Minnesota Department of Transportation - Bridge Office

TEST PILE REPORT

(MPF12)

SEE INSTRUCTIONS ON BACK SIDE

PILE HAMMER DATA	PILE DATA	PROJECT DESCRIPTION
TYPE: SINGLE ACTING (Power)	TEST PILE NO.:	BRIDGE NO.:
MAKE:	TEST PILE TYPE: SELECT A PILE	S.P. (OR S.A.P.) NO.:
	SIZE: SELECT A SIZE	COUNTY: SELECT A COUNTY
MODEL:	LENGTH IN LEADS (FT):	DIST.: SELECT A DISTRICT
	CUT-OFF ELEV. (FT):	**SUBSTRUCTURE**
WT. RAM (PISTON): (lbs.)		ABUTMENT:
MAX. RATED ENERGY: (ft.lbs.)		PIER NO.:
INSP BY:	INSP. PHONE NO:	CONTRACTOR:

DISTANCE BELOW CUT-OFF (feet)	DROP OF HAMMER OR RAM (feet)	ENERGY PER BLOW (ft. lbs.)	BLOWS		PENET. PER BLOW (inches)	**BEARING IN TONS**	DISTANCE BELOW CUT-OFF (feet)	DROP OF HAMMER OR RAM (feet)	ENERGY PER BLOW (ft. lbs.)	BLOWS		PENET. PER BLOW (inches)	**BEARING IN TONS**
			PER FOOT	PENET IN LAST 10 (inches)						PER FOOT	PENET IN LAST 10 (inches)		

DATE:		REMARKS ON DRIVING CONDITIONS, PRE-BORING, ETC. (IDENTIFY BY PENET. DISTANCE.)
START DRIVING TIME:		SETUP INCREASE (%)
END DRIVING TIME:		
DOWN TIME:		
TOTAL DRIVING TIME:		

FORMULA USED	MPF12 $R_n = 20 \times \sqrt{\frac{W \times H}{1000}} \times \log\left(\frac{10}{S}\right)$	MPF12 R_n (tons)	MIN. TIP ELEVATION	PDA R_n (tons)

INSPECTOR SIGNATURE	PROJECT ENGINEER SIGNATURE	BRIDGE OFFICE (Initial and Date)

INSTRUCTIONS FOR COMPLETING
TEST PILE REPORT

Pile Data:

1. Select type of pile as CIP, H-Pile, Treated Timber, Precast Concrete, etc.
2. Show **Size** of pile; when using timber pile show butt and tip size to the nearest one-half inch. Be certain that diameters comply with the specifications. Butt diameters should be measured 3 feet from the butt end.
3. **Length in Leads** should be total length in leads in feet.
4. **INSP. BY** should be the pile driving inspector (print or type name).

Column Tabulation:

5. **ENERGY PER BLOW (ft. lbs.)** is equal to WH, for single acting power-driven hammers.
6. **PENET. PER BLOW (inches)** may be based on blows per foot or on a measured penetration for a given number of blows, and should be calculated in inches and decimals of inches.
7. **BEARING IN TONS** should be shown to the nearest ton.

SHOW SKETCH BELOW

Show sketch indicating location of test pile. Show North arrow.

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