



8/29/18

Bryan Myrkle
Community Development Director
City of Charlotte
111 E. Lawrence Ave.
Charlotte, MI 48813

Subject: New communications tower at Eaton Co. central dispatch

To whom it may concern,

As part of applying for the new communications structure at central dispatch a couple particular items need additional explanation. Below are these items and our responses.

An explanation and or justification for the height of the tower is to be supplied:

The new Charlotte dispatch tower is required due to the current tower not being able to accept the additional antenna loading the new 911 system requires. Heights for this new structure are determined by professional RF coverage studies and line of sight requirements to other system towers for microwave data links. Other site options have been explored however, it has been determined none are able to handle the required load or microwave pathing is unavailable.

Provide a maintenance plan for the new structure:

Eaton County has decided to adopt the MPSCS's tower maintenance plan. This plan includes the following yearly items:

- 1) A tower climb to inspect the following:
 - a) Antennas (shape and connections to structure)
 - b) Mounts (shape and connections to structure)
 - c) Lines (shape and connections to structure)
- 2) Perform antenna sweeps to ensure proper performance
- 3) Cold Galvanizing repair of any spots on the tower that are showing corrosion
- 4) Light inspection (the new tower at dispatch will not have any lightning)

Best regards,

A handwritten signature in black ink that reads 'T. Ostling'.

Trent Ostling
Project Manager
Mission 1 Communications