



# Clearcreek Road Department

## Monthly Report

January 2022

2020.

Road Crews were busy mixing brine to prepare for more winter weather. Brine is a mixture of salt and water, used as a pretreatment for roads and provides more time for the Road Department to prepare for plowing. Crews dissolve the salt in water and agitate with air to make the brine, at a percentage of 21% to 23% using a hydrometer. It takes an hour and a half to fill the tank with a ¾-inch hose and another hour to mix the salt to the proper percentage. Crews can make about 2,700 gallons a day with the capacity to store 5,500 gallons. It takes approximately two days for Crews to fill the brine storage containers. Pretreating the Township's main roads and thoroughfares through the plats requires eight loads and two trucks carrying 500-gallons each.



While out cold-patching asphalt, the Ford F-450 lost reverse and second gear. Road Crews brought it back to the shop using their new trailer to save on towing costs. Upon inspection, Crews determined the vehicle needs a new transmission. Superintendent Jones found a new transmission and, in the process, learned that manufacturers discontinued some of the parts. He then consulted with the Road Crews, who decided to fix the transmission in-house to save money. The outside repair cost is \$4,500. The in-house price for a rebuilt transmission with a three-year warranty is \$2,900.

In January, Road Crews also ditched Utica Road and the southern portion of Bunnell Hill Road to fix flooding issues.

