
Bridge Inspection Records Information System

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State of California
Department of Transportation

**Division of Maintenance
Structures Maintenance & Investigations**



DEPARTMENT OF TRANSPORTATION
Structure Maintenance & Investigations

Bridge Number : 55C0119
Facility Carried: TONNER CANYON RD
Location : 400' S BREA BLVD
City :
Inspection Date : 05-JUN-01

Inspection Type

Routine ☒ Group A ☐ Underwater ☐ Special ☐ Other ☐

Bridge Inspection Report**Name : BREA CANYON CHANNEL****CONSTRUCTION INFORMATION**

Year Built : 1971
Year Widened : N/A
Length (m) : 11.9

Skew (degrees): 0
No. of Joints : 0
No. of Hinges : 0

Description of Structure : Triple 3.7 m W x 3.0 m H x 39.6 m L RC box culvert (non-grade top) beneath 2.1 m of earth fill.

Span Configuration : (W) 3 @ 3.7 m (E) clear, normal

LOAD CAPACITY AND RATINGS

Design Live Load : MS - 18 OR HS - 20

Inventory Rating : 32.6 metric tons

Calculation Method : LOAD FACTOR

Operating Rating : 53.5 metric tons

Calculation Method : LOAD FACTOR

Permit Rating : PPPPP

Posting Load : Type 3 N/A english tons Type 3S2 N/A english tons Type 3-3 N/A english tons

DESCRIPTION ON STRUCTURE

Bridge width : (S) MBGR, 7.9 m ea, 4 @ 3.6 m, 7.9 m ea, CL fence (N)

Total Width : .0 m

Net Width : 14.30 m

No. of Lanes : 4

Rail Description : (N) None, (S) MBGR

Rail Code : 1111

Min. Vertical Clearance : 6.480 m

DESCRIPTION UNDER STRUCTURE

Channel Description : RC rectangular upstream, natural earth trapezoidal downstream with heavy bushes and trees in the channel.

CONDITION OF STRUCTURE

Trees are growing in the channel downstream of the structure. (O)

Otherwise, the structure is in good condition.

MISCELLANEOUS

Because of water in the channel, only a surface inspection was performed. Take side view photographs of the structure during the next biennial inspection.

ELEMENT LEVEL INSPECTION RATINGS

F#	Elem No.	Element Description	Env	Total Units Quantity	Qty in each Condition State				
					St. 1	St. 2	St. 3	St. 4	St. 5
01	241	Reinforced Concrete Culvert	2	40 m.	40	0	0	0	0

WORK RECOMMENDATIONS

Remove the bushes and trees from the channel bed within 30 meters of the bridge to allow the water to flow properly.

Item#	Rec. Date	Work By	Work Id.	Prog. Method	Cost
1	05-JUN-2001	County Agency	40119X01156X		

Bridge No.: 55C0119

Location: 400' S BREA BLVD

Inspection Date: 05-JUN-01

Inspected By : M. Ogata

M. Ogata
Registered Civil Engineer

CC : TMRut
Orange County



Bridge No.: 55C0119

Location: 400' S BREA BLVD

Inspection Date: 05-JUN-01

STRUCTURE INVENTORY AND APPRAISAL REPORT

***** IDENTIFICATION *****

(1) STATE NAME - CALIFORNIA 069
 (8) STRUCTURE NUMBER 55C0119
 (5) INVENTORY ROUTE (ON/UNDER) - ON 1 40 0W450N
 (2) HIGHWAY AGENCY DISTRICT 12
 (3) COUNTY CODE 059 (4) PLACE CODE 00000
 (6) FEATURE INTERSECTED - BREA CANYON CHANNEL
 (7) FACILITY CARRIED - TONNER CANYON RD
 (9) LOCATION - 400' S BREA BLVD
 (11) MILEPOINT/KILOMETERPOINT 0
 (12) BASE HIGHWAY NETWORK - NOT ON NET 0
 (13) LRS INVENTORY ROUTE & SUBROUTE
 (16) LATITUDE 33 DEG 56 MIN 20 SEC
 (17) LONGITUDE 117 DEG 52 MIN 40 SEC
 (98) BORDER BRIDGE STATE CODE % SHARE %
 (99) BORDER BRIDGE STRUCTURE NUMBER

***** STRUCTURE TYPE AND MATERIAL *****

(43) STRUCTURE TYPE MAIN: MATERIAL - CONCRETE
 TYPE - CULVERT CODE 1 19
 (44) STRUCTURE TYPE APPR: MATERIAL -
 TYPE - CODE
 (45) NUMBER OF SPANS IN MAIN UNIT 3
 (46) NUMBER OF APPROACH SPANS 0
 (107) DECK STRUCTURE TYPE NOT APPLICABLE CODE N
 (108) WEARING SURFACE / PROTECTIVE SYSTEM:
 A) TYPE OF WEARING SURFACE - NOT APPLICABLE CODE N
 B) TYPE OF MEMBRANE - NOT APPLICABLE CODE N
 C) TYPE OF DECK PROTECTION - NOT APPLICABLE CODE N

***** AGE AND SERVICE *****

(27) YEAR BUILT 1971
 (106) YEAR RECONSTRUCTED 0000
 (42) TYPE OF SERVICE: ON - HIGHWAY 1
 UNDER - WATERWAY 5
 (28) LANES: ON STRUCTURE 04 UNDER STRUCTURE
 (29) AVERAGE DAILY TRAFFIC 200
 (30) YEAR OF ADT 1998 (109) TRUCK ADT 1%
 (19) BYPASS, DETOUR LENGTH 19 KM

***** GEOMETRIC DATA *****

(48) LENGTH OF MAXIMUM SPAN 3.7 M
 (49) STRUCTURE LENGTH 11.9 M
 (50) CURB OR SIDEWALK: LEFT 0 M RIGHT 0 M
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 14.3 M
 (52) DECK WIDTH OUT TO OUT 0 M
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 14.3 M
 (33) BRIDGE MEDIAN - CLOSED (NO BARRIER) 2
 (34) SKEW 0 DEG (35) STRUCTURE FLARED NO
 (10) INVENTORY ROUTE MIN VERT CLEAR 6.48 M
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 14.3 M
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 6.48 M
 (54) MIN VERT UNDERCLEAR REF - NOT H/RR 0 M
 (55) MIN LAT UNDERCLEAR RT REF - NOT H/RR 0 M
 (56) MIN LAT UNDERCLEAR LT 0 M

***** NAVIGATION DATA *****

(38) NAVIGATION CONTROL - NOT APPLICABLE CODE N
 (111) PIER PROTECTION - NOT REQUIRED CODE 1
 (39) NAVIGATION VERTICAL CLEARANCE 0 M
 (116) VERT-LIFT BRIDGE NAV MIN VERT CLEAR 0 M
 (40) NAVIGATION HORIZONTAL CLEARANCE 0

***** SUFFICIENCY RATING = 95.8 *****

STATUS - FUNCTIONALLY OBSOLETE

HEALTH INDEX = 100

***** CLASSIFICATION ***** CODE

(112) NBIS BRIDGE LENGTH - YES Y
 (104) HIGHWAY SYSTEM - NOT ON NHS 0
 (26) FUNCTIONAL CLASS - LOCAL URBAN 19
 (100) DEFENSE HIGHWAY - NOT STRAHNET 0
 (101) PARALLEL STRUCTURE - NONE EXISTS N
 (102) DIRECTION OF TRAFFIC - 2 WAY 2
 (103) TEMPORARY STRUCTURE -
 (105) FEDERAL LANDS HIGHWAY - NOT APPLICABLE 0
 (110) DESIGNATED NATIONAL NETWORK - NOT ON NET 0
 (20) TOLL - ON FREE ROAD 3
 (21) MAINTAIN - COUNTY HIGHWAY AGENCY 2
 (22) OWNER - COUNTY HIGHWAY AGENCY 2
 (37) HISTORICAL SIGNIFICANCE - NOT ELIGIBLE 5

***** CONDITION ***** CODE

(58) DECK N
 (59) SUPERSTRUCTURE N
 (60) SUBSTRUCTURE N
 (61) CHANNEL & CHANNEL PROTECTION 9
 (62) CULVERTS 8

***** LOAD RATING AND POSTING ***** CODE

(31) DESIGN LOAD - MS - 18 OR HS - 20 5
 (63) OPERATING RATING METHOD - LOAD FACTOR 1
 (64) OPERATING RATING - 53.5
 (65) INVENTORY RATING METHOD - LOAD FACTOR 1
 (66) INVENTORY RATING - 32.6
 (70) BRIDGE POSTING - Equal to or above legal loads 5
 (41) STRUCTURE OPEN, POSTED OR CLOSED - A
 DESCRIPTION - OPEN, NO RESTRICTION

***** APPRAISAL ***** CODE

(67) STRUCTURAL EVALUATION 8
 (68) DECK GEOMETRY 2
 (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL N
 (71) WATER ADEQUACY 9
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 1111
 (113) SCOUR CRITICAL BRIDGES 8

***** PROPOSED IMPROVEMENTS *****

(75) TYPE OF WORK - CODE
 (76) LENGTH OF STRUCTURE IMPROVEMENT M
 (94) BRIDGE IMPROVEMENT COST
 (95) ROADWAY IMPROVEMENT COST
 (96) TOTAL PROJECT COST
 (97) YEAR OF IMPROVEMENT COST ESTIMATE
 (114) FUTURE ADT 200
 (115) YEAR OF FUTURE ADT 2015

***** INSPECTIONS *****

(90) INSPECTION DATE 06/01 (91) FREQUENCY 24 MO
 (92) CRITICAL FEATURE INSPECTION: (93) CFI DATE
 A) FRACTURE CRIT DETAIL - NO -1 MO A)
 B) UNDERWATER INSP - NO -1 MO B)
 C) OTHER SPECIAL INSP - NO -1 MO C)

Bridge Number 55C-119

Location 12 - Ora - FAS W450-CR
Dist.-Co.-Rte.-City

Date of Investigation September 10, 1997

TYPE OF INVESTIGATION/REPORT

BIENNIAL	<u>X</u>	DAMAGE	___
CATEGORY A	___	OTHER	___
UNDERWATER	___	OFFICE	___

Name BREA CANYON CHANNEL (Tonner Canyon Road, 400' south of Brea Boulevard)

CONDITION RATINGS:

Element Level Inspection (ELI) form attached.

Channel & Channel Protection

9

SCOUR CRITICAL:

A scour rating of A3 is appropriate.

MISCELLANEOUS DISCUSSION:

The inspection team consisted of Makoto Ogata and Faye Kirchhoff.

CONDITION OF STRUCTURE:

Trees are growing in the channel.

(0)

Otherwise, the condition of the structure is good.

WORK RECOMMENDED:

None.

M. Ogata

M. Ogata

MO:cd

c: TMRut
Orange County



Bridge Number 55C-119

Location 12 - Ora - FAS W450-CR
Dist.-Co.-Rte.-City

Date of Investigation July 20, 1995

TYPE OF INVESTIGATION/REPORT

BIENNIAL	<u>X</u>	DAMAGE	___
CATEGORY A	___	OTHER	___
UNDERWATER	___	OFFICE	___

Name BREA CANYON CHANNEL (Tonner Canyon Road, 400' south of Brea Boulevard)

CONDITION RATINGS:

Condition ratings of all bridge elements are shown on the PONTIS DATA FORM (Attachment A).

Channel & Channel Protection

9

SCOUR CRITICAL:

A scour rating of A3 is appropriate.

CONDITION OF STRUCTURE:

Tree branches has collected on the concrete nosing.

Condition of structure is good.

REVISIONS:

DESCRIPTION - HYDRAULICS

Channel: RC rectangular upstream, RC vertical wall for east end and grouted rip rap for west end downstream.

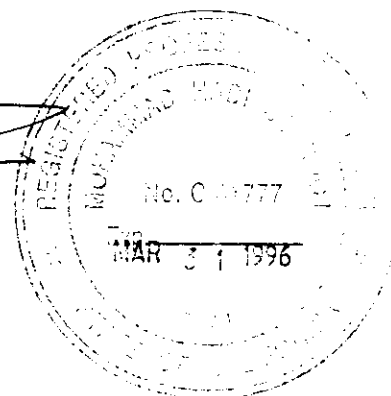
WORK RECOMMENDED:

None.

By

M. Hadi Behrooj

G. P. Balinghasay



GPB:ms

cc: CDHarris
Orange County
WLindsey

INFORMATION ONLY - NOT FOR UPDATE

BRIDGE NUMBER

5 5 C 0 1 1 9

1 8

FRAME

0 1

9

INSPECTION DATE

0 7 2 0 9 5

11 16

SCOUR CRITICAL	NO
CATEGORY A	NO
FRACTURE CRITICAL	NO
ELIGIBLE FOR RAIL UPGRADE	NO
UNDERWATER INSPECTION	NO

DISTRICT _____ 12
COUNTY _____ ORA
ROUTE _____
POSTMILE _____
NAME _____

[illegible]

BY:

08/02/95

SUPPLEMENTARY BRIDGE REPORT
DS-M19 (REV. 8/92)

Bridge Number 55C-119

TYPE OF INVESTIGATION/REPORT

BIENNIAL	<u>X</u>	DAMAGE	___
CATEGORY A	___	OTHER	___
UNDERWATER	___	OFFICE	___

Location 12 - Ora - FAS W450-CR
Dist.-Co.-Rte.-City

Date of Investigation April 16, 1993

Name BREA CANYON CHANNEL (Tonner Canyon Road, 400' south of Brea Boulevard)

CONDITION RATINGS:

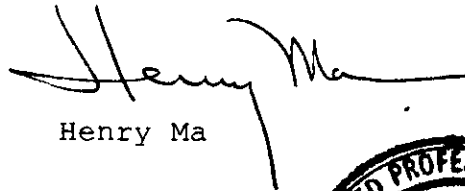
Condition ratings of all bridge elements are shown on the PONTIS DATA FORM (Attachment A).

Channel & Channel Protection

9

CONDITION OF STRUCTURE:

Condition of the structure is good.


Henry Ma

HM:cd
cc: INagai (2)
County of Orange



(ATTACHMENT A)

INFORMATION ONLY - NOT FOR UPDATE

BRIDGE NUMBER	FRAME	INSPECTION DATE
55C0119	01	041693
1	9	11
8		16

SCOUR CRITICAL	NO
CATEGORY A	NO
FRACTURE CRITICAL	NO
ELIGIBLE FOR RAIL UPGRADE	NO
UNDERWATER INSPECTION	NO

DISTRICT	12
COUNTY	ORA
ROUTE	***
POSTMILE	*****
NAME	

[illegible]

BY: *J. W.*

BRIDGE REPORT

14V32

Bridge No. 55C - 119

DS-M58 (REV. 1/91)

Location 12 - Ora - FAS W450-CR
Dist Co Rte City

REVISED ORIGINAL REPORT

Date of Investigation April 12, 1991

Name BRECA CANYON CHANNEL (Tonner Canyon Road, 400' S. of
Brea Boulevard)

Lat. 33° - 56.3'N Long. 117° - 52.6'W

Custodian County of Orange Owner County of Orange

STRUCTURAL DATA AND HISTORY

Year Built 1971 By CALTRANS Contract No. 07-032204

Designed by: Division of Structures Plans Avail. @ DOS

Description: Triple 12' x 10' x 130' RC box culvert (non grade top
culvert) on spread footing under 7'± of fill and AC
surfacing.

Spans (W) 3 @ 12' clear (E)

Length 39' NBIS Bridge Length Yes Skew None

Number Of Intermediate Joints: @Hinges None @Bents None

Maximum Column/Pier Height: (Less than 20') X (20'-29') (30' & Over)

Design Live Load HS20-44 Design Method Unknown

DESCRIPTION - ON STRUCTURE

Bridge Width (S) MBGR, 26'ea, 47', 26'ea, CL Fence (N)

Total Width None Net Width 47' Lanes 4 Tracks None

Median None Rail Type None

1111

Vert. Clearance over deck Unimpaired Appr. Rdwy. Width 47'

Deck Type N Wearing Surface/Prot. Sys. NNN

Alignment Tangent

DESCRIPTION - UNDER STRUCTURE

Roadway Section None

Clearances: Road: Vert. Horiz. Lt. ; Rt.

Lanes Tracks

Facilities Crossed Brea Canyon Channel (A 04)

April 12, 1991

DESCRIPTION - HYDRAULICS

Channel RC rectangular upstream, natural canyon downstream

Navigable: Yes ☐ No ☒ Clearances: Vert. Horiz.Pier/Abutment Protection (For Navigation) ☐

TRAFFIC INFORMATION	DECK	YEAR	UNDER	YEAR
Average Daily Traffic & Year :	200 Est	1991	N	
Average Daily Traffic (Future) :	200 Est	2010	N	
Average Daily Trucks (% OF ADT) :	1% Est		N	
Bypass Detour Length	99 miles		N	
Shell Route:	No		No	
Functional Classification :	09		N	
LOAD RATINGS:	Inventory HS 20	Operating	HS 33	
	Permit P P P P P	Computation Method	Assigned	

CONDITION RATINGS:

Deck ☐ N Superstructure ☐ N Substructure ☐ N
 Channel & Channel Protection ☐ 9 Culvert ☐ 8 Widenable ☐ Yes

APPRAISAL RATINGS:

Waterway Adequacy ☐ 9 Approach Roadway Alignment ☐ 8

Date of Revisions

CONDITION OF STRUCTURE:

Condition of the structure is good.

Henry Ma

HM:ms

cc: INagai (2)
County of Orange

Bridge No. 55C-119
Location 12-Ora - FAS W450 - CR
Dist. Co. Rte. City
Date of Investigation 4-17-89

Name BREA CANYON CHANNEL (Tonner Canyon Road, 400' S. of Brea Boulevard)

CONDITION RATING:

Deck N Superstructure 8 Substr.&Pipes 8
Channel & Channel Protection 6 Culvert N Widenable? Yes

TYPE OF INVESTIGATION/REPORT

BIENNIAL X DAMAGE
CATEGORY A OTHER
UNDERWATER OFFICE

CONDITION OF STRUCTURE:

Condition of the structure is good.

REVISION:

Location: 12-Ora-FAS W450-CR

WORK RECOMMENDED:

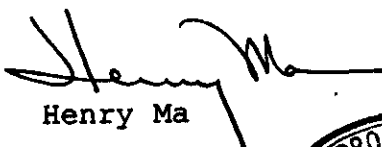
None.

RECOMMENDED POSTING:

None.

SUBSTRUCTURE CODING UPDATE:

RC box culvert on spread footing.


Henry Ma

HM:ms
cc: INagai (2)
County of Orange (2)



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
SUPPLEMENTARY BRIDGE REPORT
DH-05 M19 (REV. 1/74)

Bridge No. 55C-119
Location 7-Ora-FAS W450-CR
Dist - Co - Rte - PM - City
Date of Investigation April 23, 1987

Name BREA CANYON CHANNEL (Tonner Cny. Rd., 400' S of Brea Blvd.)

CONDITION RATING:		APPRAISAL RATING:	
N	8	8	8
Deck	Superstructure	Substr. & Pipes	Overall
	6	N	
Channel & Channel Protection	Retaining Walls		

Widenable? Yes ☒ No ☐ Conditional ☐

Action Required By County Yes ☐ No ☒

PRIORITY

A - Immediate Action
B - Early Scheduling
C - Routine Maint.
O - For Record Only

REVISION:

Condition Rating: Channel & Channel Protection - 6

CONDITION OF STRUCTURE:

Overall condition of the structure is good.

RECOMMENDED POSTING:

None

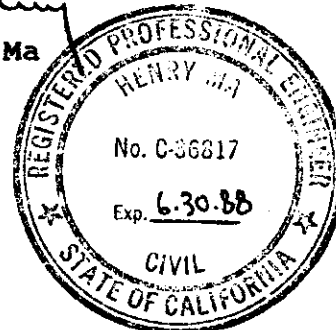
WORK RECOMMENDED:

None

HM:pht

cc: INagai (2)
Orange County (2)

Henry Ma



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
SUPPLEMENTARY BRIDGE REPORT
DH-08-119 (REV. 1/74)

Bridge No. 55C-119
Location 7-Ora-FAS W450-CR
Sta - Co - Pkg - Pk - City
Date of Investigation November 14, 1985

Name BREA CANYON CHANNEL (Tonner Canyon Road, 400' S. of Brea Blvd.)

CONDITION RATING:

APPRAISAL RATING:

Deck N Superstructure 8 Substr. & Pipes 8 Overall 8
Channel & Channel Protection 4 Retaining Walls 8

Widenable? Yes ☒ No ☐ Conditional ☐

Action Required by County Yes ☐ No ☒

PRIORITY

A - Immediate Action
B - Early Scheduling
C - Routine Maint.
O - For Record Only

REVISION:

Location - 7-Ora-FAS W450-CR

Name - BREA CANYON CHANNEL (Tonner Canyon Road, 400' S. of Brea Blvd.)

CONDITION OF STRUCTURE:

The overall condition of the structure is good.

RECOMMENDED POSTING:

None

WORK RECOMMENDED:

None


Henry Ma
C-36817

HM:pdh
cc: INagai (2)
Orange County (2)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
SUPPLEMENTARY BRIDGE REPORT
DH-05 M19 (REV. 1/74)

Bridge No. 55C-119
Location 7-Ora-FAS M003-CR
Dist - Co - Rte - PM - City (On Deck)
Date of Investigation July 13, 1983

Name BREA CANYON CHANNEL (Tonner Canyon Road, 400' W. of Brea Blvd.)

CONDITION RATING:

APPRAISAL RATING:

Deck N Superstructure 8 Substr. & Pipes 8 Overall 8
Channel & Channel Protection 4 Retaining Walls 8

Widenable? Yes ☒ No ☐ Conditional ☐

County Orange
Action Required by District Yes ☐ No ☒

PRIORITY

A - Immediate Action
B - Early Scheduling
C - Routine Maint.
O - For Record Only

WORK DONE:

The previously recommended work has been done.

CONDITION OF STRUCTURE:

The overall condition of the structure is good.

RECOMMENDED POSTING:

None

RECOMMENDATION:

None

E. L. Neff

E. L. Neff
C-28703

ELN:pdh

cc: DRHiggins (2)
Orange County (2)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
SUPPLEMENTARY BRIDGE REPORT
DH-OS M19 (REV. 1/74)

Bridge No. 550-119
Location 07-Orange-PAS MOORE-CR (on deck)
Dist - Co - Rte - PM - City
Date of Investigation July 16, 1981

Name BREA CANYON CHANNEL (Former Canyon Rd., 400' west of Brea Blvd.)

CONDITION RATING:

APPRAISAL RATING:

Deck 8 Superstructure 8 Substr. & Pipes 8 Overall 8
Channel & Channel Protection 4 Retaining Walls 8

Widenable? Yes ☒ No ☐ Conditional ☐

Action Required by County Yes ☒ No ☐

CONDITION OF STRUCTURE:

There is a large erosion area in the north roadway shoulder over the culvert. Also, one chain link fence post has been undermined and is hanging loose. Otherwise, the overall condition of the structure is good.

RECOMMENDED POSTING:

None.

RECOMMENDATIONS:

Backfill the large void in the north shoulder area. Restore the fence post to original grade and position.

E. L. Neff
E. L. Neff
C 28703

ELN:ed
cc: Hattigins (2)
Orange County (2)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
BRIDGE REPORT
DS-M58 (REV. 1/75)

REVISED

Bridge No. **55C-119**
Other No. **Old State No. 55-601**
P.U.C. No. _____
Location **07-0ra-PAS-M003**
Dist - Co - Rte - PM - City
Date of Investigation **May 2, 1980**

Name **BREA CANYON CHANNEL (Tonner Canyon Road -/Ft. W. of Brea Blvd.)**
Lat. **N33°-56.3'** Long. **W117°-52.6'**

STRUCTURAL DATA AND HISTORY

Year Built **1971** By **Division of Highways** Contract No. **07-032204**

Date of Revisions _____

Designed by: B.D. ☒ _____

Plans Avail. @ _____

Dist. 07 Files

Description:

**Triple 12'x10'x129.5' RCB with 7'± AC and dirt cover.
(RCB has curved alignment)**

Spans **3 @ 12' (Clear, normal)**
Length **39.0'** Skew **None** Design LL **HS20-44**
Ratings: Inventory **HS20/Assigned** Operating **HS33/Assigned** Permit **PPPPP/Assigned**

DESCRIPTION - ON STRUCTURE

Bridge Width **(S) 39' dirt; 50'; 40' dirt (N)**
Total Width **None** Lanes **4** Tracks **None**
Median **None** Rail Type **None (1111)**
Vert. Clearance over deck **21'-3" (Over AC Pavement)** Appr. Rdwy. Width **50'**
Wearing Surface **AC (4"±)** Deck Seal **None**
Alignment **Road - 500'± radius curve**

DESCRIPTION - UNDER STRUCTURE

Roadway Section **None**
Clearances: Vert. _____ Horiz. _____ Lt. _____ Rt. _____
Lanes _____ Tracks _____ Pumpplant: None ☒ See Br. No. _____
Facilities Crossed **Brea Canyon Channel**

cc:

(1) CON'T.

Bridge No. **55C-119**
Date **May 2, 1980**

DESCRIPTION - HYDRAULICS
N'y of structure - Concrete lined. SW corner has riprap, SE corner
has a retaining wall, otherwise, S'y of structure - unimproved,
Channel weed filled. N N

Navigable: Yes ☐ No ☒ Clearances: Vert. Horiz. N

MAINTENANCE

Custodian **Orange County** Owner **Orange County**

ORIGINAL
CONDITION RATING

Deck	N
Superstructure	8
Substructure & Pipes	8
Channel & Channel Protection	4
Retaining Walls	8
Approach Rdwy. Alignment	3
Estimated Remaining Life	50

ORIGINAL
APPRAISAL

Overall	8
Deck Geometry	8
Underclearances	Vert. N
	Horiz. N
Safe Load Capacity	9
Waterway Adequacy	4
Approach Rdwy. Alignment	3

Widenable? Yes ☒ No ☐ Conditional ☐ Action Required by District: County
XXXXX Yes ☐ No ☒

AVERAGE DAILY TRAFFIC: 100 (Estimated 1980)

BYPASS DETOUR LENGTH: 4 miles

CONDITION OF STRUCTURE: The structure is in good condition.

LOAD CAPACITY: The ratings shown were assigned based on the known factors (i.e. volume and type of traffic, year built, design live load, etc.) and the condition of the structure.

RECOMMENDATIONS: None

Original signed by
FRANK J. WALLISER

FJW:ym
cc: DRHiggins
Orange County (2)

SUPPLEMENTARY BRIDGE REPORT

Date of Investigation November 14, 1972

Name BREA CANYON CHANNEL 07-Ora-57
Dist.-Co.-Rte.
Location 22.0 Miles North of Jct. Rte. 5 (On Tanner Post Mile
Canyon Rd.)

As a result of action taken by the California Highway Commission on September 21, 1972, Resolution R 1906, this structure was relinquished to the County of Orange.

RECOMMENDATIONS:

Remove from the bridge list, drop from the records, and assign Bridge No. 55C-119.

W. R. Baker

W. R. Baker

WRB:bg
cc: Dist. 07

SUPPLEMENTARY BRIDGE REPORT

Date of Investigation Sept. 5, 1972

Name BREA CANYON CHANNEL

07-Ora-57

Location 22.0 Miles N. of Jct. with Rte. 5

Dist-Co.-Rte.

Post Mile

WORK DONE:

The previously recommended work has been done.
Bridge number paddles have been placed.

CONDITION OF STRUCTURE:

The structure is in good condition throughout.

RECOMMENDATIONS: None

Next Investigation: August 1973

W. R. Baker

W. R. Baker

WRB:cm

cc:Dist. 07

Sheet 1-A

Dist.-Co.-Rt.-Sec.

Summary of Construction, Maintenance and Alteration Work

CONT. OR W. O. No.	DATE	DESCRIPTION	W. O. AMOUNT	FINAL COST
612	11-22-71	to List dated 9-24-71	—	71/c

BRIDGE REPORT

Date of Investigation Aug. 24, 1971

General Description

Name BREA CANYON CHANNEL (On Tonner Canyon Road) 07-Ora-57 Dist.-Co. Rt.

Location 22.0 Miles north of Jct. Rte. 5 Post Mile ----

Description triple 12' x 10'-B RCB culvert, 129.5' long

Railing none Approx. skew NA

Spans 3 @ 12.0' clear (normal)

Total length 39'

Roadway width 48.0' between dirt shoulders Describe median, sbdrs., surf., etc.

Sidewalks none

Width 2 lanes WBnd } Tonner Canyon Road
2 lanes EBnd } Alignment curved - R=500'

Design Live Loading Box culvert strength class "B" Overload rating purple

Waterway Brea Canyon Channel

Other features crossed none

Vertical clearance unimpaired for Tonner Canyon Road

History

Date built 1971 By Division of Highways Contract No. 07-032204

Designed by Bridge Dept. Designer Standard Plans of 1968

Plans in Los Angeles Bridge Dept. Bridge R.E.E. Midkiff

Contractor Griffith Co.

REMARKS This structure is new and in good condition throughout.

EARTHQUAKE - EVALUATION OF SUPPORT POINTS: Good stability

RECOMMENDATIONS: Place bridge number paddles. J. M. Carr

ESTIMATED COST:: Under \$50

NEXT INVESTIGATION: October 1972

GHN:mb

By: G. H. Nakano

cc: District 07
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