## Clearcreek Road Department

Monthly Report

January 2022

Several small snow events, all equaling less than 1", kept the Road Crews busy in January. The learcreek Road Department now maintains 95-miles of roadway, which equals 190-line miles when salting the roads. Service area roads require 50 to 60 tons of salt per trip. The Township's salt storage bin, constructed in 1995, holds a capacity of 700-tons of salt. Road Superintendent Ryan Jones ordered 650 tons of salt for this season, with 1,400-tons on reserve at Cargill, per a two-year contract arranged in

2020.

TOWNSHIE

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 %-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.



