



COLLIN COUNTY

Public Works Department
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Date: March 22, 2023
To: Commissioners' Court
From: Jon Kleinheksel ✍
Re: CR 577 Crossroad Culvert Replacement

Public Works staff has been monitoring a situation on CR 577 south of CR 512. A massive crossroad culvert has accumulated debris over time blocking and interfering with the designed drainage under the road. The blockage has caused a detrimental effect on the road by compromising the integrity and beginning to erode the base.

To remedy this, Public Works staff proposes to replace the existing culvert, remove any trees and debris, perform associated drainage excavation in both directions of the inlet/outlet, and install the necessary erosion control materials to prevent any future deterioration. Our belief is these actions will restore the unimpeded flow of the creek under CR 577 from the west to the east.

Due to the length of this culvert (120 ft.), both ends are situated on private property just beyond the ROW. PW staff has spoken to both landowners and secured their unmitigated consent and blessing to proceed. We estimate the project will require one week to complete.

To facilitate the restoration project, Public Works requests Commissioners Court's consideration and approval to conduct operations on private property to replace a crossroad culvert on CR 577. The relevant area is depicted on the attached map.

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