

# STRUCTURE SURVEY TEMPLATE







				DATE	3-11-10
ROAD NAME	Ridge Grove			COUNTY	LA
STREAM NAME	Haskell Crn			PHOTO ID #	850-852
STRUCTURE #	①		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		overcrossing - no piers			
HIGH WATER MARK (Description, Witness, and Date)		stage meter shows soffit is ~ 14.5' from invert			
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape		Number of Barrels	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated	Height from Top of Road to Invert	Headwall Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope
Culvert		1) Circular	Steel	Top of Road EL	MES (Mitered End Section) FES (Flared End Section)
Dam		2) Rectangle (Span X Rise)	Timber	From Topo Map (FT.NGVD) or (FT.NAVD)	
Spillway		3) Elliptical	Ductile		
Riser Barrel		4) Con/Span	Clay		
Outlet		5) Elevated Arch	Masonry Rock		
		6) Pipe Arch			
		7) Other			

### Pier Shape

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

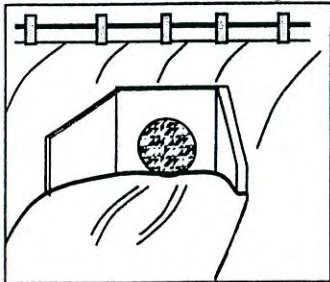


### Types (Shape) of Culvert

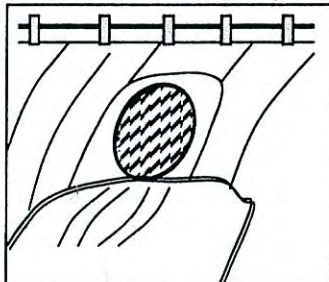
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|---|---|---|
|  |  |  |
| 1) Circular   | 2) Rectangle  | 3) Elliptical   |
|  |  |  |
| 4) Con/Span   | 5) Elevated Arch  | 6) Pipe Arch  |
| 7) Other  |   |   |

### Inlet/Outlet Type

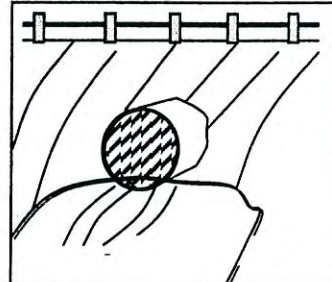
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

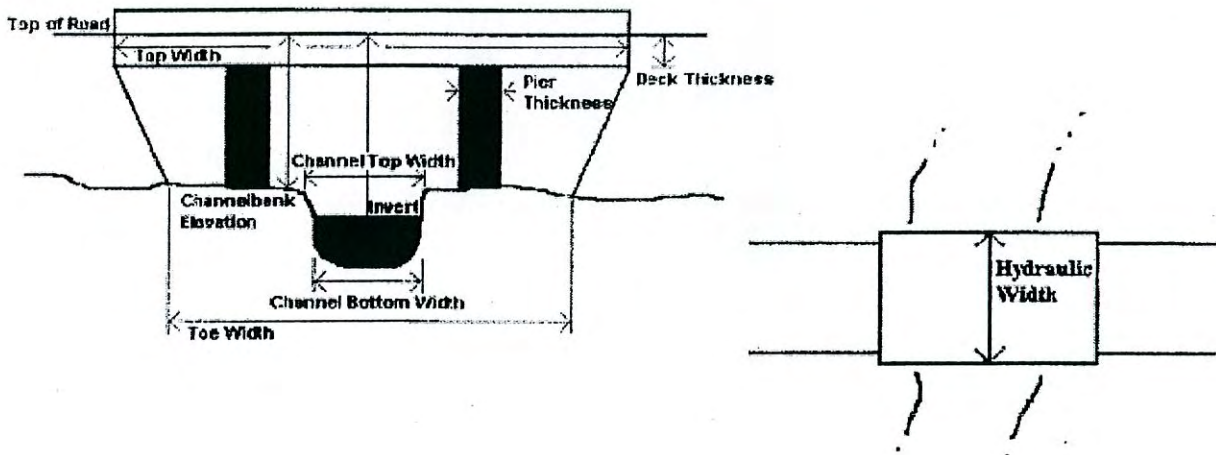


### CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

### BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



### PHOTOS

Name	Description
# 850	D/s side looking ups @ bridge
# 851	looking D/s from bridge
# 852	looking ups from bridge

ADDITIONAL CHANNEL INFORMATION

Land Use residential

Vegetative Cover few trees - eucalyptus + willows + oaks

Bed Material conc

General Channel Condition clean

Banks trap / rect

Overbanks residential

fully lined conc. channel  
surrounded by residential <sup>area</sup>  
Channel is trap  $\frac{1}{3}$   $\downarrow$   $\frac{2}{3}$   
rect. through bridge  
big drop  
in  
grade  
immediately  
 $\frac{1}{3}$

## STRUCTURE SURVEY TEMPLATE

				DATE	3-11-10
ROAD NAME	Copper Hill			COUNTY	LA
STREAM NAME	Haskell Cyn			PHOTO ID #	856-859
STRUCTURE #	②		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		2 piers with debris noses			
HIGH WATER MARK (Description, Witness, and Date)		rect. section through bridge			
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape		Number of Barrels	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated	Height from Top of Road to Invert	Headwall Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope
Culvert		1) Circular	Steel	Top of Road EL	MES (Mitered End Section) FES (Flared End Section)
Dam		2) Rectangle (Span X Rise)	Timber	From Topo Map (FT.NGVD) or (FT.NAVD)	
Spillway		3) Elliptical	Ductile		
Riser Barrel		4) Con/Span	Clay		
Outlet		5) Elevated Arch	Masonry Rock		
		6) Pipe Arch			
		7) Other			

### Pier Shape

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

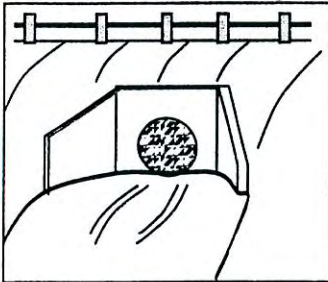


### Types (Shape) of Culvert

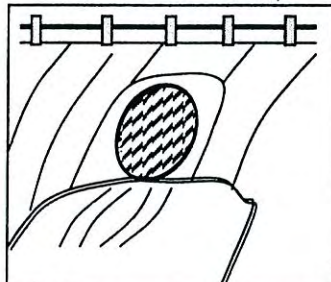
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|-----------------|----------------------|-------------------|
| <br>1) Circular | <br>2) Rectangle     | <br>3) Elliptical |
| <br>4) Con/Span | <br>5) Elevated Arch | <br>6) Pipe Arch  |
| 7) Other        |                      |                   |

### Inlet/Outlet Type

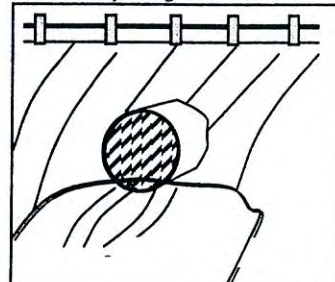
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

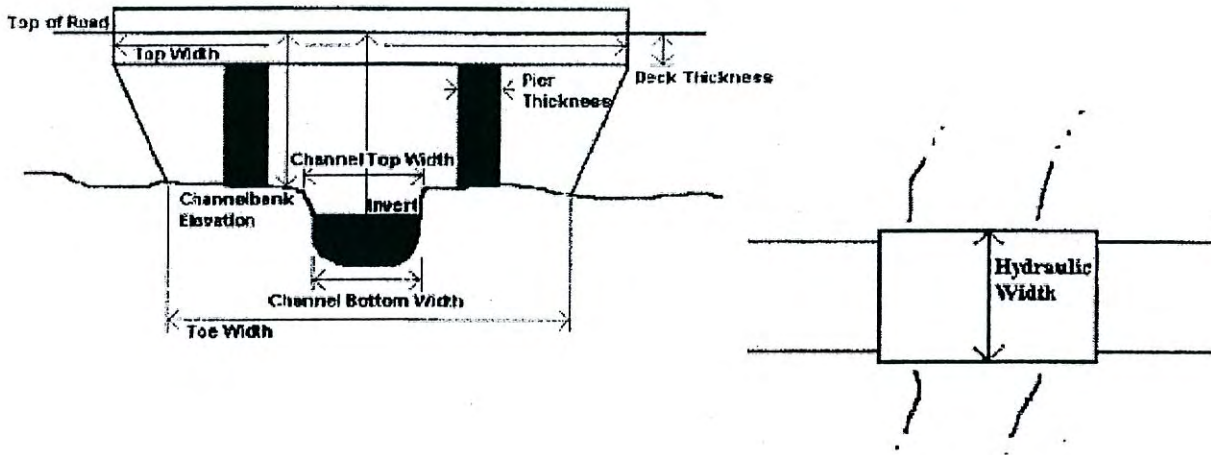


**CHANNEL INFORMATION**

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

**BRIDGE INFORMATION**

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



**PHOTOS**

Name	Description
# 856	D/s end of veg very near Copper Hill
# 857	Looking at 1/2 side of Copper Hill drive crossing.
# 858	Looking 1/2 from Copper Hill bridge
# 859	Looking D/s " " "

ADDITIONAL CHANNEL INFORMATION

Land Use

residential / open

Vegetative Cover

clean, 1/3 lots of veg.

Bed Material

lined, 1/2 ~~silty~~ sand & gravel

General Channel Condition

clean near bridge, overgrown 1/3

Banks

lined with conc

Overbanks

open / residential

# STRUCTURE SURVEY TEMPLATE

				DATE	3-31-10
ROAD NAME		no Road		COUNTY	LA
STREAM NAME		up end of project on Haskett Cyn		PHOTO ID #	852-855
STRUCTURE #		no structure, site (3)		X,Y COORDINATE	
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		lots of veg in channel along the up end of the project - dense willows			
HIGH WATER MARK (Description, Witness, and Date)					
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape		Number of Barrels	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated	Height from Top of Road to Invert	Headwall Wingwalls Type 0°, 45°, 90° Projecting
Culvert		1) Circular	Steel	Top of Road EL	Flush with Slope
Dam		2) Rectangle (Span X Rise)	Timber	From Topo Map (FT.NGVD) or (FT.NAVD)	MES (Mitered End Section)
Spillway		3) Elliptical	Ductile		FES (Flared End Section)
Riser Barrel		4) Con/Span	Clay		
Outlet		5) Elevated Arch	Masonry Rock		
		6) Pipe Arch			
		7) Other			

### Pier Shape

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

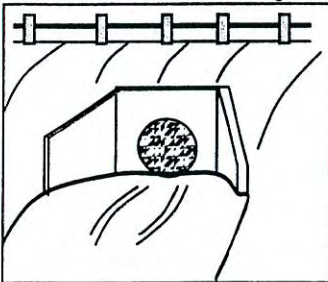


### Types (Shape) of Culvert

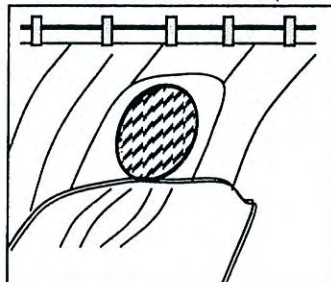
- |             |                  |               |
|-------------|------------------|---------------|
|             |                  |               |
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|             |                  |               |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch  |
|             |                  | 7) Other      |

### Inlet/Outlet Type

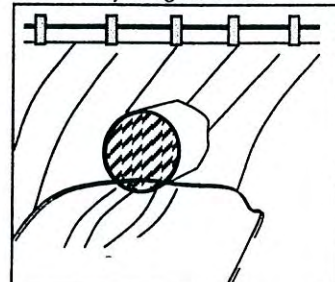
Culvert with Headwall & Wingwalls



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Projecting from Fill

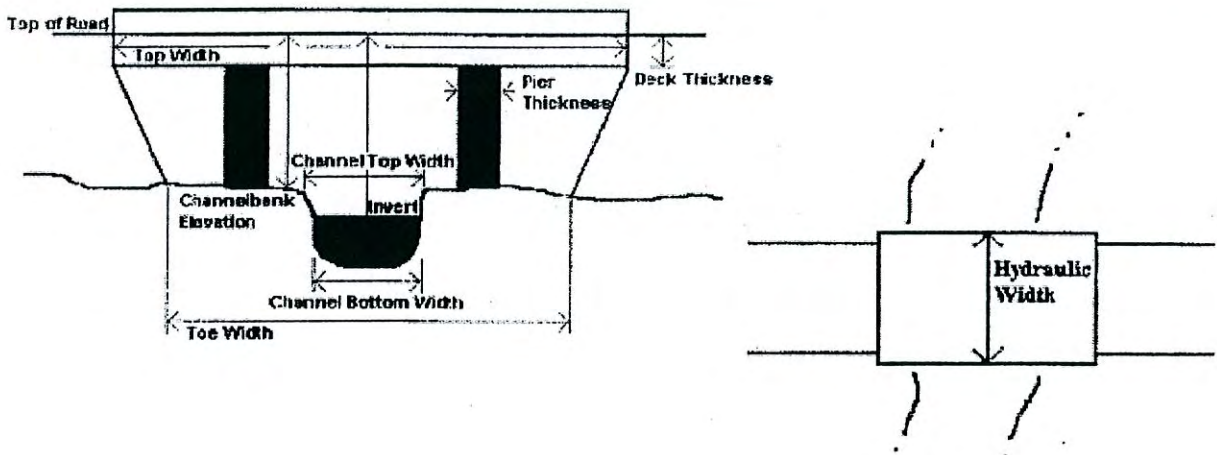


### CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

### BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



### PHOTOS

Name	Description
# 853	Looking $\frac{1}{3}$ from $\frac{1}{3}$ end of FEMA Road
# 854	Looking $\frac{1}{3}$ " " "
# 855	Veg in channel close to Copper Hill ( $\frac{1}{3}$ )



ADDITIONAL CHANNEL INFORMATION

Land Use

residential on L side looking N/S, open otherwise

Vegetative Cover

hickory @ N/S end, denser willows bottom  
N/S end and Copper Hill

Bed Material

sand & gravel

General Channel Condition

good, but overgrown in some locations

Banks

lined

Overbanks

residential + open

## STRUCTURE SURVEY TEMPLATE

				DATE	10-22-08
AD NAME	Mount. Road			COUNTY	LA
STREAM NAME	Haskell Cyn			PHOTO ID #	
STRUCTURE #	1	X,Y COORDINATE			
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	

**SPECIAL NOTE**  
(Conditions, Blockage, etc)

Short reach, no crossings

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

Study reach is entirely ups of Cooper Hill.

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Willway Sewer Barrel Outlet	Number of Barrels  1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitumus Coated  Steel  Timber  Ductile  Clay  Masonry Rock	Height from Top of Road to Invert  <b>Top of Road EL</b>  From Topo Map (FT.NGVD) or (FT.NAVD)	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

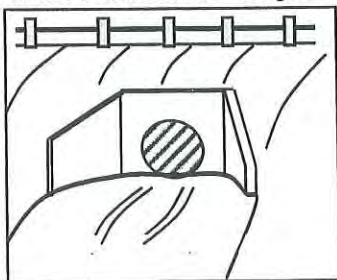


**Types (Shape) of Culvert**

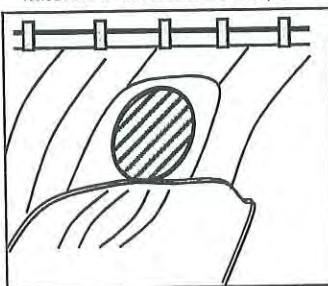
- |                 |                      |                   |          |
|-----------------|----------------------|-------------------|----------|
| <br>1) Circular | <br>2) Rectangle     | <br>3) Elliptical |          |
| <br>4) Con/Span | <br>5) Elevated Arch | <br>6) Pipe Arch  | 7) Other |

**Inlet/Outlet Type**

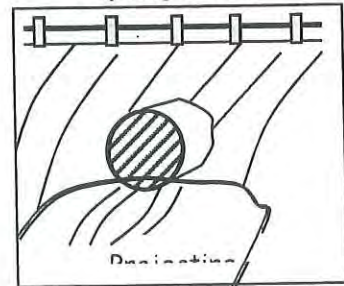
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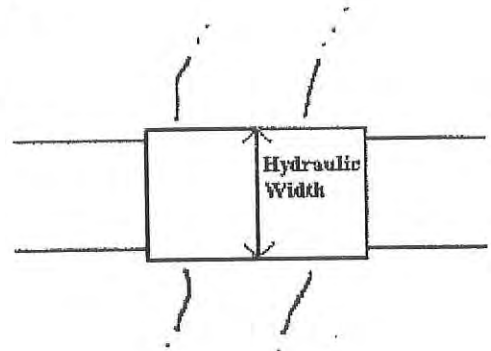
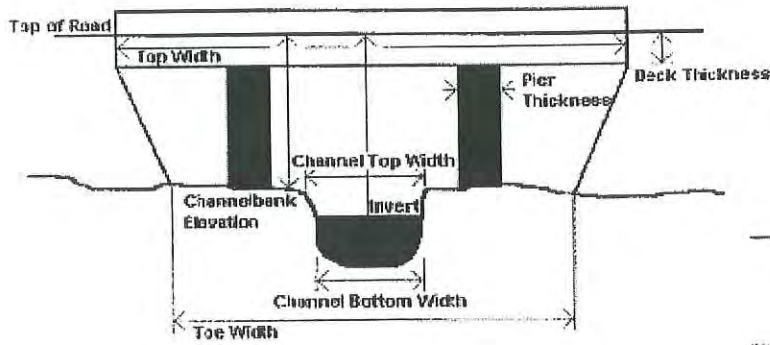


### CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

### BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



### PHOTOS

Name

Description

*2 photos*

ADDITIONAL CHANNEL INFORMATION

open space  
- mouse snout - "the unit"

Land Use

---

light brush - heavy in channel near end of lining

Vegetative Cover

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sand to cobbles

Bed Material

---

broad, undefined

General Channel Condition

---

undefined

Banks

---

mills + light brush.

Overbanks

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