Minnesota Department of Transportation - Bridge Office

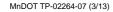


**TEST PILE REPORT** 



(MPF12)

D	PILE HAMMER DATA											SEE INSTRUCTIONS ON BACK SIDE PROJECT DESCRIPTION				
TYPE:	PILE DATA TEST PILE NO.:					BRIDGE NO.:										
				TEST PILE TYPE: SELECT A PILE						S.P. (OR S.A.P.) NO.:						
MAKE:				SIZE: SELECT A S				COUNTY: SELECT A COUNTY								
				LENGTH IN LEADS (FT):					DIST.: SELECT A DISTRICT							
MODEL:				CUT-OFF ELEV. (FT):						SUBS	TRUCTU	RE				
WT. RAM (PISTON): (lbs.)									ABUTMENT:							
MAX. RATED ENERGY: (ft.lbs.)									PIER NO.:							
INSP BY:				INSP. PHONE NO:					CONTRACTOR:							
DISTANCE	DROP OF	ENERGY	BLC	OWS	PENET.	<b></b>	DISTANCE	DROP OF	ENERGY	BLOWS		PENET.	<u> </u>			
BELOW	HAMMER	PER		PENET	PERET.	BEARING	BELOW	HAMMER	PER		PENET	PER	BEARING			
CUT-OFF	OR RAM	BLOW	PER	IN LAST	BLOW	IN TONS	CUT-OFF	OR RAM	BLOW	PER	IN LAST		IN TONS			
(feet)	(feet)	(ft. lbs.)	FOOT	10 (inches)	(inches)		(feet)	(feet)	(ft. lbs.)	FOOT	10 (inches)	(inches)				
				(incres)							(Inches)					
				1						1			1			
									-							
									+	+						
									1							
		1	1	1	1			1		1	1		1			
DATE:				REMARK	S ON DRI	VING COND	ITIONS, PRE	-BORING, E	TC. (IDENTIFY	BY PENE	. DISTAN	CE.)				
START DRIVING TIME:					SETUP INCREASE (%)											
END	DRIVING TIME:							-								
	DOWN TIME:			1												
TOTAL	DRIVING TIME:			<u> </u>												
FORMULA USED $MPF12$ $R_n = 20 \times \sqrt{\frac{W \times H}{1000}} \times \log\left(\frac{10}{s}\right)$			MPF12 R <sub>n</sub> (tons) MIN. TIP ELEVATION					PDA R <sub>n</sub> (tons)								
		100	0													
	INSPECTOR SIGNATURE				PROJECT ENGINEER SIGNATURE				BRIDGE OFFICE (Initial and Date)							
INSPECTOR	SIGNATURE			FROJEC		ER SIGNAT	UKE		DRIDGE OFFIC	E (Initial a	anu Dale)					



## INSTRUCTIONS FOR COMPLETING TEST PILE REPORT

## <u>Pile Data:</u>

- 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.

DISTRIBUTION: <u>State Projects:</u> Original: MNDOT Bridge Const. & Maint. Engineer (MS 610) <u>County or Municipal Projects:</u> Original: County or Municipal Engineer <u>Railroad Projects:</u> Copy: Railroad Copy: Engineer