



PILE DRIVING REPORT

(English)

SEE INSTRUCTIONS ON OTHER SIDE

<p>PILE HAMER DATA</p> <p><input type="checkbox"/> DROP (Gravity)</p> <p><input type="checkbox"/> SINGLE ACTING (Power)</p> <p><input type="checkbox"/> DOUBLE ACTING (Power)</p> <p>Make and Model: _____</p> <p>Max. Rated Energy _____ (ft. lbs.)</p> <p>Weight of Ram (piston) _____ (lbs.)</p> <p>Weight of Cap _____ (lbs.)</p>	<p>FORMULA USED</p> <p>TYPE OF PILE (include shell wall thickness) _____</p> <p>Cut-off Elevation: _____</p> <p>Contractor: _____</p>	<p>PROJECT DESCRIPTION</p> <p>Bridge No.: _____</p> <p>Location: _____</p> <p>County: _____ Dist. _____</p> <p>S.P. (or S.A.P.) No.: _____</p> <p>SUBSTRUCTURE</p> <p><input type="checkbox"/> Abutment N S E W</p> <p><input type="checkbox"/> Pier No. 1 2 3 4 or _____</p>
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1	2	3		4	5		6	7	8	9	10	11	12	13
DATE DRIVEN	PILE NO.	LENGTH (L. F.)		WEIGHT OF PILE (lbs.)	CUT-OFFS (feet)		DISTANCE BELOW CUT-OFF (feet)	FINAL ENERGY PER BLOW (ft. lbs.)	PENET. PER BLOW (inches)	BEARING IN (tons)	NET DRVG. TIME (min.)	AUTH. SPLICE	Mn/DOT CUT-OFF DRIVEN (feet)	REMARKS / REDRIVES
		FINAL AUTH.	ACTUAL TOTAL IN LEADS		ACTUAL	Mn/DOT								

14. OTHER REMARKS (IDENTIFY BY PILE NO.)

SUMMARY		PAY QUANTITIES	
PLAN NUMBER AND LENGTHS	PILING DELIVERED (L. F.)	Mn/DOT CUT-OFFS DRIVEN (L. F.)	
BRIDGE OFFICE RECOMMENDED NO. AND LENGTHS	PILING DRIVEN (L. F.)	NO. OF SPLICES	
15. AVERAGE DRIVEN LENGTH (L. F.)	NO. OF REDRIVES	NO. OF PILE TIP PROTECTION	
DESIGN BEARING (tons)	15. AVERAGE BEARING (tons)	TEST PILES (NUMBER AND LENGTH)	

INSPECTOR DURING DRIVING	PROJ. ENGINEER'S SIGNATURE	DATE: _____
		SHEET _____ OF _____

**INSTRUCTIONS FOR COMPLETING
PILE DRIVING REPORT**

General:

Field measurements to be to the nearest 0.1 ft..

Pile Data:

(Numbers correspond with numbers on front of form)

1. **DATE DRIVEN:** Use date on which driving was completed for each pile.
2. **PILE NO.:** Show number assigned to each pile, usually the same as the driving sequence.
3. **LENGTH (ft.) in leads:**
 - Final Auth.:** Use final length authorized for payment. Include any authorized test pile extension which exceeds the test pile plan length. (do not include State owned cut-offs used)
 - Actual Total in Leads:** Use the actual total length in leads used for final driving of the pile.
4. **WEIGHT OF PILE (lbs.):** Show computed weight to nearest ten pounds for actual total length in leads.
5. **CUT-OFFS (feet):**
 - Actual:** Actual length in leads less length below cut-off for each pile.
 - Mn/DOT:** Final authorized length in leads plus State owned cut-off placed in leads less length below cut-off for each pile.
6. **DISTANCE BELOW CUT-OFF (feet):** Actual length driven below cut-off.
7. **FINAL ENERGY PER BLOW (ft. lbs.):** Energy developed during final blows for computing final bearing. For single acting power-driven hammers, the energy per blow is equal to WH. When field determination of energy output is not practical, 75% of the manufacturer's maximum rated energy may be used for computations. (see Spec. 2452.3E2)
8. **PENETRATION PER BLOW (inches):** Calculate to three significant digits (1.25, 0.625 etc.) based on the last blows for gravity hammers and the last ten or twenty blows for power-driven hammers.
9. **BEARING IN (tons):** Show to the nearest ton. (see Spec. 2452.3E2 "Notes")
10. **NET DRIVING TIME (min.):** Actual time hammer is in operation driving the pile.
11. **AUTHORIZED SPLICES:** Number of splices eligible for payment. (see Spec. 2452.5)
12. **Mn/DOT CUT-OFFS DRIVEN (feet):** Length below cut-off less final authorized length.
13. **REMARKS:** Indicate depth of jetting or preboring and diameter of auger used, hit obstruction, butt splitting, sequence of lengths used to make up actual total length in leads, butt and tip diameters for timber piles, individual lengths of State owned cut-offs used, etc.
 - REDRIVES:** Use date on which re-driving was completed. Show bearing after redrive to the nearest ton.
14. **OTHER REMARKS:** To be used for other pertinent information.
15. **AVERAGE DRIVEN LENGTH AND BEARING:** Do not include test piles.

SHOW SKETCH BELOW

Show outline of footing, pile locations, and number assigned each pile. Show North arrow. Indicate test piles with prefix "T". Indicate direction of batter with arrows and note amount of batter.

DISTRIBUTION:

State Projects: ORIGINAL: Bridge Const. & Maint. Engineer (MS 610)

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FOR ALL PROJECTS:

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