

## PERMANENT CHANGES TO PROJECT DATED SPECIAL PROVISIONS

### REVISION OF SECTION 502 DRILLING HOLES TO FACILITATE PILE DRIVING

<u>DATE</u>	<u>AUTHOR</u>	<u>DESCRIPTION OF CHANGE</u>
1984	----	CREATED
12/23/91	MAL	Revised subsection references to conform with 1991 Standard Specifications Book. Added notes regarding filling of oversized holes and payment for the slurry.  Minor revisions to format.
9/20/1999	M.Nord	Converted to Microsoft Word 97 SR-2  Revised the specification references to conform with the <i>1999 Colorado DOT Standard Specifications for Road and Bridge Construction</i> as follows:  On page one, changed 502.07 to 502.06 because Drilling Holes to Facilitate Pile Driving is now 502.06.  On page one, changed 502.14 to 502.13 because Basis of Payment is now 502.13.  On page one, deleted "Payment will be made under:", "Pay Item", "Pay Unit", "Drilling Hole to Facilitate Pile Driving", and "Linear Foot" because they appear in 502.13.

REVISION OF SECTION 502  
DRILLING HOLE TO FACILITATE PILE DRIVING

Section 502 of the Standard Specifications is hereby revised for this project as follows:

Subsection 502.06 shall include the following:

When the plans call for drilled holes filled with slurry or mud made from clay or bentonite, the diameter of the drilled holes shall be at least two inches greater than either the pile diameter or the diagonal corner to corner measurement of the pile cross section, unless otherwise designated on the plans. Oversized holes due to sloughing, drifting, over-drilling, or other causes shall be filled with the accepted slurry or mud at the contractor's expense.

The following mixture will yield approximately 1.2 cubic yards of an acceptable slurry or mud:

50 lbs. dry bentonite powder  
Approximately 125 gallons of water (or sufficient amount to make a pourable mix)  
1 cubic yard of sand; (approximately 2800 lbs.) reasonably free of material larger than 1/2 inch.

The sand need not be clean. Local soil reasonably free of material larger than 1/2 inch may be substituted for the sand. Cement, lime, flyash, or other pozzolanic or highly alkaline materials shall not be added.

This mixture may be mixed by auger in the drilled hole, by paddle type mortar mixers, by portable or semiportable concrete mixers, or by drum type concrete mixer trucks.

If the mixture is placed or mixed in the hole prior to pile driving, the top two to three feet of the hole may be filled with loose local soil to prevent splashing of the slurry or mud.

Subsection 502.13 shall include the following:

The unit price shall include payment for all work and materials related to furnishing and placing the slurry or mud.