



# MEMORANDUM

To: Nederland Board of Trustees  
From: Jason Morrison  
Date: November 7, 2012  
Re: Staff Report -- Public Works

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## Collections, Distribution, and Water Treatment Plant

Although most people will never see the underground utilities work that has been done over the past month or perhaps even notice a difference, a lot of needed work was completed. The replacement of the pressure-reducing valve (PRV) vault on Bridge Street is complete. The project caused less inconvenience than anticipated, but the department nonetheless established a streamlined notification protocol in the process to keep people informed about work that may impact them. With the new valves in place, water pressure in town will be more consistent and controllable. We should look at replacing these valves again in 20-30 years. The Conger Street vault has had some PRV upgrades, as well. In this case, we only had to replace the valves themselves and not the entire system. We may need to look at further upgrades in the near future but nothing like at Bridge Street. A major water leak was found and fixed in the Wolf Tongue complex this month; we believe this leak to have been somewhere in the neighborhood of 13 gallons per hour and been that way for quite some time. A leak like that one starts small and continues to grow.



**Before and after repairs to the Bridge Street Pressure-Reducing Valve (PRV) Station**



With the repair of this leak and the “spring” behind the Mining Museum over the summer, the water plant has been running with greater efficiency. The issues with the raw water generator have been repaired and are ready for emergencies. Bill Bodkins, our new Class A operator seems to be working out well; he is a good fit for Nederland and brings a lot of experience to the table.

## Wastewater Treatment Plant

The waste water plant project is still moving forward. The metal operations building has been insulated and is really coming together.

Our current lagoon treatment system had been giving the crew a bit of a hard time. Our influent and effluent flow meters spiked off the charts, showing somewhere around 200,000 gallons a day coming in but not going out. We had the flow meters evaluated and they were fine. It turned out to be a blockage of grease the size of a couple of footballs end-to-end clogging the influent pipe near where the flow meter takes its reading. With this removed, all systems returned back to normal.

## Streets and Drainage

Public Works has been working on potholes at the Community Center, as well as Jefferson Street between First Street and Highway 72. After cutting and digging up where the pot holes were, we discovered that not only did thicknesses of asphalt vary from under 1 inch to over 4 inches randomly, but the sub base is very undesirable material that was never compacted. Long-term



solutions are needed in both of these spots; possibly tearing all asphalt out and starting over from scratch would be the best solution. This would be costly up front but will prevent the town being nicked and dimed to

**Multiple potholes at the Community Center were repaired, making for a safer driving surface at the building's entry drive.**

death in repairs for these spots. The last wooden section of sidewalk on First Street near Dog

House Video has been pulled up and is being re-poured as I type this report. While pouring this, the slabs for the new bear proof recycle bins are being poured as well. There will now be three bear proof recycling and trash containers in the downtown area, thanks to a grant from Boulder County's community outreach program.

After completing a sign check throughout town, we discovered a lot of missing signs. We will be putting up as many as we can before the ground freezes and complete the rest in the spring. We will start with all regulatory and safety-related signs first and then move on to the others.

## Parks

Chipeta Park has been winterized and facilities locked for the season.