



MEMORANDUM

DATE: 01/03/2018
TO: Terry Kader
FROM: Clark Rosendahl, Manager, Water Utilities Field Service, Drainage Division
SUBJECT: Vehicle or Equipment Upgrade Justification

DR0868 (excavator) is scheduled for replacement in FY 17-18. Drainage desires to upgrade to the John Deere 245G LC over the lower cost Case CX 245D MSR LC for the following reasons. The reach from ground level is 2'-5" greater, the dump height is 4'-3" greater, the digging force is 3720 lbs greater and the swing circuit is an independent hydraulic system creating an additional 51 gpm. The John Deere is capable of reaching farther, digging with more force and reacting faster when making the unit turn with a loaded bucket of material.

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