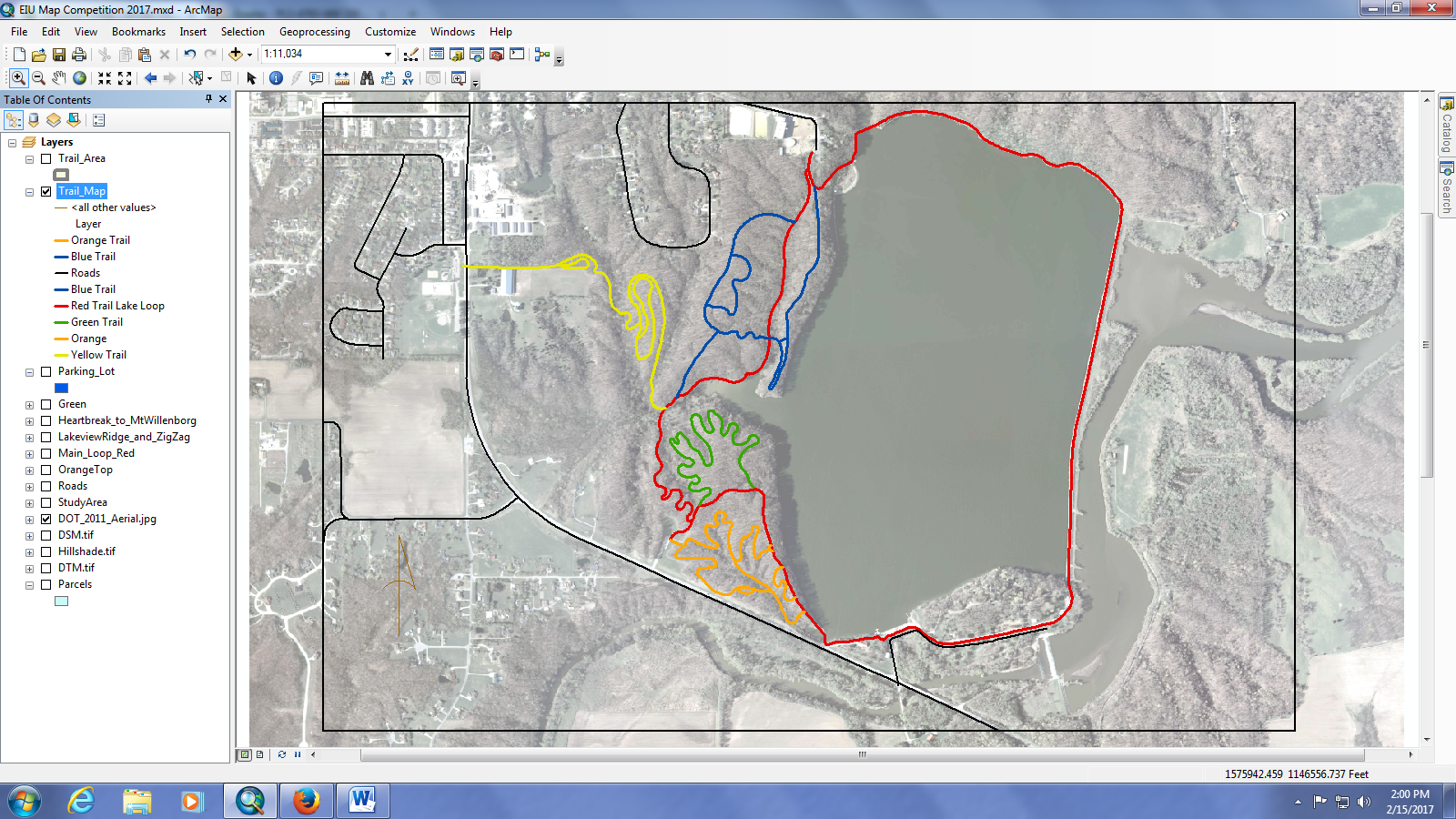
# 2017 Map Competition

# Lake Charleston Trail System Map

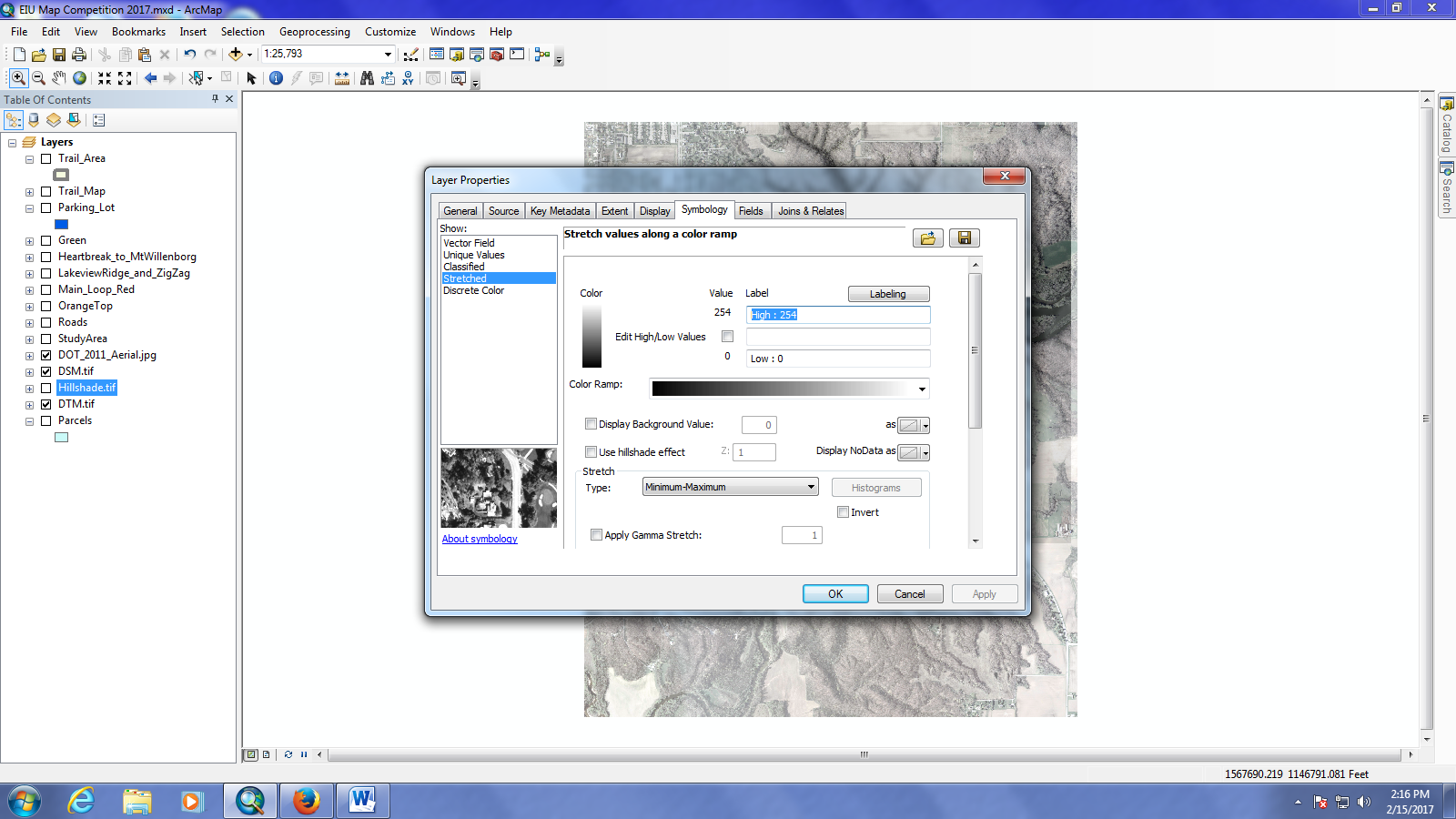


## Rules and Guidelines:

1. Submit your entry as a single PDF file.
   1. Winning entrants must supply cartographic files used to create the map (e.g. ArcMap \*.mxd document with data files).
   2. By entering the contest, you agree to place your map in the public domain and allow it to be used and/or altered by the city.
2. The trail map should be large (approx. 3 x 4 feet), to be displayed at trailheads
   1. should be easily readable from 5 feet away
   2. but for printing purposes, cannot be more than 3 feet on shortest side
3. Trail colors have been designated by city.
   1. See *color coded map.PNG*
4. Possible map elements include:
   1. trails: colors, labels, distances, approx. hiking times, difficulty levels, etc.
   2. topography, aerial photos
   3. trailheads, other well-known locations or landmarks
   4. anything else you think might be relevant to trail users
   5. However, keep in mind that a good map should not try to show *too much* information. Use your cartographic judgement!

## Data Layers Available:

1. DOT\_2011\_Aerial.jpg – aerial image of the Lake Charleston area
2. DSM – Digital Surface Model, canopy elevation layer via LiDAR
3. DTM – Digital Terrain Model, elevation of the Earth via LiDAR
4. Green – GPS points of the Green Trail
5. Heartbreak\_to\_MtWillenborg – GPS points of the trail section
6. Hillshade - a 3D representation of the surface, with the sun's relative position taken into account
   1. to display properly in ArcMap:
      1. Go to *Properties*
      2. *Symbology*
      3. *Stretched*
      4. Set *Stretch Type* = Min/Max
      5. OK



1. LakeviewRidge\_and\_ZigZag - GPS points of the trail section
2. Main\_Loop\_Red - GPS points of the trail section
3. OrangeTop - GPS points of the trail section
4. Parcels – City property parcels
5. Parking\_Lot – Points of the five parking lots around the Main Loop
6. Roads – IL Rt 130 and several secondary roads in the area
7. StudyArea – Area of proposed project Trail\_Area – Parcels owned by the city and those with easments which encompass the trail area
8. Trail\_Area – Parcels owned by the city and those with easments which encompass the trail area
9. Trail\_Map – Current trail map with the outilne of the perimeter, roads and the five color coded trails