



Florida Department of Transportation

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MIKE DEW
SECRETARY

PROGRAM MANAGEMENT BULLETIN 18-04

DATE: May 3, 2018

TO: District Directors of Transportation Operations, District Directors of Transportation Development, District Design Engineers, District Construction Engineers, District Maintenance Engineers, District Roadway Design Engineers, District Traffic Operations Engineers, Program Management Engineers

FROM: 
Stefanie D. Maxwell, P.E., Manager, Program Management Office

COPIES: Brian Blanchard, Courtney Drummond, Tim Lattner, David Sadler, Rudy Powell, Amy Tootle, Dan Scheer, Vern Danforth, Gregory Schiess, Trey Tillander, Nick Finch (FHWA), Rafiq Darji (FHWA), Erik Fenniman (FHWA), Chad Thompson (FHWA), Bren George (FHWA)

SUBJECT: Performance Turf: Method of Measurement

Performance Turf has been measured as “plan quantity in square yards based on the area shown in the Plans” for several years. This has been quantified “using lengths based on station to station dimensions and widths based on neat lines shown in the Plans”, per Section 9 of the Specifications. This bulletin updates the method of measurement to account for quantity differences on slopes.

REQUIREMENTS

Update the Performance Turf quantities and summary boxes to include measurement of the area along the slope.

The Basis of Estimates, pay item 570- 1- A Performance Turf, has been updated as follows:

CADD QUANTITY (effective January 2019 lettings, with optional early implementation):
The plan quantity measurement will be calculated using the length x width along the slope.
Use of a 3-D model to calculate the surface area per Specification 570 is acceptable.

COMMENTARY

The Department anticipates fewer quantity adjustments for turf, due to slope. With better CADD tools available to account for slopes, the changes below will provide more accurate plan quantities. The CADD tools and processes for calculating Performance Turf have been modified to account for

slope. The CADD tool or 3-D model will provide more accurate plan quantities for performance turf.

BACKGROUND

Contractors expressed a concern over the method of measurement, especially where quantities increased when placed on slopes. The CADD Support Section of the Production Support Office has updated the method of calculation for these items to include measurement of the turf area along the slope, providing more accurate quantities. This was included with software maintenance release updates on March 30, 2018. Training videos will be posted on the CADD website at <http://www.fdot.gov/cadd/downloads/webinars/Posted.shtm#loadSection> An update session will also be presented at the FDOT Transportation Symposium <http://www.fdot.gov/design/Training/TransportationSymposium/2018/default.shtm>

IMPLEMENTATION

Effective for projects with construction lettings after January 1, 2019. Earlier implementation is permitted, at the discretion of the District Design Engineer.

CONTACTS

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