STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	Confluence with SCR - Lake trail overcrossing			COUNTY	LA
STREAM NAME	Mint 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)	clear span .. high arch over channel				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge - Lake trail bridge Pier Shape Culvert Dam illway .ser 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 0^0, 45^0, 90^0 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: bend at confluence

ADDITIONAL CHANNEL INFORMATION

Land Use: Residential + open / commercial

Vegetative Cover: none

Bed Material: concrete

General Channel Condition: pretty clean

Banks: vertical RC

Overbanks: channel walls are higher than the adjacent ground

looking u/s from confluence

STRUCTURE SURVEY TEMPLATE

				DATE	10·23·08
›AD NAME	Soledad			COUNTY	
STREAM NAME	MINT			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)	Clear span ~45W x 12'H				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam illway ser 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 0^0, 45^0, 90^0 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

D/s channel is R.C. - vertical walls

U/s channel is earth bottom, pole + wire sides

bad shape!

ADDITIONAL CHANNEL INFORMATION

residential
+ business

Land Use

none

Vegetative Cover

D/S - concrete
U/S sand + gravel

Bed Material

d/s - clean
U/S - poor

General Channel Condition

d/s vert. conc. walls
U/S earth + pole/wire

Banks

U/S . R side = open lot
otherwise = developed.

Overbanks

opening below bridge

STRUCTURE SURVEY TEMPLATE

				DATE	10.23.08
›AD NAME	SOLAMINT – Schurzinger (culvert)			COUNTY	LA
STREAM NAME	Mint			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)	dbl box -- long.. dbl 12H x 17W				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam illway ser Barrel Outlet	Number of Barrels 2 1) Circular 17'x12' 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

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

d/s = earth + pole wire

culvert is long

debris nose @ u/s end

u/s channel = earthen + pole + wire + grade control steps..

steps are ~1.5' tall, steel + wood.

u/s drops/channel = ~17' wide

ADDITIONAL CHANNEL INFORMATION

residential + business d/s R side is empty lot

Land Use

none

Vegetative Cover

conc in crossing
sand + gravel d/s

Bed Material

d/s = broken pole / wire

General Channel Condition

pole wire d/s / vertical RC near crossing

Banks

open / developed

Overbanks

note: culvert extends to scherzinger

STRUCTURE SURVEY TEMPLATE

				DATE	12-23-08
›AD NAME	Adon			COUNTY	
STREAM NAME	MINT			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)	soffit is ~5'6" above invert				
HIGH WATER MARK (Description, Witness, and Date)	~35' W x 5.5' opening below street.				

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge (clear span) Pier Shape Culvert Dam ıllway .ser 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

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

u/s
d/s

pole + wire + earth bottom

non veg on banks (brush) u/s of xing

ADDITIONAL CHANNEL INFORMATION

residential

Land Use

none

Vegetative Cover

sand + gravel

Bed Material

~~so~~ mostly clear, pole + wire is old.

General Channel Condition

earth + pole/wire

Banks

residential

Overbanks

Channel ds has board/steel drops ~100' spacing..
~1.5 - 2' tall

u/s channel does not..

channel d/s narrows as you go d/s..

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	Sierra Hwy 1			COUNTY	LA
STREAM NAME	Mint			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)	clear span bridge ~38' W x 6.5' H				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway ›ser 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

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

ADDITIONAL CHANNEL INFORMATION

residential d/s
residential + open u/s

Land Use

light brush in channel

Vegetative Cover

sand + gravel

Bed Material

fairly clear invert — rough banks d/s

General Channel Condition

mixed bag

Banks

residential / open

Overbanks

Some grouted rock bank protection on R bank ½ of bridge.

old pile twire + boards for bank protection D/S of bridge

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	Private driveway - dip			COUNTY	LA
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	6		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)	concrete dip with 6'w x 27" opening				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway ›er 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

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**

ADDITIONAL CHANNEL INFORMATION

residential + business

Land Use

brush, some trees

Vegetative Cover

Sand + gravel

Bed Material

narrow, fairly straight, brushy

General Channel Condition

nearly vertical cut banks

Banks

Sierra Hwy / residences + trees...

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	FOTCH			COUNTY	CA
STREAM NAME	MINT			PHOTO ID #	
STRUCTURE #	7		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)	wooden bridge, 1 pier.				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway ›er 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 0^0, 45^0, 90^0 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

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**

ADDITIONAL CHANNEL INFORMATION

residential + commercial

Land Use

brushy + some trees

Vegetative Cover

sand + gravel

Bed Material

fairly straight, rough irregular banks

General Channel Condition

some fence, some pole + wire

Banks

residences + storage

Overbanks

gage location - on R bank
U/S

STRUCTURE SURVEY TEMPLATE

				DATE	10-23 08
AD NAME	Arline			COUNTY	
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	8		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)	paved dip / drop				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam illway ser 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 0^0, 45^0, 90^0 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

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

ADDITIONAL CHANNEL INFORMATION

Land Use: residential

Vegetative Cover: light brush + some trees

Bed Material: sand + gravel

General Channel Condition: fairly straight, irregular banks at times

Banks: some wood + rock + fence, d/s right otherwise mild slope earth/brush

Overbanks: residences

STRUCTURE SURVEY TEMPLATE

				DATE	10.23.08
›AD NAME	~~Sierra Hwy~~ Vasquez Cnw			COUNTY	LA
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	9		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 with 1 pier				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway ›er 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 0^0, 45^0, 90^0 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

ADDITIONAL CHANNEL INFORMATION

Land Use: open / Trailer park on R D/s

Vegetative Cover: light brush

Bed Material: sand — cobbles

General Channel Condition: broad, fairly clean, more brushy d/s.

Banks: irregular, earthen

Overbanks: flat — bus stop on R U/s

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	Rolling Thunder Ranch Driveway			COUNTY	CA
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	10		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)	earthen dip crossing--				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway .ser 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 0^0, 45^0, 90^0 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
	Rock + dirt fill to create drive dip crossing — scour downstream

ADDITIONAL CHANNEL INFORMATION

Land Use: ranch + open

Vegetative Cover: light brush

Bed Material: sand + gravel

General Channel Condition: not well defined u/s
incised d/s

Banks: none u/s, some rock + vertical dirt d/s

Overbanks: Sierra Hwy on L, open field on R

note: Channel is much smaller here than D/S @ Vasquez crossing

several earthen dip crossings u/s . . .
(btwn Vasquez & Sierra Hwy)
#9 & #11

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
AD NAME	Sierra Highway 2			COUNTY	LA
STREAM NAME	MINT			PHOTO ID #	
STRUCTURE #	11		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)	dbl box - some fill in bottom 1934 stamp				
HIGH WATER MARK (Description, Witness, and Date)	probably built larger..				

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam illway ser Barrel Outlet	Number of Barrels 2 1) Circular 2) Rectangle (Span X Rise) 8' x 2.5' 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

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

new grouted rock on R side @ u/s end..

Pier is 9" wide

ADDITIONAL CHANNEL INFORMATION

Land Use

light residential on d/s side
open u/s

Vegetative Cover

some trees, light brush

Bed Material

sand + gravel

General Channel Condition

not big, irregular bed & banks
- some recent cleanout activities

Banks

irregular, not tall

Overbanks

flat, trees, brush, residences..

note: on d/s side, the right opening is almost ½ filled with deposition
(opening is on the outside of the bend..

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	Sierra Highway #3			COUNTY	CA
STREAM NAME	MINT			PHOTO ID #	
STRUCTURE #	12		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)	Single pier bridge				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway .ser 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 0^0, 45^0, 90^0 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

large rounded riprap on banks d/s

bridge is at bend right cell is more clear

left cell has 3-4' of fill

looking d/s

ADDITIONAL CHANNEL INFORMATION

Land Use: open / ranches

Vegetative Cover: light brush + trees

Bed Material: sand → cobbles

General Channel Condition: d/s - good
u/s - irregular

Banks: d/s rounded rock riprap
u/s guide wall on R bank - pier nose badly aligned.

Overbanks: open + ranch on L
hillside / open on R u/s

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	Sierra Hwy 4			COUNTY	LA
STREAM NAME	MINT			PHOTO ID #	
STRUCTURE #	13.		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)	double box + drop 6' x 3' each cell				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway ›er Barrel Outlet	Number of Barrels 2 1) Circular 2) Rectangle (Span X Rise) 6' x 3' 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

ADDITIONAL CHANNEL INFORMATION

open

Land Use

light brush

Vegetative Cover

sand — cobbles

Bed Material

irregular, defined thread

General Channel Condition

variable, up against steep hillside sometimes

Banks

Hwy, hillside

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	Sierra Highway #5			COUNTY	LA.
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	14		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)	Single box 8'w x 4H' dated 1934				
HIGH WATER MARK (Description, Witness, and Date)	+ drop @ P/S end.				

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam illway ser Barrel Outlet	Number of Barrels 1 1) Circular 2) Rectangle (Span X Rise) 8' x 4' 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

U/S FACE =

~~two~~ wing-wall on 1 side

ADDITIONAL CHANNEL INFORMATION

Land Use: open / canyon

Vegetative Cover: light brush + trees.

Bed Material: sand + cobbles.

General Channel Condition: irregular

Banks: mild sloped U/S, more incised D/S

Overbanks: hillside / Sierra Highway..

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
ROAD NAME	Sierra Highway 6			COUNTY	LA
STREAM NAME	MINT			PHOTO ID #	
STRUCTURE #	15		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)	6'x2' box, with 2' drop @ D/S				dated 1934
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam illway ser Barrel Outlet	Number of Barrels 1 1) Circular 2) Rectangle (Span X Rise) 6 2 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

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

Sewer Line

ADDITIONAL CHANNEL INFORMATION

Land Use: open / canyon

Vegetative Cover: light brush + trees, large willow tree u/s on R bank

Bed Material: sand + gravel

General Channel Condition: bravery, winding

Banks: hillside / canyon

Overbanks:

STRUCTURE SURVEY TEMPLATE

	Private Driveway 2			DATE	10-23-08
›AD NAME	Sierra Hwy driveways			COUNTY	
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	16		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)	small culverts – squashed, below driveways to residences –				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway .ser 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 0^0, 45^0, 90^0 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:
Mint Creek
is very small
here..

ADDITIONAL CHANNEL INFORMATION

Land Use Canyon Some residences

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks

No pictures
- just drove by

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	Sunset Highway 7			COUNTY	LA
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	17		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)	3' 12' CMP oval				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway ›ser 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 0^0, 45^0, 90^0 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

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

inlet

ADDITIONAL CHANNEL INFORMATION

Land Use: open / Canyon

Vegetative Cover: light brush + cottonwoods

Bed Material: sand → cobble

General Channel Condition: winding, irregular

Banks: rough - non uniform

Overbanks: Canyon + road -

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	Sherrie Hwy 8			COUNTY	CA
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	19		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)	4' dia CMP				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway ›er Barrel Outlet	Number of Barrels 1) Circular 4' dia 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

smoot cemented rock face u/s.

concrete bags facing d/s

d/s end..

note; pipe is more than 1/2 full of sediment @ d/s end...

ADDITIONAL CHANNEL INFORMATION

Land Use: open / canyon + residences

Vegetative Cover: trees, brush

Bed Material: sand → cobbles

General Channel Condition: winding, brushy

Banks: mild slope, irregular

Overbanks: canyon / homes

STRUCTURE SURVEY TEMPLATE

(Removed D/S of Sierra Hwy Xing 20)

DATE	10-23-08		
ROAD NAME	Abandoned Motor Lodge Road	COUNTY	LA
STREAM NAME	Mint	PHOTO ID #	
STRUCTURE #	19	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)	nearly washed out road with box Culvert
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 Laser Barrel Outlet	Number of Barrels 1) Circular 33" x 4' 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

ADDITIONAL CHANNEL INFORMATION

residential

Land Use

trees / many kinds

Vegetative Cover

muddy ..

Bed Material

irregular, lots of vegetation

General Channel Condition

channel is incised

Banks

residences + church ..

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
›AD NAME	Sierra Hwy 9			COUNTY	
STREAM NAME	MINT			PHOTO ID #	
STRUCTURE #	20		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)	complex crossing dbl CMP's + box				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam ›illway .ser 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 0^0, 45^0, 90^0 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

Cross road at a skew..

2-30" CMP

1 2H x 3W BOX

Approx

ADDITIONAL CHANNEL INFORMATION

Land Use Same as Crossing 19

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks

See sketch for Xing 19

STRUCTURE SURVEY TEMPLATE

	Private Driveway 3			DATE	10.23.08
ROAD NAME	driveway off of Sierra Hwy across from Eastern Av			COUNTY	
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	21		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)	dbl cmp 1-3' dia 1-4' 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 illway ser Barrel Outlet	Number of Barrels 2 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

local channel is a small grouted V ditch.

looking U/s from D/s

ADDITIONAL CHANNEL INFORMATION

Land Use: residences adjacent to Sierra Hwy

Vegetative Cover: Trees - various

Bed Material: lined channel - gunite d/s, earth bottom u/s.

General Channel Condition: clean d/s, some debris u/s

Banks: grouted d/s, earth + rock u/s.

Overbanks: road / residences.

huge drop off at d/s end of the lined channel ~ 100' d/s..

STRUCTURE SURVEY TEMPLATE

	Private Driveway 4			DATE	10-23-08
›AD NAME	driveway off Sears			COUNTY	LA
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	22		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)	3 culverts - 2-54", 1-42" RCP				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam illway .ser Barrel Outlet	Number of Barrels 3 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 0^0, 45^0, 90^0 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

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

ADDITIONAL CHANNEL INFORMATION

residences

Land Use

Trees, pines, cottonwoods, pepper etc..

Vegetative Cover

Sandy

Bed Material

straight, small, fairly clear

General Channel Condition

regular, vertical boards on R side U/S

Banks

residences / road.

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	10-23-08
AD NAME	Steele			COUNTY	CA
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	23		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)	Partially buried CMP - 48", 1' sed in bottom				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam illway ser Barrel Outlet	Number of Barrels 1 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 0^0, 45^0, 90^0 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

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: only ~ 25' u/s of crossing 22

48" Conc pipe

1' sediment

this crossing is much smaller cap than immed d/s

ADDITIONAL CHANNEL INFORMATION

See Xing 22

Land Use

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks

channel immed U/S
is filled with brush..

STRUCTURE SURVEY TEMPLATE

	Private Driveway 5			DATE	10-23-08
ROAD NAME	driveway @ 12939 Sierra Hwy			COUNTY	LA
STREAM NAME	Mint			PHOTO ID #	
STRUCTURE #	24		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)	~130 feet W/S of Steel Ave Intersection				
HIGH WATER MARK (Description, Witness, and Date)	2 partially buried 48" CMPs, 29" open				

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam illway ser Barrel Outlet	Number of Barrels 2 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 0^0, 45^0, 90^0 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

~ 8" headwall above driveway

ADDITIONAL CHANNEL INFORMATION

residential / open

Land Use

trees -- pines, cottonwoods, willows

Vegetative Cover

sand

Bed Material

straight, many crossings!

General Channel Condition

not very steep, channel is shallow

Banks

residences / hwy.

Overbanks

Channel is filled with veg. u/s
more clear d/s.