

STRUCTURE SURVEY TEMPLATE







				DATE	11-20-08
ROAD NAME	Hwy 126			COUNTY	
STREAM NAME	Caspac Creek			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)		Wide bridge, 5 sets of large piers			
HIGH WATER MARK (Description, Witness, and Date)		- see plans			
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape		Number of Barrels 1) Circular 2) Rectangle (Span X Rise)	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated	Height from Top of Road to Invert Top of Road EL	Headwall Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope
Culvert Dam Spillway Riser Barrel Outlet		3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	Steel Timber Ductile Clay Masonry Rock	From Topo Map (FT.NGVD) or (FT.NAVD)	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

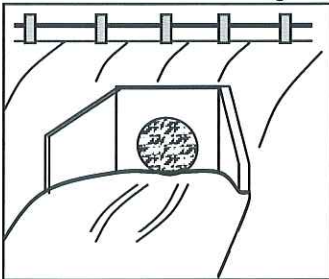


Types (Shape) of Culvert

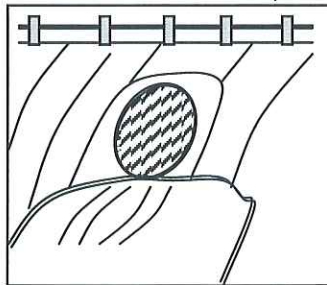
- 
 1) Circular
- 
 2) Rectangle
- 
 3) Elliptical
- 
 4) Con/Span
- 
 5) Elevated Arch
- 
 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

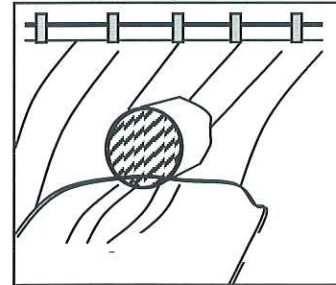
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

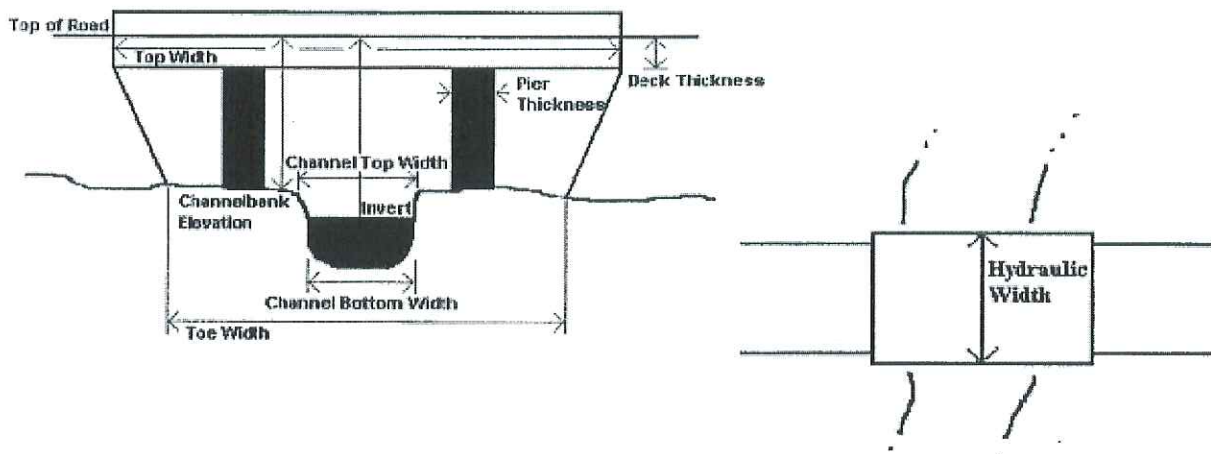


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



Name	Description	PHOTOS
	<p>very near confluence w/ SCR</p> <p>no RR bridge seen</p>	

ADDITIONAL CHANNEL INFORMATION

Land Use open - 1/3 = industrial

Vegetative Cover brushy

Bed Material sand & gravel

General Channel Condition wide, some braided

Banks some rock riprap near bridge, 1/3 both banks

Overbanks open

large debris accumulation on
some piers - - see photos.

STRUCTURE SURVEY TEMPLATE







				DATE	11-20-08
ROAD NAME	Comanche Center Dr			COUNTY	CA
STREAM NAME	Castro Cu			PHOTO ID #	
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)		wide bridge, just d/s/at confluence with Hasler Cyn.			
HIGH WATER MARK (Description, Witness, and Date)		5 sets of piers -- see plans.			
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser 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) Bitmus Coated Steel Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL 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

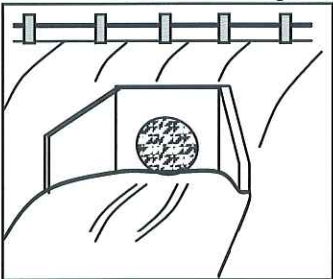


Types (Shape) of Culvert

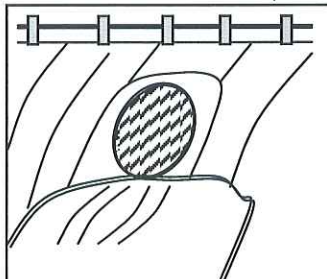
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

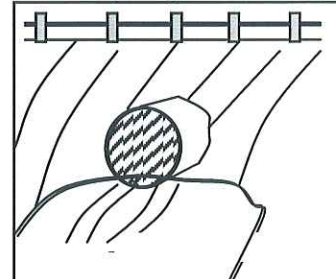
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

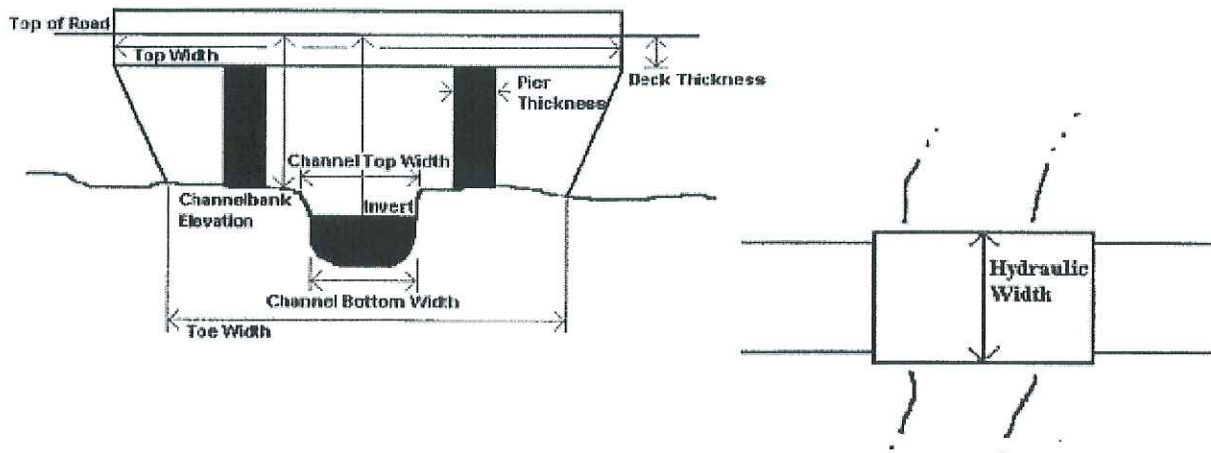


CHANNEL INFORMATION

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

note: water like
wall dividing thsely from Coatsie
continues thru bridge..

ADDITIONAL CHANNEL INFORMATION

Land Use industrial park, under construction

Vegetative Cover trees - mostly willows -

Bed Material sand to cobbles ..

General Channel Condition highly vegetated

Banks engineered banks - under construction

Overbanks development.

STRUCTURE SURVEY TEMPLATE







				DATE	11-20-08
ROAD NAME		the old road		COUNTY	LA
STREAM NAME		Catahouchee Creek		PHOTO ID #	
STRUCTURE #		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)		long old bridge - 6 rows of square sets of piers			
HIGH WATER MARK (Description, Witness, and Date)		- see plans piers are 1'4" wide			
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape		Number of Barrels 1) Circular 2) Rectangle (Span X Rise)	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated	Height from Top of Road to Invert Top of Road EL	Headwall Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope
Culvert Dam Spillway Riser Barrel Outlet		3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	Steel Timber Ductile Clay Masonry Rock	From Topo Map (FT.NGVD) or (FT.NAVD)	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

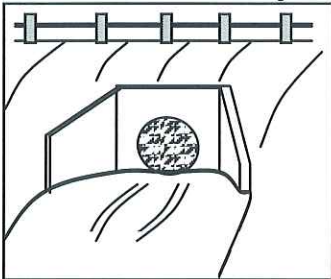


Types (Shape) of Culvert

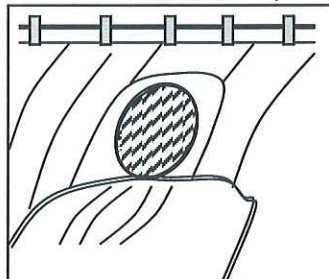
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

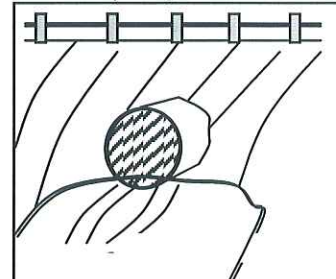
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

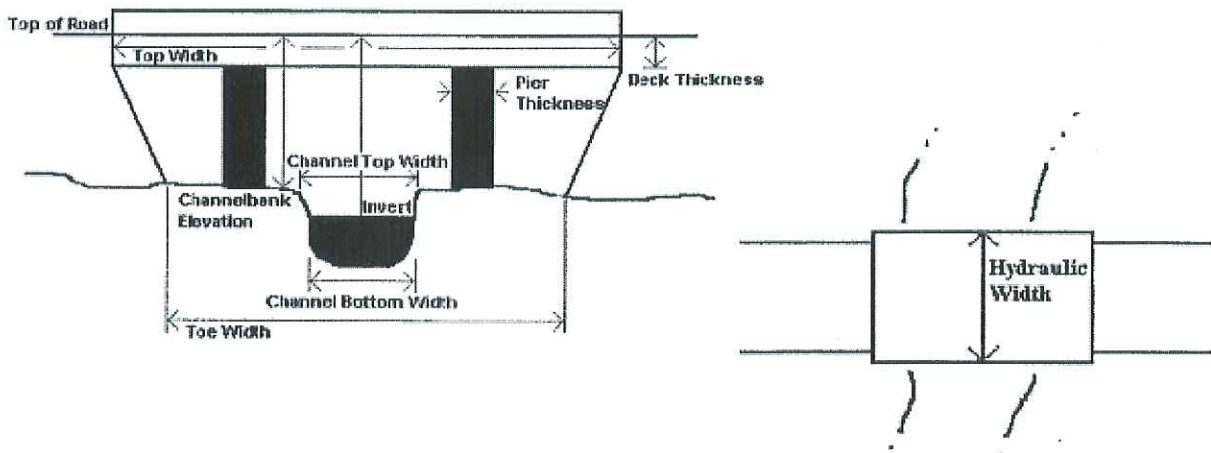


CHANNEL INFORMATION

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	
	<p>note: old road bridge is lower & has more piers than I-5 bridge in med. 4/5...</p> <p>~35' between sets of piers</p> <p>soffit appears to be about 5' thick.</p>	

ADDITIONAL CHANNEL INFORMATION

Land Use mixed.

Vegetative Cover brush + trees

Bed Material cobbles - sand

General Channel Condition broad, brushy.

Banks engineered locally - some rock.

Overbanks developed P/s - 29 v/s

STRUCTURE SURVEY TEMPLATE

				DATE	10-20-08
ROAD NAME		I-5		COUNTY	CA
STREAM NAME		Castro		PHOTO ID #	
STRUCTURE #		4		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)		bridge is under retrofit construction			
HIGH WATER MARK (Description, Witness, and Date)		wide bridge, 2 pier walls mixed w/ sl of Xing # 3 the old road			
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser 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) Bitmus Coated Steel Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL 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
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- 4) Triangular nose
- 5) Square nose

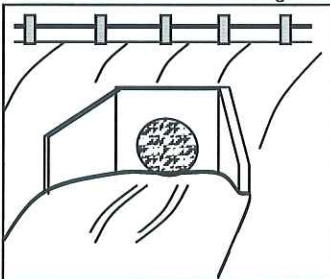


Types (Shape) of Culvert

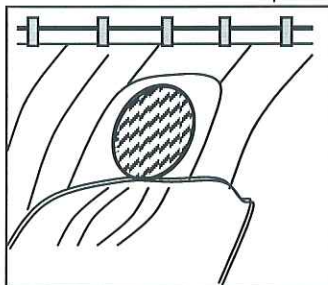
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

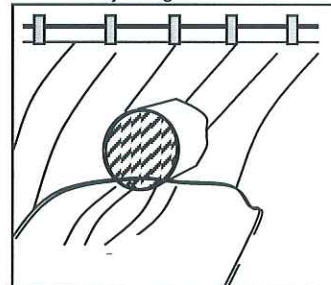
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

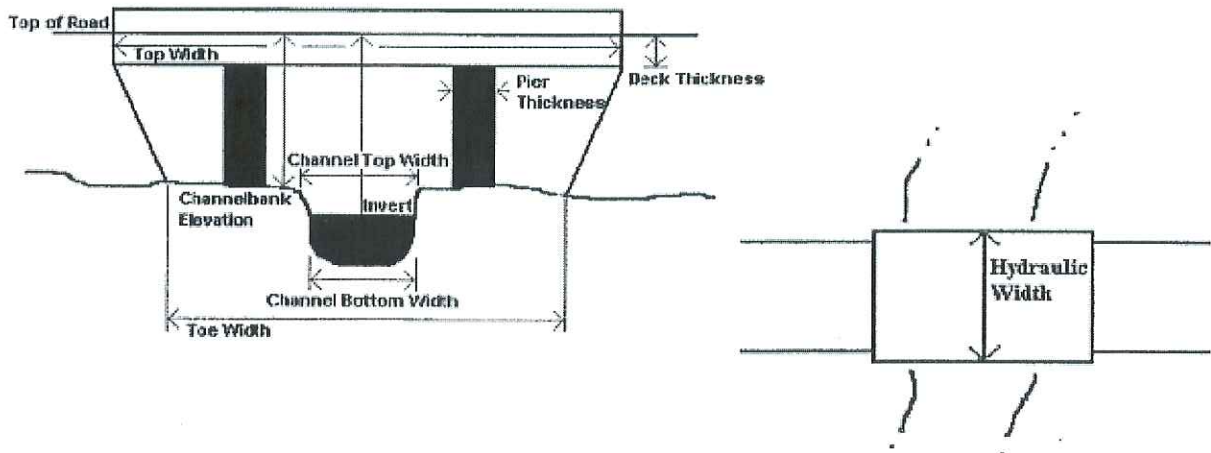


CHANNEL INFORMATION

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	
	bridge is higher, newer & w/ less piers than the old road bridge named. d/s	

ADDITIONAL CHANNEL INFORMATION

See Xing #3

Land Use

Vegetative Cover

Bed Material

General Channel Condition


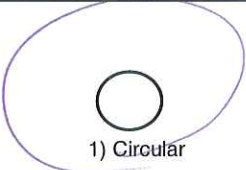

Banks

Overbanks

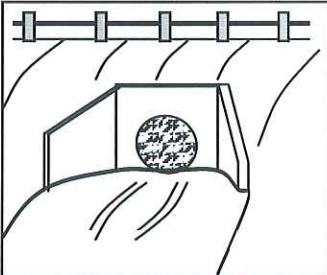
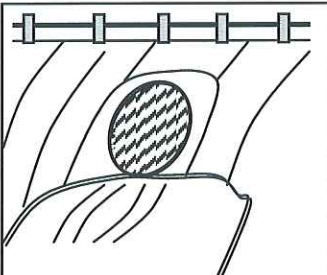
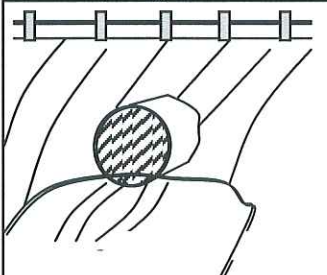
STRUCTURE SURVEY TEMPLATE

				DATE	11-20-08
ROAD NAME	Triple Cmn Tol			COUNTY	LA
STREAM NAME	Castro Ck			PHOTO ID #	
STRUCTURE #	5		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)		Triple CMP culverts - 8.5' dia			
HIGH WATER MARK (Description, Witness, and Date)					
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet		Number of Barrels 3 1) Circular 8.5' 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) Bitmus Coated Steel Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL 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

<ul style="list-style-type: none"> 1) Circular pier 2) Twin-Cylinder piers 3) Elongated pier 4) Triangular nose 5) Square nose 		<p>1) Circular</p>  <p>4) Con/Span</p> 	<p>Types (Shape) of Culvert</p> <ul style="list-style-type: none"> 2) Rectangle 5) Elevated Arch 	<ul style="list-style-type: none"> 3) Elliptical 6) Pipe Arch 7) Other
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Inlet/Outlet Type

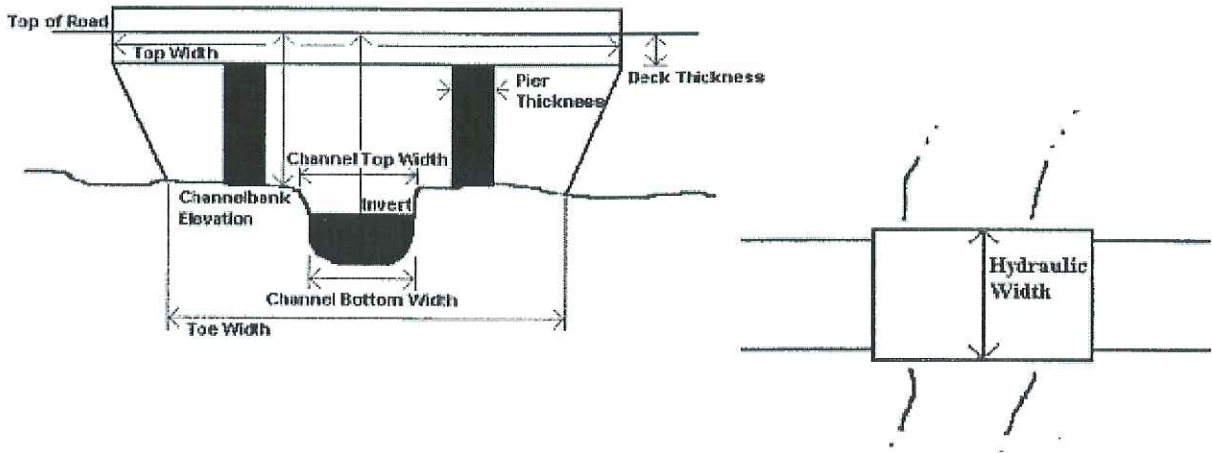
Culvert with Headwall & Wingwalls	Mitered to Conform to Slope	Projecting from Fill
		

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



Name	Description	PHOTOS
		<p>culverts projecting from full ups & downs</p> <p>A hand-drawn sketch in blue ink showing three circular culverts arranged horizontally. The rightmost circle has a vertical double-headed arrow next to it with the number '8.5' written inside, indicating a diameter of 8.5 feet. The sketch is surrounded by scribbled lines representing ground or embankment.</p>

ADDITIONAL CHANNEL INFORMATION

spots park 1/4
d/s = open / 2g

Land Use

Some brush

Vegetative Cover

armored w/ cobbles 1/4 sand - cobbles d/s

Bed Material

broad - fairly clear.

General Channel Condition

irregular tall pole + wire on R bank
defined effective flow limits ..

Banks

open .

Overbanks

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks
