

## **Road Update April 18, 2016**

The weather finally started cooperating, and the Elk Lake road rebuilding project has begun. As of today's date, the section from lot #888 to lot # 940 is complete to the stage where we have added 8 inches of gravel. I will describe the different stages of rebuilding later in this update.

The plan remains that the majority of the work to be done throughout the summer season will be done at the back of the lake. In the fall, we plan to rebuild the main road from the guardhouse to the lodge. The reason for this time of year is that it is better to have the remaining chip and seal heated up sufficiently, so that when the road is dug up it will form a better base. Also, it will be less of an inconvenience to the members during the busy summer season.

The regular maintenance of the roads will continue during the rebuilding project. The goal is to have those areas that were regraded and reshaped last year by Bruce be done again this year. We will also have dust suppressant applied to these areas. Weather permitting our goal is to have this maintenance completed by Memorial Day weekend.

### **How the road rebuilding process works**

#### **Step 1**

Excavate the existing road to a depth of 1 foot.

#### **Step 2**

Remove ledge rock. The following pictures are examples of the ledge rock that exists along and underneath Elk Lake roads. These pictures were taken as the first section was started.



### **Step 3**

Go to the outside edges of the road and shape and crown the road. Roll down tight. Apply fabric to the road.

### **Step 4**

Apply up to 8 in of gravel to the road. Roll down again. At this point the road is passable and the traffic helps to continue to pack the road down. The following picture illustrates this stage.



### **Step 5**

The road is reshaped again and a final 2 in of gravel with more fines is applied. These fines help the dust suppressant to bond and form a sturdier surface.

## **Step 6**

Apply dust suppressant.

All through this process, the main objective is to keep the water off the road. This is accomplished by crowning and shaping the road, ditching, and adding culvert pipes.