Montana Department of Transportation **CONSTRUCTION MEMO**	Date Issued: May 18, 2009 Date Effective: May 18, 2009 Related Specifications: 559 (Piling)
Subject: Pile Driving Logs	

To: District Construction Engineers

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Construction Engineering Services Engineer

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This memo defines the pile driving logs submittal process.

Pile driving logs are an important part of project documentation. The Geotechnical Section needs driving logs for every pile driven, as the data is used to determine and document the adequacy of the pile, help investigate future problems if they occur, and to aid in the design of other projects. It should be noted that the pile driving data provides the only verification of pile capacity. In comparison, a drilled shaft, where verification of capacity is generally not economically feasible, must be more conservatively designed.

Submit this form daily to your District Geotechnical Engineer, by email, when pile driving operations are underway. The saximeter data can also be included in this email, but the pile driving form still needs to be completed.

It is not uncommon to have some missing data, such as the first few feet of the pile log. It is still important to provide any data that is collected since even partial driving logs can be very useful.

If you have any driving logs, or partial logs for any pile driving operation that have not been sent to the Geotechnical Section, please forward them to the Geotechnical Section (even for older projects).

Pipe piling is to be inspected after driving to measure the depth to the plug (open end piles) as well as the pile condition (top deformation) and the bottom condition (closed end piles). This information on the depth of plug will help improve the accuracy of pile quantities needed and the condition of the pile can provide additional information about the actual hammer performance compared to design assumptions.

Following is the link to the driving log form:
http://mdtinfo.mdt.mt.gov/other/const/internal/forms/rev_pile_driving_log.xls

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