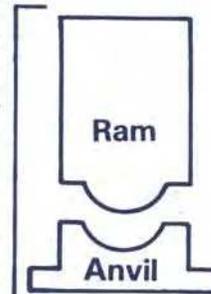
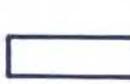
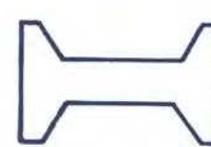




# Pile and Driving Equipment Data Form

<p><b>Project Name:</b> Guilford BRO 1442 (36)  <b>Project No.:</b>  <b>Route No.:</b> Hale Rd</p>	<p><b>Structure Name:</b> Hale RD  <b>Structure No:</b> Bridge No: 65  <b>Pile Driving Contractor:</b> Valley Crane Services, Inc.  <b>Foreperson:</b> Adam Houle</p>			
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 5px;">Hammer Components</div>  <div style="margin-left: 20px;">Hammer</div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 20px;">Capblock (Hammer Cushion)</div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 20px;">Pile Cap</div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 20px;"><del>Pile Cushion</del></div> </div> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;">Pile</div> </div> </div>	<p><b>Manufacturer:</b> APE  <b>Type:</b> Diesel Impact Hammer  <b>Rated Energy (kip-ft):</b> 52,362  <b>Length of Stroke (ft):</b> 12'-6"  <b>Model:</b> D19-42  <b>Serial No:</b> 0309222</p>			
	<p><b>Modifications:</b></p>			
	<p><b>Material:</b> Monocast MC 904 P Blue Nylon</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>Thickness (in):</b> 2</td> <td style="width: 50%;"><b>Area (in<sup>2</sup>):</b> 398</td> </tr> </table>		<b>Thickness (in):</b> 2	<b>Area (in<sup>2</sup>):</b> 398
	<b>Thickness (in):</b> 2	<b>Area (in<sup>2</sup>):</b> 398		
	<p><b>Modulus of Elasticity – E (ksi):</b></p>			
	<p><b>Coefficient of Restitution-e:</b></p>			
	<p><b>Also named:</b>          Helmet          Bonnet          Anvil Block          Drivehead</p>	<p><b>Weight (lbs):</b> 3000</p>		
<p><b>Cushion material:</b>  <b>Thickness (in):</b>                      <b>Area (in<sup>2</sup>):</b>  <b>Modulus of Elasticity – E (ksi):</b>  <b>Coefficient of restitution – e:</b></p>				
<p><b>Pile Type &amp; Size:</b> HP 14X89  <b>Length (in Leads) (ft):</b> 40  <b>Weight (lb/ft):</b> 89  <b>Wall thickness (in):</b> N/A  <b>Taper:</b> N/A  <b>Cross Sectional Area (in<sup>2</sup>):</b> 27  <b>Ultimate Axial Pile Capacity (kips):</b> 323  <b>Steel Yield Strength (ksi):</b> 50  <b>Description of Splice:</b>  <b>Tip Treatment Description:</b> POINT</p>				
<p><b>Distribution- One copy each to:</b></p> <p><input type="checkbox"/> State Structures Engineer</p> <p><input type="checkbox"/> State Soils &amp; Foundations Engineer</p> <p><input type="checkbox"/> Resident Engineer:</p>	<p><b>NOTE:</b> If mandrel is used to drive the pile, please attach separate manufacturer's detail sheet(s), including weight and dimensions.</p>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;"><b>Submitted by:</b> Charlie Ezequelle <b>Title:</b> Project Manager - Valley Crane</td> <td style="width: 30%;"><b>Date:</b> 3-19-14</td> </tr> </table>		<b>Submitted by:</b> Charlie Ezequelle <b>Title:</b> Project Manager - Valley Crane	<b>Date:</b> 3-19-14	
<b>Submitted by:</b> Charlie Ezequelle <b>Title:</b> Project Manager - Valley Crane	<b>Date:</b> 3-19-14			