<table>
<thead>
<tr>
<th>ROAD NAME</th>
<th>RR</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUNTY</td>
<td></td>
</tr>
<tr>
<td>STREAM NAME</td>
<td>Timber Canyon</td>
</tr>
<tr>
<td>STRUCTURE #</td>
<td>1</td>
</tr>
<tr>
<td>TYPE</td>
<td>Railroad Bridge</td>
</tr>
<tr>
<td>LENGTH</td>
<td></td>
</tr>
<tr>
<td>SIZE (W X H) &amp; SHAPE</td>
<td>Wood</td>
</tr>
<tr>
<td>MATERIAL</td>
<td>Top of Road EL</td>
</tr>
<tr>
<td>INLET/OUTLET TYPE</td>
<td></td>
</tr>
<tr>
<td>SPECIAL NOTE (Conditions, Blockage, etc)</td>
<td>Trestle bridge 4 sets of pins 6 columns per pier</td>
</tr>
<tr>
<td>HIGH WATER MARK (Description, Witness, and Date)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TYPE</th>
<th>CULVERT TYPE</th>
<th>MATERIAL</th>
<th>ROAD TO BED</th>
<th>INLET/OUTLET TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge</td>
<td>Number of Barrels</td>
<td>RCP (Reinforced Concrete Pipe)</td>
<td>Headwall Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope</td>
<td></td>
</tr>
<tr>
<td>Culvert</td>
<td>1) Circular</td>
<td>CMP (Corrugated Metal Pipe) Bittedum Coated Steel Timber Ductile Clay Masonry Rock</td>
<td>From Topo Map (FT.NGVD) or (FT.NAVD)</td>
<td></td>
</tr>
<tr>
<td>Dam</td>
<td>2) Rectangle (Span X Rise)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spillway</td>
<td>3) Elliptical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Riser Barrel</td>
<td>4) Con/Span</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outlet</td>
<td>5) Elevated Arch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6) Pipe Arch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7) Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Pier Shape**
1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

**Types (Shape) of Culvert**
1) Circular
2) Rectangle
3) Elliptical
4) Con/Span
5) Elevated Arch
6) Pipe Arch
7) Other

**Inlet/Outlet Type**
- Culvert with Headwall & Wingwalls
- Mitered to Conform to Slope
- Projecting from Fill
### CHANNEL INFORMATION

<table>
<thead>
<tr>
<th>ROAD TO BANK</th>
<th>CHANNEL TOP WIDTH</th>
<th>CHANNEL BOTTOM WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### BRIDGE INFORMATION

<table>
<thead>
<tr>
<th>DECK THICKNESS</th>
<th>TOP WIDTH</th>
<th>TOE WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>TC1 #210 - #213</td>
</tr>
</tbody>
</table>

![Diagram of bridge and channel information]

**Notes:**
- Little pipe moves slightly higher.
- 1.7", 1.9" pipeline crossing under D/S; pipes hang 10" above channel bottom.
- Old timber bridge.
- Vertical wood abutments:
  - Top of rail = 2" above floor.
  - Height = 2'10".
  - Small pipe is suspended.
  - Larger D/S pipe has 2 1/9" dia piers (pipes).
### Land Use

- U/s many trees
- D/s none

### Vegetative Cover

- U/s silty sand
- D/s cobbles

### Bed Material

- U/s thickly vegetated
- D/s clear

### General Channel Condition

- Very brushy U/s, mostly clear D/s, some brush on L bank, lateral erosion on L bank.

### Banks

- Final orchard
## STRUCTURE SURVEY TEMPLATE

**DATE**: 3.6.08

### ROAD NAME
- **Hwy 126**

### STREAM NAME
- **Timber Creek**

### STRUCTURE #
- **2**

### TYPE
- **Railroad Bridge**

### X,Y COORDINATE
- **Top of Road/EL**

### SPECIAL NOTE
- **Conditions, Blockage, etc**

### HIGH WATER MARK
- **Description, Witness, and Date**

### BRIDGE
- **Type**: Span Bridge
- **Pier Shape**: Culvert, Spillway, Riser Barrels

### CULVERT TYPE
- **Type**: Number of Barrels
  - 1) Circular
  - 2) Rectangular (Span X Rise)
  - 3) Elliptical
  - 4) Con/Span
  - 5) Elevated Arch
  - 6) Pipe Arch
  - 7) Other

### MATERIAL
- **RCP (Reinforced Concrete Pipe)**
- **CMP (Corrugated Metal Pipe)**
- **Bituminous Coated Steel**
- **Timber**
- **Ductile Clay**
- **Masonry Rock**

### ROAD TO BED
- **Height from Top of Road to Invert**

### INLET/OUTLET TYPE
- **Headwall**
- **Wingwalls Type 0°, 45°, 90°**
- **Projecting**
- **Flush with Slope**
- **MES (Mitered End Section)**
- **FES (Flared End Section)**

### NOTE: At outlet, outlet still has reduced opening height to 7′

### Pier Shape
- 1) Circular pier
- 2) Twined Cylinder pier
- 3) Elongated pier
- 4) Triangular nose
- 5) Square nose

### Types (Shape) of Culvert
- 1) Circular
- 2) Rectangular
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

### Inlet/Outlet Type
- **Culvert with Headwall & Wingwalls**
- **Mitered to Conform to Slope**
- **Projecting from Fill**
**CHANNEL INFORMATION**

<table>
<thead>
<tr>
<th>ROAD TO BANK</th>
<th>CHANNEL TOP WIDTH</th>
<th>CHANNEL BOTTOM WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BRIDGE INFORMATION**

<table>
<thead>
<tr>
<th>DECK THICKNESS</th>
<th>TOP WIDTH</th>
<th>TOE WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HYDRAULIC WIDTH</th>
<th>NUMBER OF PIERS</th>
<th>PIER THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**PHOTOS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;Photo List&gt;</td>
<td>@ inlet warped walls debris nose some debris @ bent conc lined inlet chute pier width ~ 8&quot;</td>
</tr>
</tbody>
</table>

TC2 #214~#217
Land Use

tall eucalyptus vs on L bank

Vegetative Cover

cobbles vs
siltation P/s

Bed Material

ill-defined, very brushy vs
coleink on bottom, silty trees on banks P/s

General Channel Condition

wet east bank, dense vegetation vs

Banks

orchard both banks vs & d/s
residue d/s on R bank

Overbanks

flush (vertical) outlet -- no uniques
# Structure Survey Template

**Road Name:** Private orchard Rd  
**County:** 
**Photo ID #:** 
**Structure #:** 3  
**X/Y Coordinate:** 

<table>
<thead>
<tr>
<th>Type</th>
<th>Length</th>
<th>Size (W x H) &amp; Shape</th>
<th>Material</th>
<th>Road to Bed</th>
<th>Inlet/Outlet Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Railroad Bridge</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Top of Road: EL</td>
</tr>
</tbody>
</table>

**Special Note**  
(Conditions, Blockage, etc)  

Arch - see sketch & pix

**High Water Mark**  
(Description, Witness, and Date)  

<table>
<thead>
<tr>
<th>Type</th>
<th>Culvert Type</th>
<th>Material</th>
<th>Road to Bed</th>
<th>Inlet/Outlet Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge</td>
<td>Number of Barrels</td>
<td>RCP (Reinforced Concrete Pipe)</td>
<td>Height from Top of Road to Invert</td>
<td>Headwall</td>
</tr>
<tr>
<td>Span Bridge</td>
<td>1) Circular</td>
<td>CMP (Corrugated Metal Pipe) Bitumus Coated</td>
<td></td>
<td>Wingwalls Type 0°, 45°, 90°</td>
</tr>
<tr>
<td>Pier Shape</td>
<td>2) Rectangle (Span X Rise)</td>
<td>Steel</td>
<td></td>
<td>Projecting</td>
</tr>
<tr>
<td></td>
<td>3) Elliptical</td>
<td>Timber</td>
<td></td>
<td>Flush with Slope</td>
</tr>
<tr>
<td>Culvert</td>
<td>4) Con/Span</td>
<td>Ductile</td>
<td></td>
<td>MES (Mitered End Section)</td>
</tr>
<tr>
<td>Spillway</td>
<td>5) Elevated Arch</td>
<td>Clay</td>
<td></td>
<td>FES (Flared End Section)</td>
</tr>
<tr>
<td>Riser Barrel</td>
<td>6) Pipe Arch</td>
<td>Masonry Rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outlet</td>
<td>7) Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Pier Shape**  
1) Circular pier  
2) Twin-Cylinder piers  
3) Elongated pier  
4) Triangular nose  
5) Square nose

**Types (Shape) of Culvert**  
1) Circular  
2) Rectangle  
3) Elliptical  
4) Con/Span  
5) Elevated Arch  
6) Pipe Arch  
7) Other

**Inlet/Outlet Type**  
- Culvert with Headwall & Wingwalls  
- Mitered to Conform to Slope  
- Projecting from Fill
### CHANNEL INFORMATION

<table>
<thead>
<tr>
<th>ROAD TO BANK</th>
<th>CHANNEL TOP WIDTH</th>
<th>CHANNEL BOTTOM WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### BRIDGE INFORMATION

<table>
<thead>
<tr>
<th>DECK THICKNESS</th>
<th>TOP WIDTH</th>
<th>TOE WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HYDRAULIC WIDTH</td>
<td>NUMBER OF PIERS</td>
<td>PIER THICKNESS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

![Diagram of bridge structure with annotations]

#### PHOTOS

- **Name**: TC3 #218 ~ #221
- **Description**: 4 min = 16 inches appears rock hewn, but once had cement form inside. Rub of stone & grout
<table>
<thead>
<tr>
<th><strong>Land Use</strong></th>
<th>orchard - steep hills</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vegetative Cover</strong></td>
<td>pine + oak</td>
</tr>
<tr>
<td><strong>Bed Material</strong></td>
<td>large rocks &amp; boulders</td>
</tr>
<tr>
<td><strong>General Channel Condition</strong></td>
<td>fairly clean vs - steep vs channel more brushy vs</td>
</tr>
<tr>
<td><strong>Banks</strong></td>
<td>irregular, rocky</td>
</tr>
<tr>
<td><strong>Overbanks</strong></td>
<td>steep orchard</td>
</tr>
</tbody>
</table>