AMMENDMENT 1

As noted in the original submission of this study several alternatives had approximately the same life cycle cost. These include continuing to send wastewater to Driggs, lagoon treatment and land application, and mechanical treatment with surface discharge, over the course of this study negotiation between the City of Victor and the City of Driggs led to the City of Victor deciding to construct its own Wastewater Treatment Plant. While pursuing land for land application it was determined adequate land is not available for lagoons and land application. Based on this, it was decided to pursue mechanical treatment. As a result, some improvements recommended in this report require adjustments. These changes are outlined in this amendment. While the location of the future Victor Wastewater Treatment Plant is unknown it is assumed that flows will pe pumped from Lift Station 1 to the treatment plant. Recommendations will be based on this assumption.

1.1. ALTERATIONS TO RECOMMENDATIONS

Driggs South Lift Station Upgrades

The original submission found peak inflows to this lift station to be over 85% of firm capacity and recommended improvements to this lift station to increase capacity. The Driggs South Lift Station currently handles all of Victor's flows. Upon completion of the new treatment plant, The City of Victor's flows will go to the treatment plant instead of through the Driggs South Lift Station. Without Victor's flows, the lift station will no longer be approaching its firm capacity. As such, improvements to this lift station are not recommended at this time.

Driggs South Lift Station Force Main Upsize

Upsizing Driggs South Lift Station would result in forcemain velocities over 8 fps. To mitigate this deficiency, the original submission recommended improvements to the forcemain along with the Driggs South Lift Station improvements. Because it is no longer recommended to upsize the Driggs South Lift Station, the force main improvements will not be needed and are no longer recommended.

Gravity Pipe Downstream of Lift Station #1

Several sections of gravity pipe downstream of Lift Station #1 are either approaching or at 85% d/D (Maximum depth/full depth). The original submission recommended upsizing these sections to accommodate 20-year flows and later for 50-year flows. With Lift Station 1 no longer pumping to this line flows in these sections of pipe will decrease drastically with the completion of the Victor Wastewater Treatment Plant. Therefore upsizing this line is not recommended.

City of Victor Mechanical Wastewater Treatment Plant

The current agreement between the City of Victor and Driggs is coming to an end, and the City of Driggs is currently in design of a new WWTP. After negotiations between the two Cities the City of Victor decided to construct its own Wastewater Treatment Plant.

Lift Station 1 and Lift Station 1 Force Main Upgrades

While upgrades to both Lift Station 1 and it's force main are recommended, installation of a parallel force main will no longer be viable because the discharge point will change. A completely new force main will be needed to deliver flow from the lift station to the new WWTP. The force main should be sized to convey 20-year flows and sizing of the upgraded pumps will be determined based on the final location of the WWTP. Costs have been assumed to be the same as the final location of the WWTP will be needed for more accurate costs.

1.2. ALTERATIONS TO CIP

Chapter 9 contains a summary of recommended CIP improvements, their estimated costs, and triggers. With the City's decision to build a new treatment plant, the altered recommendations are summarized below in Table A-1 and the updated 5-year CIP schedule is shown in Table A-2.

TABLE A-1: CAPITAL IMPROVEMENT PLAN

ID#	Project Name	Project Trigger	Total Estimated Cost (2024 Dollars)
Priority 1 Improvements (2025-2030)			
1.1	New Mechanical WWTP and Surface Water Discharge	Existing agreement with Driggs coming to an end	$ 22,473,000
1.2	Lift Station 1 Force Main Installation	Existing agreement with Driggs coming to an end	$ 4,578,000
1.3	Lift Station 1 Upgrades	Existing agreement with Driggs coming to an end	$ 2,735,000
		Total Priority 1 Improvements (rounded)	**$ 29,786,000**
Priority 2 Improvements (2031-2045)			
2.1	Lift Station 2 Upgrades	20-Year PHD exceeds capacity trigger	$ 226,000
2.2	S 500 W Pipe Upsize	Surcharging during 20-year MDF	$ 4,570,000
2.3	Lift Station Backup Provisions	Recommended resiliency improvement	$ 205,000
		Total Priority 2 Improvements (rounded)	**$ 5,001,000**
Priority 3 Improvements (2046 - 2075)			
3.1	Lift Station 1 Upgrades	50-Year PHD exceeds capacity trigger	$ 391,000
3.2	Upstream of Lift Station 1 Upsize	Surcharging during 50-year MDF	$ 889,000
3.3	S 1000 W Pipe Upsize	Surcharging during 50-year MDF	$ 946,000
3.4	Lift Station 4 Upgrades	50-Year PHD exceeds capacity trigger	$ 205,000
		Total Priority 3 Improvements (rounded)	**$ 2,431,000**
		TOTAL SYSTEM IMPROVEMENTS COSTS (rounded)	**$ 37,218,000**

Notes

The cost estimate herein is concept level information only based on our perception of current conditions at the project location and its accuracy is subject to significant variation depending upon project definition and other factors. This estimate reflects our opinion of probable costs at this time and is subject to change as the project design matures. This cost opinion is in **2024** dollars and does not include escalation to time of actual construction. Keller Associates has no control over variances in the cost of labor, materials, equipment, services provided by others, contractor's methods of determining prices, competitive bidding or market conditions, practices or bidding strategies. Keller Associates cannot and does not warrant or guarantee that proposals, bids, or actual construction costs will not vary from the cost presented herein."

TABLE A-2: 5-YEAR CIP

ID#	Project Name	Cost	Opinion of Probable Costs (2024 Dollars)				
			2025	2026	2027	2028	2029
Priority 1 Improvements							
1.1	New Mechanical WWTP and Surface Water Discharge	$ 22,473,000	$ 2,247,500	$ 5,843,100	$ 14,382,400	-	-
1.2	Lift Station 1 Force Main Installation	$ 4,578,000	$ 229,000	$ 687,000	$ 3,662,000	-	-
1.3	Lift Station 1 Upgrades	$ 2,735,000	$ 136,750	$ 410,250	$ 2,188,000	-	-
Total (rounded)		**$ 29,786,000**	**$ 2,613,000**	**$ 6,940,000**	**$ 20,232,000**	**$ -**	**$ -**

Potential user rates from the original submission did not take into effect costs associated with Driggs' new WWTP ($18,000,000) because it was not a Victor CIP; however, with updated cost estimates the cost was added to the table from the original submission and can be seen below in Table A-3. User rate impacts were then reanalyzed with the new priority 1 costs and can be seen below in Table A-4 and compared to Table A-3. As shown below differences in user rate impacts between the two options are close enough to be negligible.

TABLE A-3: USER RATE ANALYSIS ORGINAL SUBMISSION REVISED

Sewer Rate Evaluation	Existing System Priority 1 Improvements
Loan Evaluation	
Existing Sewer Bill (per month)	$61.04
Priority 1 Project Costs	$12,200,000
Future Obligation to Driggs	**$18,000,000**
Grants	$0.00
Funding Source/s	DEQ
Loan Principle	$30,200,000
Interest Rate	2%
Term (yrs)	30
Annual Payment	$1,371,714
Monthly User Rate Increase	$75.30
Short-Lived Assets	
Annual Short-Lived Assets Reserve	$59,000
Monthly Short-Lived Assets Reserve	$4,917
Monthly User Rate for Short-Lived Assets Reserve	$3.24
Additional O&M	
Total Annual O&M	$0.00
Monthly User Rate for O&M	$0.00
Total New Monthly Sewer Bill	**$139.58**

1. Additional O&M is negligible as the Priority 1 improvement projects are improvements to existing facilities.

2. Priority 1 projects include projects that will likely be cost shared with the City of Driggs

TABLE A-4: USER RATE ANALYSIS AMMENDMENT CIP

Sewer Rate Evaluation	Existing System Priority 1 Improvements
Loan Evaluation	
Existing Sewer Bill (per month)	$61.04
Priority 1 Project Costs	$29,786,000
Grants	$0.00
Funding Source/s	DEQ
Loan Principle	$29,786,000
Interest Rate	2%
Term (yrs)	30
Annual Payment	$1,352,910
Monthly User Rate Increase	$74.27
Short-Lived Assets	
Annual Short-Lived Assets Reserve	$59,000
Monthly Short-Lived Assets Reserve	$4,917
Monthly User Rate for Short-Lived Assets Reserve	$3.24
Additional O&M	
Total Annual O&M	$20,000.00
Monthly User Rate for O&M	$1.10
Total New Monthly Sewer Bill	**$139.65**
1. Approximate additional O&M can be seen in Cahpter 8 Table 8-2.	