

Public Works Report December 2018

Clubhouse One Rot Repair: While doing snow cleanup at club 1 a crewman (Phil) noticed some wood shingles on the ground by the fire escapes and air handler moist air exhaust vent. Upon investigation we discovered a very large area of exterior wall completely rotted from the inside out caused by the improper installation of the moist air vent which directed almost all the moisture laden air onto the wall surface below, beside and even above the vent and including the fire escape porch and one sidewall depending on wind conditions. Our crew immediately began demolition and rebuilding. Half the crew has been there all week repairing the damage with new moisture resistant materials and installing a new custom made stainless steel vent that directs the moisture away from the building instead of onto it.

Transmission Main Update: After last month's meeting the weather jumped on us and forced an end to our work on the road there for the season.

Winter Sand: As soon as the weather let up our crew mixed and piled the additional 2000 yards of winter sand.

Continuing Pothole Patrol: Taking advantage of the chilly but sunny break in the weather our crew has spent a few days adding gravel to our roads. The roads are now frozen solid and the potholes cannot be cut out so we use the grader and bucket loader to patch the frozen potholes with truckloads of fresh gravel. That's the Arrowhead version of winter cold patch.

Gravel for Spring Work: We have taken advantage of the recent break in the weather to haul in gravel to various locations so we can work next spring when the roads are posted for six to eight weeks. Not done doing that.

Water Main Breaks: We repaired two breaks this past month. New Dam and Grandview Cir.

Equipment Repairs: There has been much work going on in our maintenance facility. Many truck and equipment repairs happen there every week. Our crew also fabricated and installed more steel ice shields on the exterior walls to prevent falling ice damage to the new generator transfer switch, heater exhaust vent and gas supply regulator.

Water Production for November 2018 was 10.8 Million Gallons. I believe this sudden reduction in GPD is a direct result of the drop in system pressure required to fill the Caribou water tank due to the efficiency of the new transmission main which carries four times more water at any given pressure compared to before. We still have hundreds of undetected leaks continuously hemorrhaging water into the ground 24/7. But now we are pushing that water out with much less pressure resulting in energy and water savings.