



Florida Department of Transportation

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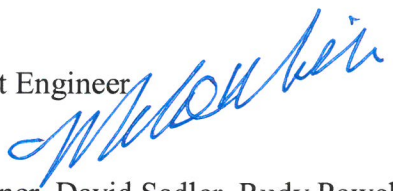
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JIM BOXOLD
SECRETARY

PROGRAM MANAGEMENT BULLETIN 16-06

DATE: October 7, 2016

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

FROM: Mark Wilson, State Program Management Engineer 

COPIES: Brian Blanchard, Phillip Gainer, Tim Lattner, David Sadler, Rudy Powell, Tim Ruelke, Amy Tootle, Bruce Dana, Gregory Schiess, Trey Tillander, Greg Davis, Dan Hurtado, Michael Shepard, and Dan Scheer

SUBJECT: Clearing and Grubbing

The Clearing and Grubbing specification, Section 110, was recently updated to address two main issues:

1. Selective Clearing and Grubbing (addressed in a separate bulletin)
2. Removal of Existing Concrete: the new spec will require separate payment for removal of sidewalk, curb (includes curb and gutter, traffic separators, etc., per specification), and ditch and slope pavement.

Specification changes to Sections 520, 521, 522, and 524 have also been completed, to coordinate with the requirements below. These specification changes, as well as Section 110, will be effective with the July 2017 lettings.

REQUIREMENTS

Update plans and pay items as follows:

Note: Although the Section 110 specification changes were limited to vegetation and Removal of Existing Concrete, all of the current and proposed pay items are presented below, to clarify the use of each pay item, per the updated specification.

Pay item **110-1-1, Standard Clearing and Grubbing, Lump Sum**, will continue to be used for:

1. All areas where excavation is to be done including borrow pits, lateral ditches, right-of-way ditches, etc.
2. All areas where roadway embankments will be constructed.
3. All areas where structures will be constructed including pipe culverts and other pipe lines.

For standard clearing and grubbing, do not include (duplicate) quantities for the areas identified as selective clearing and grubbing.

Pay item **110-2-1, Clearing and Grubbing (Push Button Contract), Acre**, was not changed. This item is used by Maintenance and Traffic Ops, as needed on Push Button Contracts where the 110-1-1 Clearing and Grubbing, Lump Sum pay item cannot be used.

Pay Item **110-2-A, Selective Clearing and Grubbing, Acre**, will be used where Selective Clearing and Grubbing has been identified in the plans. A separate bulletin has been issued to address these items.

Pay Item **110-3, Removal of Existing Structures, Lump Sum**, will transition to "**Removal of Existing Bridges**", per the specification.

- Either pay item description is acceptable in the plans for projects let through December 2017.
- Approach Slabs to be removed will be included under this pay item.
- For Push Button/Maintenance Contracts, additional pay items are available with Square Foot and Linear Foot units.

Pay Item **110-4-AA, Removal of Existing Concrete, Square Yard**, will be used for removal of various types of existing concrete. The area(s) of each type of concrete must be shown, by location, on the Summary of Clearing and Grubbing and Removal Items.

For sidewalk, curb elements (curb, curb and gutter, traffic separators, etc.), ditch pavement, and rigid concrete pavement, the quantity will be measured and paid based on the plan area/projected horizontal plane. Sections 520, 521, 522, and 524 have been updated; removal of existing concrete will no longer be included in the cost of the new curb, sidewalk, or ditch/slope pavement.

For removal of existing walls, the quantity will be measured and paid based on the wall length and exposed average height (projected vertical area). Section 521 has been updated; removal of barrier wall will no longer be included in Section 521.

The updated pay item structure will be:

110- 4- AA Removal of Existing Concrete

AA= Type, Valid through June 2017:

Blank, LS/SF

1 (Concrete Sidewalk- for Push Button/Maintenance only) SF

2 (Slope Pavement- for Push Button/Maintenance only) SF

AA= Type, Effective July 2017

10 (blank) SY

No change was made to either **110-5- Plugging Water Well- Artesian, Each** or **110-6- Plugging Water Well- Non-Artesian, Each**. The type of well is identified by the pay item number.

No change was made to either **110-7- Mailbox, Each** or **110- 86- Delivery of Salvageable Material for FDOT, Lump Sum**. Remember to quantify each of the above pay items, by location, on the appropriate summary box.

COMMENTARY

The changes above were initiated due to requests from Industry to separate payment for removal of sidewalk and curb from the new installations. While the Department has previously paid for removal of sidewalk and curb under Clearing and Grubbing, there was confusion regarding when the Lump Sum pay item or the Square Yard pay item was to be used. A team from the Construction, Design, and Program Management Offices began to review the applicable specifications for Sections 110, 520, 521, 522, and 524.

When considering the measurement and payment for Clearing and Grubbing, we had several options:

- Lump Sum Clearing and Grubbing: While this method of measurement works well for trees, brush, roots, and other items identified in the specification, the equipment and labor costs for removal of concrete are considerably higher.
- Removal of Concrete, Single Item: While a single pay item would allow the Department to separate removal costs from the new installations, the equipment and labor costs still vary for sidewalk vs. concrete pavement, or perimeter wall vs. retaining wall. Each type of concrete to be removed (sidewalk, curb, pavement, retaining wall, barrier wall, etc.) will need to be identified on the summary box.
- Removal of Concrete, Multiple Items: While multiple pay items seem to add additional work, with the automation included in CADD software for design, the work effort will remain the same as that for a single item.

The Department is always trying to find a balance in the number of pay items used to complete the work. Estimators and Contractors generally prefer separate pay items which allow for consistent documentation, cost history and easier adjustments. Designers generally prefer fewer pay items, with variations noted in the plans. After several discussions with Design, Construction, and our Industry partners, we have decided to use the single, square yard pay item.

IMPLEMENTATION

The requirements for this bulletin are effective on all design-bid-build projects let July 2017 and later. Early Implementation- prior to July 2017, is NOT permitted, due to the coordination with multiple specifications and pay item numbers.

The Basis of Estimates database within the Design Quantities and Estimates (DQE) program has been updated.

The Basis of Estimates, Chapter 8- Summary Boxes, will include an example (shown below) of various types of concrete to be removed.

Program Management Bulletin 16-06

Clearing and Grubbing

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS												
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNITS	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA.	TO STA.				P	F	P	F		
0110 4 10	REMOVAL OF EXISTING CONCRETE	700+71.00	TO 703+71.00	RT	19624	SY	134.0		1640		TRAFFIC SEPARATOR	
		701+34.00	TO 705+70.99	LT	19434		291.3				SIDEWALK	
		701+38.50	TO 707+36.58	LT	19634		43.4				GRAVITY WALL	
		703+52.34	TO 708+36.74	RT	19635		233.9				RETAINING WALL	
		705+70.99	TO 712+37.08	RT	18843		421.9				SIDEWALK	
		705+70.99	TO 712+37.08	LT	18838		466.2				SIDEWALK	
		713+25.23	TO 714+25.97	LT	19629		49.2				TRAFFIC SEPARATOR	

CONTACT

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