725,000 of the loan at 0% interest over a 40 year term.
- Breaking down over 40 years, at ~500 users this would be an annual repayment of ~\$18,125 or ~\$36.25 per customer per year. Or ~\$9.06 per quarter per ERU.

The timeline of the DWSRF program is tighter this year than is typical:

- Dec 1, 2022: Submit a signed and complete Environmental Information Document for SERP review) to the assigned WID engineer.
- Jan. 1, 2023: Submit 90% drawings to DWGP.
- Jan 31, 2023: Schedule a bond vote and warn properly. I believe the bond vote would be for the total amount minus the subsidy...so \$725,000.
- May 1, 2023: Submit bond vote approval
- June 30, 2023: Submit construction loan application.

If all follows the above schedule perfectly, you could do a fall 2023 construction project. But more likely would be a 2024 construction season project. As you can attest from the last Bridge St water main project, it's nice to be able to complete a project in one season, and not overlap a winter.

I spoke with Amy G. at the DWSRF program. She noted that the January 1, 2023 deadline to submit 90% drawings will be very tough for many projects to meet (seeing that that is only 2 months away). She said several projects may already have design done, or are part way there. She said there is a good chance that the January 1 deadline will slide out to allow for more projects to make the cut. If not, the Town could re-apply for the next cycle of funding, and would likely (but not guaranteed) be ranked in

a similar capacity to this time around (in the fundable range). To have a chance at meeting the January 1 milestone, the Town of Richmond would want to move forward expeditiously, at least on the design side of the project.

Please let me know if you have any questions or need any additional information.

Tyler Billingsley, P.E.
Engineer / Owner
tyler@eastengineeringplc.com
802-989-6686