

**WYOMING DEPARTMENT OF TRANSPORTATION
PILE DRIVING REPORT**

FORM E-74
Rev. 10/20

PROJECT NO. _____
ROAD _____
COUNTY _____
DATE SUBMITTED _____

BRIDGE OVER _____
STATION _____
NO. OF SPANS _____
TOTAL LENGTH OF BRIDGE _____
TYPE OF PILES _____

INSPECTOR _____

MAKE AND MODEL OF HAMMER _____

TYPE(AIR, STEAM, DIESEL) _____
CUSHION/CAP/HELMET _____

WEIGHT OF RAM _____
ENERGY RATING _____

DATE DRIVEN	LOCATION	PILE NO. PLAN	SIZE OF PILE	PLAN LENGTH (FT.)	FINAL LENGTH POINT TO CUTOFF (FT.)	TOTAL PENE- TRATION (FT.)	JETTING (FT.)	PRE- BORING (FT.)	NO. OF SPLICES (EA.)	AVE. BLOW COUNT PER INCH OF LAST 6 INCHES	REMARKS
TOTAL:				0.0	0.0	0.0	0	0	0		

INSTRUCTIONS

Sheet should include as many piles driven at one bridge as possible, in which case dates of different drivings can be shown.
Bents to be numbered 1, 2, 3 etc. in direction stations are numbered.
Piles in bents to be numbered 1, 2, 3 etc. from left to right.
Give number of abutment or pier on foundation work and send sketch showing scheme for numbering piles when above numbering system is inadequate.

"Cushion/Cap/Helmet": Type of Material, Nominal Size and Thickness.
"Type of piles": Steel bearing, cast-in-place, reinforced concrete, treated timber or untreated timber.
"Location": Abutment, Pier or Bent Number.
"Size": Diameter of butt and point for timber piles.
Diameter and thickness of pile shell for cast-in-place piles.
Depth and weight per foot for steel bearing piles.
Cross section dimensions for reinforced concrete piles.

SEND ONE COPY TO BRIDGE DIVISION WITH FINAL SUMMARIES.

Pile Group			Pile Group			Pile Group			Pile Group			Pile Group			Pile Group					
Depth ft.	Blows blows/foot	Stroke ft.	Depth ft.	Blows blows/foot	Stroke ft.	Depth ft.	Blows blows/foot	Stroke ft.	Depth ft.	Blows blows/foot	Stroke ft.	Depth ft.	Blows blows/foot	Stroke ft.	Depth ft.	Blows blows/foot	Stroke ft.	Depth ft.	Blows blows/foot	Stroke ft.
5-6			5-6			5-6			5-6			5-6			5-6			5-6		
6-7			6-7			6-7			6-7			6-7			6-7			6-7		
7-8			7-8			7-8			7-8			7-8			7-8			7-8		
8-9			8-9			8-9			8-9			8-9			8-9			8-9		
9-10			9-10			9-10			9-10			9-10			9-10			9-10		
10-11			10-11			10-11			10-11			10-11			10-11			10-11		
11-12			11-12			11-12			11-12			11-12			11-12			11-12		
12-13			12-13			12-13			12-13			12-13			12-13			12-13		
13-14			13-14			13-14			13-14			13-14			13-14			13-14		
14-15			14-15			14-15			14-15			14-15			14-15			14-15		
15-16			15-16			15-16			15-16			15-16			15-16			15-16		
16-17			16-17			16-17			16-17			16-17			16-17			16-17		
17-18			17-18			17-18			17-18			17-18			17-18			17-18		
18-19			18-19			18-19			18-19			18-19			18-19			18-19		
19-20			19-20			19-20			19-20			19-20			19-20			19-20		
20-21			20-21			20-21			20-21			20-21			20-21			20-21		
21-22			21-22			21-22			21-22			21-22			21-22			21-22		
22-23			22-23			22-23			22-23			22-23			22-23			22-23		
23-24			23-24			23-24			23-24			23-24			23-24			23-24		
24-25			24-25			24-25			24-25			24-25			24-25			24-25		
25-26			25-26			25-26			25-26			25-26			25-26			25-26		
26-27			26-27			26-27			26-27			26-27			26-27			26-27		
27-28			27-28			27-28			27-28			27-28			27-28			27-28		
28-29			28-29			28-29			28-29			28-29			28-29			28-29		
29-30			29-30			29-30			29-30			29-30			29-30			29-30		
30-31			30-31			30-31			30-31			30-31			30-31			30-31		
31-32			31-32			31-32			31-32			31-32			31-32			31-32		
32-33			32-33			32-33			32-33			32-33			32-33			32-33		
33-34			33-34			33-34			33-34			33-34			33-34			33-34		
34-35			34-35			34-35			34-35			34-35			34-35			34-35		
35-36			35-36			35-36			35-36			35-36			35-36			35-36		
36-37			36-37			36-37			36-37			36-37			36-37			36-37		
37-38			37-38			37-38			37-38			37-38			37-38			37-38		
38-39			38-39			38-39			38-39			38-39			38-39			38-39		
39-40			39-40			39-40			39-40			39-40			39-40			39-40		
40-41			40-41			40-41			40-41			40-41			40-41			40-41		
41-42			41-42			41-42			41-42			41-42			41-42			41-42		
42-43			42-43			42-43			42-43			42-43			42-43			42-43		
43-44			43-44			43-44			43-44			43-44			43-44			43-44		
44-45			44-45			44-45			44-45			44-45			44-45			44-45		
45-46			45-46			45-46			45-46			45-46			45-46			45-46		
46-47			46-47			46-47			46-47			46-47			46-47			46-47		
47-48			47-48			47-48			47-48			47-48			47-48			47-48		
48-49			48-49			48-49			48-49			48-49			48-49			48-49		
49-50			49-50			49-50			49-50			49-50			49-50			49-50		

INSTRUCTIONS

In lieu of using a saximeter from Geology, a smartphone application (Pile Driving) is available for download for a small fee that performs the same tasks as a saximeter.

Record blowcount per foot for first pile driven in each Pile Group at each Abutment, Pier or Bent location, excluding the initial 5 feet.

The initial hammer stroke length should be estimated and recorded. Increasing or decreasing stroke length should be estimated to the nearest one half foot and recorded at the corresponding depth.

Use additional sheets for pile lengths longer than 50 feet.

Pile Group given as Abutment 1, 2 or Bent 1, 2, 3, etc. in direction stations are Numbered.