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**Montana Department of Transportation**

PO Box 201001  
Helena, MT 59620-1001

***Memorandum***

To: e-Distribution  
See Below

From: James Combs, P.E.  
Highways Engineer

Date: October 18, 2019

Subject: Bid Item Changes (*Revision to August 13, 2019 memo*)

H-pile and pipe pile have different specifications. It is easier for project documentation during construction if materials with different specification requirements are provided as separate bid items. As such the August 13, 2019 Bid Item Changes memo is revised and replaced to provide separate furnish pipe and H-pile. Additional revisions to the August 13, 2019 memo are italicized in blue.

Bid items have unnecessarily become overly precise and excessive. New bid items are often created when an item of a different size or composition is incorporated into a project. Separate bid items that are infrequently used have little to no value generating meaningful bid history. The excessive number of detailed bid items also encourages referencing the bid item to interpret the work involved. This is undesirable and not the purpose of bid items. Contract specifications, special provisions and plans are the appropriate means to communicate design intent and specific contractual conditions relative to bid items.

The intention of this guidance is to modify bid items that are rarely used and create more broad categories or bid them in different units so that bid items can be combined. For example, we currently have separate bid items for different sizes of hydrodynamic separators. This item is rarely used, and prices do not vary greatly between sizes, therefore a replacement bid item will be created without a size designation so that a single bid item can be used for any of these items.

The following two tables show Drilled Shaft Casing and Furnish Steel Pile bid items. The bid item units have changed to allow single bid items for Drilled Shaft Casing, *Furnish Steel Pile-Pipe and Furnish Steel Pipe - HP*. The new bid item is highlighted at the bottom of the table.

Bid item #	Bid item name	Unit
558001000	DRILLED SHAFT CASING - 2.5 FT	LNFT
558001020	DRILLED SHAFT CASING - 3.0 FT	LNFT
558001040	DRILLED SHAFT CASING - 3.5 FT	LNFT
558001060	DRILLED SHAFT CASING - 4.0 FT	LNFT
558001080	DRILLED SHAFT CASING - 5.0 FT	LNFT
558001100	DRILLED SHAFT CASING - 6.0 FT	LNFT
558001120	DRILLED SHAFT CASING - 6.5 FT	LNFT
558001140	DRILLED SHAFT CASING - 7.0 FT	LNFT
558001160	DRILLED SHAFT CASING - 7.5 FT	LNFT
558001165	DRILLED SHAFT CASING-5.5 FT	LNFT
558001180	DRILLED SHAFT CASING - 8.0 FT	LNFT
558001200	DRILLED SHAFT CASING - 8.5 FT	LNFT
558001220	DRILLED SHAFT CASING - 11.75 FT	LNFT
558001225	DRILLED SHAFT CASING	LB

Bid item #	Bid item name	Unit
559030091	FURN STEEL PIPE PILE 24 X 3/4 IN	LNFT
559030093	FURN STEEL PILE HP 12 X 74	LNFT
559050070	FURN STEEL PILE HP 10 X 42	LNFT
559050075	FURN STEEL PILE HP 12 X 53	LNFT
559050077	FURN STEEL PILE HP 12 X 84	LNFT
559050080	FURN STEEL PILE HP 14 X 89	LNFT
559050081	FURN STEEL PILE HP 14 X 102	LNFT
559050082	FURN STEEL PILE HP 14 X 117	LNFT
559050085	FURN STEEL PILE HP 14 X 73	LNFT
559050090	FURN STEEL PIPE PILE 12 X 1/2 IN	LNFT
559050092	FURN STEEL PIPE PILE 12 3/4 X 1/2 IN	LNFT
559050093	FURN STEEL PIPE PILE 14 X 1/2 IN	LNFT
559050095	FURN STEEL PIPE PILE 14 X 3/8 IN	LNFT
559050103	FURN STEEL PIPE PILE 16 X 1/2 IN	LNFT
559050104	FURN STEEL PIPE PILE 16 X 5/8 IN	LNFT
559050105	FURN STEEL PIPE PILE 16 X 3/4 IN	LNFT
559050106	FURN STEEL PIPE PILE 18 X 1/2 IN	LNFT
559050110	FURN STEEL PIPE PILE 20 X 1/2 IN	LNFT
559050112	FURN STEEL PIPE PILE 24 X 1/2 IN	LNFT
559050114	FURN STEEL PIPE PILE 24 X 1 IN	LNFT
559050115	FURN STEEL PILE-PIPE	LB
559050117	FURN STEEL PILE-HP	LB

The bid tabs do not show evidence that pile size significantly affects the price of pile driving. Location, project staging, and competition are the significant drivers in pile driving pricing. The bid items for pile driving have been reduced to two bid items as shown in the table below.

Bid item #	Bid item name	Unit
559030092	DRIVE STEEL PIPE PILE 24 X 3/4 IN	LNFT
559030094	DRIVE STEEL PILE HP 12 X 74	LNFT
559060067	DRIVE STEEL PILE HP 8 X 36	LNFT
559060070	DRIVE STEEL PILE HP 10 X 42	LNFT
559060075	DRIVE STEEL PILE HP 12 X 53	LNFT
559060077	DRIVE STEEL PILE HP 12 X 84	LNFT
559060080	DRIVE STEEL PILE HP 14 X 73	LNFT
559060081	DRIVE STEEL PILE HP 14 X 89	LNFT
559060082	DRIVE STEEL PILE HP 14 X 102	LNFT
559060085	DRIVE STEEL PILE HP 14 X 117	LNFT
559060090	DRIVE STEEL PIPE PILE 12 X 1/2	LNFT
559060091	DRIVE STEEL PIPE PILE 18 X 1/2	LNFT
559060092	DRIVE STEEL PIPE PILE 12 3/4 X 1/2	LNFT
559060096	DRIVE STEEL PIPE PILE 14 X 1/2 IN	LNFT
559060101	DRIVE STEEL PIPE PILE 14 X 3/8	LNFT
559060103	DRIVE STEEL PIPE PILE 16 X 1/2	LNFT
559060104	ROTARY DRILL STEEL PIPE PILE 16 X 5/8 IN	LNFT
559060105	DRIVE STEEL PIPE PILE 20 X 3/4	LNFT
559060106	DRIVE STEEL PIPE PILE 22 X 1/2	LNFT
559060107	DRIVE STEEL PIPE PILE 16 X 3/4	LNFT
559060110	DRIVE STEEL PIPE PILE 20 X 1/2	LNFT
559060112	DRIVE STEEL PIPE PILE 24 X 1/2	LNFT
559060115	DRIVE STEEL PILE	LNFT
559060120	ROTARY DRILL STEEL PILE	LNFT

The following tables show bid items that are rarely used and the new generic bid item to be used in their place. New bid items are shown highlighted in yellow.

Bid item #	Bid item name	Unit
604020090	HYDRODYNAMIC SEPARATOR-72 IN (1830 MM)	EACH
604020095	HYDRODYNAMIC SEPARATOR-96 IN (2440 MM)	EACH
604020085	HYDRODYNAMIC SEPARATOR	EACH

Bid item #	Bid item name	Unit
615010215	SLIDEGATE 30 IN (760 MM)	EACH
615010217	SLIDEGATE 10 IN (250 MM)	EACH
615010220	SLIDEGATE 12 IN (300 MM)	EACH
615010225	SLIDEGATE	EACH

Bid item #	Bid item name	Unit
617130066	DECORATIVE LUMINAIRE POLE-TYPE 1	EACH
617130067	DECORATIVE LUMINAIRE POLE-TYPE 2	EACH
617130070	DECORATIVE LUMINAIRE POLE-TYPE 3	EACH
617300065	DECORATIVE LUMINAIRE POLE	EACH

Bid item #	Bid item name	Unit
617333110	SERV ASSEMB-10 AMP	EACH
617333115	SERV ASSEMB-15 AMP	EACH
617333120	SERV ASSEMB-20 AMP	EACH
617333125	SERV ASSEMB-400 AMP	EACH
617333130	SERV ASSEMB-30 AMP	EACH
617333140	SERV ASSEMB-40 AMP	EACH
617333145	SERV ASSEMB-45 AMP	EACH
617333150	SERV ASSEMB-50 AMP	EACH
617333160	SERV ASSEMB-60 AMP	EACH
617333170	SERV ASSEMB-70 AMP	EACH
617333195	SERV ASSEMB-100 AMP	EACH
617333198	SERV ASSEMBLY-200 AMP	EACH
617333105	ELEC SERV ASSEMB	EACH

Bid item #	Bid item name	Unit
617605041	CONTLR/TRAF-ACTUAT TYPE 4-A	EACH
617605081	CONTLR/TRAF-ACTUAT TYPE 8-A	EACH
617609041	CONTLR/TRAF-ACTUAT TYPE 4-A	EACH
617609081	CONTLR/TRAF-ACTUAT TYPE 8-A	EACH
617605040	CONTLR/TRAF-ACTUATOR	EACH
617609040	CONTLR/TRAF-ACTUATOR	EACH

Bid item #	Bid item name	Unit
617903260	BIKE/PEDESTRIAN COUNTER-TYPE 1	EACH
617903265	BIKE/PEDESTRIAN COUNTER-TYPE 2	EACH
617903270	BIKE/PEDESTRIAN COUNTER	EACH

The new bid items will be used for projects letting after January 1, 2020 and the old bid items will be obsoleted on this date.

If you have any questions please contact Chad Richards at 444-6944.

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