**Structure Survey Template**

<table>
<thead>
<tr>
<th>JAD Name</th>
<th>Quiet Trail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stream Name</td>
<td>San Francisco</td>
</tr>
<tr>
<td>Structure #</td>
<td>1</td>
</tr>
</tbody>
</table>

<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)

dip crossing, paved, multiple low points

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

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**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>
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### BRIDGE INFORMATION

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![Diagram of bridge and channel information](image)

### PHOTOS

Name

Description

9 pictures
ADDITIONAL CHANNEL INFORMATION

Land Use
open, light residential

Vegetative Cover
some light brush, cottonwoods, Arundo

Bed Material
sand to cobbles

General Channel Condition
irregular, broad, meandering channel thread

Banks
low, undefined banks

clear

Overbanks
## STRUCTURE SURVEY TEMPLATE

### AD NAME
Unnamed Drift Crossing @ Shooting Range

### STREAM NAME
San Francisco

### STRUCTURE #
3 2

### X, Y COORDINATE

### TYPE
Railroad Bridge

### LENGTH

### SIZE (W X H) & SHAPE

### MATERIAL
Road to Bed
Top of Road EL

### INLET/OUTLET TYPE

### SPECIAL NOTE
(Conditions, Blockage, etc)
no structure, dip crossing.

### HIGH WATER MARK
(Description, Witness, and Date)

### TYPE
Bridge
Span Bridge
Pier Shape
Culvert
Dam
Outlet
iller Barrel

### CULVERT TYPE
Number of Barrels
1) Circular
2) Rectangle (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
Top of Road EL
From Topo Map (FT.NGVD) or (FT.NAHD)

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

### 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
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PHOTOS

Name Description

Two pictures

Handwritten note: Truck drives in many locations along the study sides. Note: did not stop at several other dirt crossings.
**Land Use**

- Open
- Light brush to free cinder

**Vegetative Cover**

- Sand to cobbles

**Bed Material**

- Broad, irregular

**General Channel Condition**

- Linn

**Banks**

- Hills, road

**Overbanks**
**Structure Survey Template**

<table>
<thead>
<tr>
<th>AD Name</th>
<th>County</th>
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<tr>
<td>San Francisco Road</td>
<td>LA</td>
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**Stream Name**

San Francisco

**Structure #**

2 3

**X, Y Coordinate**

Top of Road EL

**SPECIAL NOTE**

Bridge at 1/3 end of study reach

**High Water Mark**

(Description, Witness, and Date)

**Type**

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<th>CULVERT TYPE</th>
<th>MATERIAL</th>
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<td>Ductile</td>
<td>FSE (Frilled End Section)</td>
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<td>FES (Flared End Section)</td>
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<td>Pipe Arch</td>
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<td>From Topo Map</td>
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**Diagram with annotations:**
- **Top of Road**
- **Top Width**
- **Deck Thickness**
- **Pier Thickness**
- **Channel Top Width**
- **Channel Bottom Width**
- **Invert**

---

**Name**

**Description**: Single piers set, almost clear span

**Flow**

- 2' dia.  
- 2.5
- 81

**Skewed Crossing**

---

**Photos**: 4 pictures
ADDITIONAL CHANNEL INFORMATION

Open Space

Land Use

Thick brush, willow + arundo

Vegetative Cover

Gravel + cobbles

Bed Material

Rock into rock on the left side

General Channel Condition

Steep / rock on left

Banks

Channel is a canyon - steep walls on overbank

Overbanks

Softfil thickness ~ 2' to top of curb
Curb is 6" above road top
32" rail on top of curb - each side
~ 30' channel top width (perpendicular to flow)
(Bridge width is longer - skew)