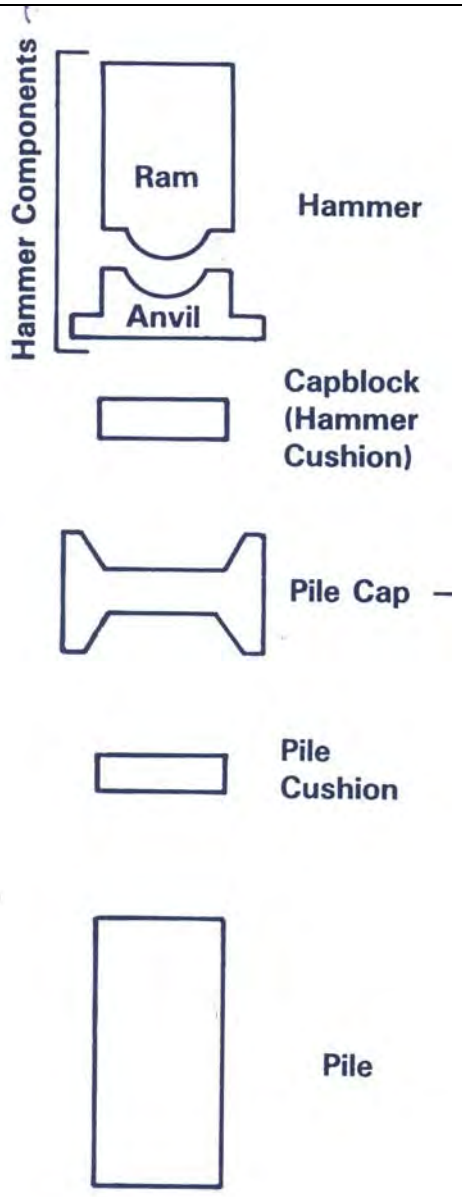
Pile and Driving Equipment Data Form

Project Name: PITTSFIELD
Project No.: ER BRF 022-1(23)
Route No.: RT 100

Structure Name: PITTSFIELD BRIDGE # 124
Structure No: BRIDGE # 124
Pile Driving Contractor: COLD RIVER BRIDGES, LLC
Foreperson: Adam Houle



Manufacturer: APE
Type: Diesel Impact Hammer
Rated Energy (kip-ft): 52,362
Length of Stroke (ft): 12'-6"
Model: D19-42
Serial No: 0309222

Modifications:

Material:
Thickness (in): 6 **Area (in^2):** 471
Modulus of Elasticity – E (ksi):
Coefficient of Restitution-e:

Also named:
Helmet
Bonnet
Anvil Block
Drivehead

Weight (lbs): 1076

Cushion material: Monocast MC 904
Thickness (in): 2 **Area (in^2):** 397.6
Modulus of Elasticity – E (ksi): 285
Coefficient of restitution – e: 0.8

Pile Type & Size: HP 14X74
Length (in Leads) (ft): 40
Weight (lb/ft): 74
Wall thickness (in):
Taper: N/A
Cross Sectional Area (in^2): 21.8
Ultimate Axial Pile Capacity (kips): 385 KIPS
Steel Yield Strength (ksi): 50 KSI
Description of Splice: WELDED VTRANS STANDARD
Tip Treatment Description: HARD POINT

Distribution- One copy each to:

☐ **State Structures Engineer**

☐ **State Soils & Foundations Engineer**

☐ **Resident Engineer:**

NOTE: If mandrel is used to drive the pile, please attach separate manufacturer's detail sheet(s), including weight and dimensions.

Submitted by: Chad Contaldi
Title: Project Manager

Date: 3-31-14