



# COLLIN COUNTY

Public Works Department  
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Date: September 24, 2010  
To: Judge Self and Commissioner's Court  
From: Jon Kleinheksel, Director of Public Works  
Re: CR 826 Drainage Realignment

Public Works received a request to resolve a drainage issue situated on the south side of CR 826. Rainwater runoff has forged a curved path on Bill Smiers' property. The resulting soil erosion is progressively encroaching toward a barn approximately 30 feet west of the extended centerline of the culverts. The curved orientation may have been caused by a diagonal alignment of the culverts until recently. In preparation for paving CR 826, Road & Bridge crews replaced the culverts and installed the new ones with a true North-South orientation 2 months ago.

The structural integrity of the barn's foundation could be compromised unless the issue is addressed. However, remediation would necessitate R&B crews operating on private property. PW staff surveyed the area and proposes digging a shallow trench 8 feet wide for a distance of 300 feet south from the culverts. This action would force the rainwater runoff to observe a linear southerly flow and thus preserve Mr. Smiers' barn.

PW staff anticipates 1 Equipment Operator in a Track Loader could complete the job in 4 hours. PW is not proposing to fill the existing curved rainwater channel. Mr. Smiers has dedicated 30 feet of Right-of-Way for the CR 826 pavement project. Public Works requests Commissioners' Court consideration and approval to correct the rainwater channel south of CR 826 on Bill Smiers' property.

Should you require additional information, please contact me and I will respond accordingly.

JK/cpc