



COLLIN COUNTY

Public Works Department
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Date: December 21, 2016
To: Commissioner's Court
From: Jon Kleinheksel
Re: 2017 Proposed Road Projects Schedule

Although 2016 storm damage was not comparable to the unprecedented scale of 2015, Public Works did address several weather events in the winter and spring that caused pervasive damage to county roads. Because of the tornado and above average rainfall in the March/April, roads crews responded to 128 different roads that experienced assorted damage including drainage, trees/brush, and road surface erosion issues.

In an effort to apprise Commissioners' Court of planned activities, PW staff has compiled a comprehensive record of anticipated road projects for 2017. The attached documents group the projects into two major categories:

- 50 Mile Program – Rock to Asphalt
- Road Reconstruction (Full Depth Reclamation)

Road projects with a significant tree presence along the borders of the roadway will receive increased scrutiny from PW staff. Established practice encourages the removal of trees in this area to preserve the integrity of the new road base. Root systems are known to deplete sub base structures of vital moisture which cause deterioration of the base and subsequent failure of the road surface.

Both road project types (50 Mile & FDR) will receive a 2 course chip seal pavement surface. This decision was based on accumulated data which asserts a substantial cost and time savings compared to HMAC pavement operations. In addition, Public Works will apply a Tire Rubber Modified Surface Sealer (TRMSS). This is an inexpensive surface treatment used to secure the chip seal and enhances the visual aesthetics of the recently paved road with a uniform blacktop finish.

Public Works crews will closely monitor and inspect the construction progress in an effort to expeditiously address and resolve any safety issues that develop. Should you require additional information, please contact me and I will respond accordingly.