



# MEMORANDUM

To: Nederland Board of Trustees  
From: Jason Morrison  
Date: February 13, 2013  
Re: Staff Report -- Public Works

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## Collections, Distribution, and Water Treatment Plant

January was a busy month for the utilities crew, due to several frozen service lines and other repairs. Supervising these repairs took up a bulk of the time making sure repairs were done to code. The most impactful on the town was the private replacement of a service line to a store on East First Street that impacted traffic flow and businesses in the area. Most of the others were not in the center of town and some went undetected by home owners for several days. With the houses that have Firefly meter detection systems, we can tell when the leaks started. Meters without Fireflies required us to guess based on when the efficiency of the water plant dropped.

Water tank cleaning is scheduled this year for the end of March or early April. The new software application that generates maintenance work orders for the water plant and distribution system has started generating work orders for preventative maintenance and is keeping the operators busy. The planning process for the new raw water diversion project has begun with the engineers and should be done this summer.

## Wastewater Treatment Plant

The process of moving out of the influent building has begun in preparation for demolition. The water sampler was moved to the water plant for service and use in the new plant. A new sampler runs around \$5,000, so servicing was a fraction of the cost to rehab the unit we have. Grease is still an issue in the influent building and needs to be cleaned out of the lines almost weekly to keep everything flowing smoothly. We anticipate putting together outreach materials to restaurants and others who generate grease in town to begin moving them to alternative disposal methods, as the new plant comes online.



**Left: Rusted out wheel and lug hole on snow plow. Wheels and tires on the plow were recently replaced. Brake systems were also overhauled.**

**Right: A corroded brake can that was replaced in one of the plows.**



## **Streets and Drainage**

The Public Works crew has been working on the plow trucks due to a couple of major issues. One plow truck had a complete brake system overhaul and when that was done had a small electrical fire, which sidelined it while we were working on the brake system overhaul on the other. The fire was minor and was able to be repaired by replacing some splices and wiring that had been in place and putting in a couple in-line fuses. During the repairs done to the brake system, tires and wheels were inspected and ones that needed to be replaced were.

The crew replaced an old culvert on Alpine Drive (Big Springs neighborhood) that was overflowing and was found to have a 2-inch pipe inserted into it as part of a system that we believe was used to create a pond at the top end of the culvert. The 2-inch pipe was frozen solid, so water was unable to flow and was running out over the road. The same issue with a plugged culvert on Doe Trail was scheduled to be repaired in January but, due to the freezing service lines around town, was postponed until this month and should be wrapped up by the end of next week.

Public Works will be replacing culverts with 18- or 24-inch smooth-walled pipe from this point forward. Smooth-walled pipe is thought to clog less and are easier to clean than typical corrugated pipe.

## **Parks**

Bids are starting to come in to replace the sign at the Chipeta Park entrance; which can hopefully be replaced in the next few months. We asked some local contractors to bid on it and submit their own designs to replace the deteriorated wooden sign.

On February 28, I will be walking Chipeta Park with FDGD organizers to check park condition before the event. If anyone would like to join the walk-through, we would be happy to have you join us.