
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 : 55C0189
Facility Carried: SYCAMORE DR
Location : 50' N SILVERADO CYN RD
City :
Inspection Date : 29-MAY-01

Bridge Inspection Report

Inspection Type

Routine ☒ Group A ☐ Underwater ☐ Special ☐ Other ☐

Name : SILVERADO CANYON CREEK

CONSTRUCTION INFORMATION

Year Built : 1957
Year Widened : N/A
Length (m) : 8.5

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

Description of Structure : Single span PC/PS concrete cored slab units (3 each) with RC open end seat abutments, all supported upon spread footings.

Span Configuration : (S) 1 @ 7.9 m (N) c/c

LOAD CAPACITY AND RATINGS

Design Live Load : M - 13.5 OR H - 15

Inventory Rating : 32.6 metric tons

Operating Rating : 47.1 metric tons

Permit Rating : PPPPP

Posting Load : Type 3 N/A english tons

Calculation Method : LOAD FACTOR

Calculation Method : LOAD FACTOR

Type 3S2 N/A english tons Type 3-3 N/A english tons

DESCRIPTION ON STRUCTURE

Bridge width : (W) 0.2 m br, 3.3 m, 0.2 m br (E)

Total Width : 3.7 m

Rail Description : MEGR

Min. Vertical Clearance : Unimpaired

Net Width : 3.40 m

No. of Lanes : 1

Rail Code : 0000

DESCRIPTION UNDER STRUCTURE

Channel Description : Natural earth trapezoidal with a cobbled bottom and with grouted rock slopes through the site.

CONDITION OF STRUCTURE

The grouted rock slopes have been undermined at both abutments.

Otherwise, the structure is in good condition.

MISCELLANEOUS

Pedestrian access beneath the structure is from the southwest quadrant.

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 39		Concrete Slab - Unprotected w/ AC Overlay	2	30 sq.m.	30	0	0	0	0
01 215		Reinforced Conc Abutment	2	8 m.	8	0	0	0	0
01 256		Slope Protection	2	2 ea.	0	2	0	0	0
01 330		Metal Bridge Railing - Uncoated	2	16 m.	16		0	0	0
01 361		Scour	3	1 ea.	0	1	0	0	0

Bridge No.: 55C0189

Location: 50' N SILVERADO CYN RD

Inspection Date: 29-MAY-01

WORK RECOMMENDATIONS

Repair/backfill the erosion beneath the grouted rock slopes at the abutments.

<u>Item#</u>	<u>Rec. Date</u>	<u>Work By</u>	<u>Work Id.</u>	<u>Prog. Method</u>	<u>Cost</u>
1	08-FEB-1999	County Agency	40189X99039X		

Inspected By : M. Ogata

M. Ogata
Registered Civil Engineer

CC : TMRut
Orange County

Bridge No.: 55C0189

Location: 50' N SILVERADO CYN RD

Inspection Date: 29-MAY-01

STRUCTURE INVENTORY AND APPRAISAL REPORT

***** IDENTIFICATION *****

(1) STATE NAME - CALIFORNIA 069
 (8) STRUCTURE NUMBER 55C0189
 (5) INVENTORY ROUTE (ON/UNDER) - ON 140 000000
 (2) HIGHWAY AGENCY DISTRICT 12
 (3) COUNTY CODE 059 (4) PLACE CODE 00000
 (6) FEATURE INTERSECTED - SILVERADO CANYON CREEK
 (7) FACILITY CARRIED - SYCAMORE DR
 (9) LOCATION - 50' N SILVERADO CYN RD
 (11) MILEPOINT/KILOMETERPOINT 0
 (12) BASE HIGHWAY NETWORK - NOT ON NET 0
 (13) LRS INVENTORY ROUTE & SUBROUTE
 (16) LATITUDE 33 DEG 44 MIN 49 SEC
 (17) LONGITUDE 117 DEG 37 MIN 44 SEC
 (98) BORDER BRIDGE STATE CODE % SHARE %
 (99) BORDER BRIDGE STRUCTURE NUMBER

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

(43) STRUCTURE TYPE MAIN: MATERIAL - PRESTRESS CONC
 TYPE - SLAB CODE 5 01
 (44) STRUCTURE TYPE APPR: MATERIAL -
 TYPE - CODE
 (45) NUMBER OF SPANS IN MAIN UNIT 1
 (46) NUMBER OF APPROACH SPANS 0
 (107) DECK STRUCTURE TYPE PRECAST CONC. PANELS CODE 2
 (108) WEARING SURFACE / PROTECTIVE SYSTEM:
 A) TYPE OF WEARING SURFACE - BITUMINOUS CODE 6
 B) TYPE OF MEMBRANE - NONE CODE 0
 C) TYPE OF DECK PROTECTION - NONE CODE 0

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

(27) YEAR BUILT 1957
 (106) YEAR RECONSTRUCTED 0000
 (42) TYPE OF SERVICE: ON - HIGHWAY 1
 UNDER - WATERWAY 5
 (28) LANES: ON STRUCTURE 01 UNDER STRUCTURE
 (29) AVERAGE DAILY TRAFFIC 50
 (30) YEAR OF ADT 1998 (109) TRUCK ADT %
 (19) BYPASS, DETOUR LENGTH 199 KM

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

(48) LENGTH OF MAXIMUM SPAN 7.9 M
 (49) STRUCTURE LENGTH 8.5 M
 (50) CURB OR SIDEWALK: LEFT 0 M RIGHT 0 M
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 3.4 M
 (52) DECK WIDTH OUT TO OUT 3.7 M
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 3.4 M
 (33) BRIDGE MEDIAN - CLOSED (NO BARRIER) 2
 (34) SKEW 0 DEG (35) STRUCTURE FLARED NO
 (10) INVENTORY ROUTE MIN VERT CLEAR 99.99 M
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 3.4 M
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 99.99 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 = 72.4 *****

STATUS = FUNCTIONALLY OBSOLETE

HEALTH INDEX = 100

***** CLASSIFICATION *****

(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 - 1 LANE, 2 WAY 3
 (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 *****

(58) DECK 7
 (59) SUPERSTRUCTURE 7
 (60) SUBSTRUCTURE 6
 (61) CHANNEL & CHANNEL PROTECTION 8
 (62) CULVERTS N

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

(31) DESIGN LOAD - M - 13.5 OR H - 15 2
 (63) OPERATING RATING METHOD - LOAD FACTOR 1
 (64) OPERATING RATING - 47.1
 (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 *****

(67) STRUCTURAL EVALUATION 6
 (68) DECK GEOMETRY 3
 (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL N
 (71) WATER ADEQUACY 9
 (72) APPROACH ROADWAY ALIGNMENT 6
 (36) TRAFFIC SAFETY FEATURES 0000
 (113) SCOUR CRITICAL BRIDGES 6

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

(75) TYPE OF WORK - MISC STRUCTURAL WORK CODE 38
 (76) LENGTH OF STRUCTURE IMPROVEMENT 8.5 M
 (94) BRIDGE IMPROVEMENT COST \$38,000
 (95) ROADWAY IMPROVEMENT COST \$4,000
 (96) TOTAL PROJECT COST \$57,000
 (97) YEAR OF IMPROVEMENT COST ESTIMATE 1999
 (114) FUTURE ADT 50
 (115) YEAR OF FUTURE ADT 2015

***** INSPECTIONS *****

(90) INSPECTION DATE 05/01 (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-189

TYPE OF INVESTIGATION/REPORT			
BIENNIAL	<u>X</u>	DAMAGE	___
CATEGORY A	___	OTHER	___
UNDERWATER	___	OFFICE	___

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

Date of Investigation July 5, 1995

Name SILVERADO CANYON CREEK (Sycamore Drive, 50' north of Silverado Canyon Road)

CONDITION RATINGS:

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

Channel & Channel Protection

8

SCOUR CRITICAL:

A scour rating of B-2 is appropriate.

CONDITION OF STRUCTURE:

- A. Bottom of footing for south abutment has scoured.
- B. Bolts for rail posts for north end of east rail have pulled out from edge of deck.

Condition of structure is good.

WORK RECOMMENDED:

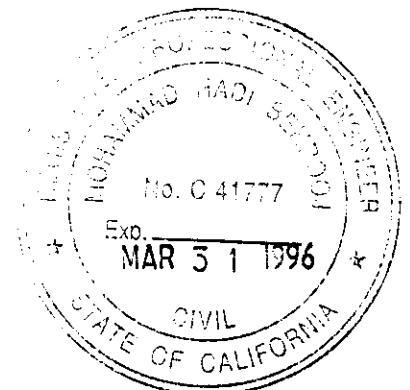
1. Backfill around footing at location "A". Protect backfill with rocks or other slope protection method.
2. Replace bolts for location "B".

ENCROACHMENTS:

One 0.15 m diameter welded steel pipe attached to west exterior.

By M. Hadi Behrooj
G. P. Balinghasay

GPB:cd
cc: CDHarris
Orange County
WLindsey



DISTRICT	12
COUNTY	ORA
ROUTE	
POSTMILE	
NAME	

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

BY: [Signature]

Bridge No. 55C-189

Name SILVERADO CANYON CREEK (Sycamore Drive, 50' north of Silverado Canyon Road) Location 12-Ora-CR
Dist.-Co.-Rte.-City

SUMMARY OF ENCROACHMENTS

Permit No. and Permittee	Date	Description & Location on Bridge
	Prior to 7-5-95	1 - 0.15 m diameter welded steel pipe attached to west exterior.

HBD M 30

SUPPLEMENTARY BRIDGE REPORT

DS-M19 (REV. 8/92)

Bridge Number 55C-189

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

Date of Investigation April 21, 1993

TYPE OF INVESTIGATION/REPORT

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

Name SILVERADO CANYON CREEK (Sycamore Drive, 50' north of Silverado Canyon Road)

CONDITION RATINGS:

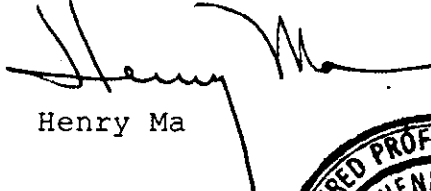
Condition ratings of all bridge elements are shown on the PONTIS DATA FORM (Attachment A).

Channel & Channel Protection

8

CONDITION OF STRUCTURE:

Condition of the structure is good.


Henry Ma

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



PONTIS DATA FORM - PIA

BRIDGE NUMBER	FRAME	INSPECTION DATE
55C0189	01	042193
1	8	9
		11
		16

INFORMATION ONLY - NOT FOR UPDATE

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:

BRIDGE REPORT

DS-M58 (REV. 1/91)

14W14

Bridge No. 55C - 189

Location 12 - Ora - CR
Dist Co Rte City

REVISED ORIGINAL REPORT

Date of Investigation April 18, 1991

Name SILVERADO CANYON CREEK (Sycamore Drive, 50' north of Silverado Canyon Road)

Lat. 33° - 44.8'N Long. 117° - 37.7'W

Custodian County of Orange Owner County of Orange

STRUCTURAL DATA AND HISTORY

Year Built 1957 By County of Orange Contract No. Unknown

Designed by: County Plans Avail. @ County

Description: Single span PC/PS concrete cored slab units (3 each) supported by open end RC seated abutments on spread footing.

Spans (S) 26' (N)

Length 28' 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 H15 Design Method Unknown

DESCRIPTION - ON STRUCTURE

Bridge Width (W) 0.5'br 11' 0.5'br (E)

Total Width 12' Net Width 11' Lanes 1 Tracks None

Median None Rail Type Metal beam

Vert. Clearance over deck Unimpaired Appr. Rdwy. Width 11'

Deck Type 2 Wearing Surface/Prot. Sys. 600 AC/none

Alignment Tangent

DESCRIPTION - UNDER STRUCTURE

Roadway Section None

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

Lanes Tracks

Facilities Crossed Silverado Canyon (E17)

0000

April 18, 1991

DESCRIPTION - HYDRAULICS

Channel Natural stream with gravel bottom

Navigable: Yes ☐ No ☒ Clearances: Vert.

Horiz.

Pier/Abutment Protection (For Navigation) ☐

TRAFFIC INFORMATION

	DECK	YEAR	UNDER	YEAR
Average Daily Traffic & Year :	50 Est	1991	N	
Average Daily Traffic (Future) :	50 Est	2010	N	
Average Daily Trucks (% OF ADT) :	N		N	
Bypass Detour Length	99 miles		N	
Shell Route:	No		No	
Functional Classification :	09		N	
LOAD RATINGS:	Inventory HS 20	Operating HS 29		
	Permit P P P P P	Computation Method Load Factor		

CONDITION RATINGS:

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

APPRAISAL RATINGS:

Waterway Adequacy	9	Approach Roadway Alignment	6
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Date of Revisions

CONDITION OF STRUCTURE:

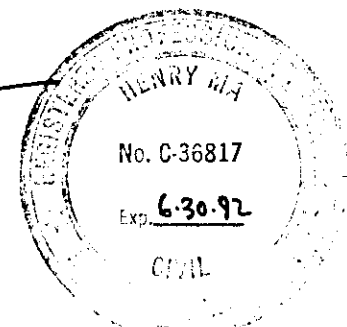
Minor damage to metal beam bridge rail is noted.

Condition of the structure is good.

ENCROACHMENT:

6" welded steel pipe attached to west exterior.

Henry Ma



HM:ms

cc: INagai (2)
County of Orange

SUPPLEMENTARY BRIDGE REPORT
DS-M19 (REV. 8/88)

Bridge No. 55C-189

Location 12-Ora-CR
Dist. Co. Rte. PM. City

Date of Investigation 4-11-89

Name SILVERADO CANYON CREEK (Sycamore Drive, 50' north of Silverado Canyon Road)

CONDITION RATING:

Deck 7 Superstructure 7 Substr.&Pipes 7
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-CR

Name: SILVERADO CANYON CREEK (Sycamore Drive, 50' north of Silverado Canyon Road)

WORK RECOMMENDED:

None.

RECOMMENDED POSTING:

None.

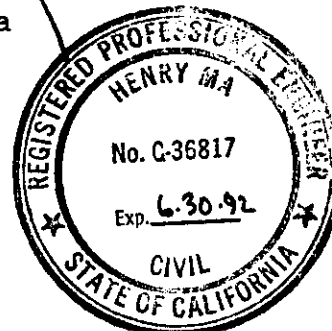
SUBSTRUCTURE CODING UPDATE:

Single span structure.

2 RC seated abutments on spread footing.


Henry Ma

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



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

Bridge No. 55C-189
Location 7-Ora-CR
Dist - Co - Rte - PM - City

Date of Investigation April 20, 1987

Name SILVERADO CANYON CREEK (Sycamore Dr. at Silverado Canyon Rd.)

CONDITION RATING:

Deck 7 Superstructure 7 Substr. & Pipes 7 Overall 7
Channel & Channel Protection 6 Retaining Walls N

APPRAISAL RATING:

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:

Average Daily Traffic - 100 (Estimated 1987)

CONDITION OF STRUCTURE:

There is a minor concrete spall at the northeast corner abutment seat under the precast deck unit. 0

Northeast end rail post received impact damage. 0

Otherwise, 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-05 MIS (REV. 1/74)

Bridge No. 55C-189
Location 7-Ora-CR
Stad - Co - Hqs - Pl - City
Date of Investigation January 8, 1986

Name SILVEADO CANYON CREEK (Sycamore Dr. at Silverado Canyon Road)

CONDITION RATINGS:

APPRAISAL RATINGS:

Deck 7 Superstructure 7 Substr. & Pipes 7 Overall 7
Channel & Channel Protection 6 Retaining Walls N

Widenable? Yes ☒ No ☐ Conditional ☐

Action Required by County Yes ☐ No ☒

PRIORITY

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

WORK DONE:

The previously recommended erosion repair work at the south abutment has been done.

CONDITION OF STRUCTURE:

The overall condition of the structure is good.

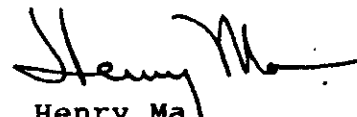
RECOMMENDED POSTING:

None

WORK RECOMMENDED:

None

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


Henry Ma
C-36817

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

14W14
Bridge No. 55C-189
Location 7-Ora-CR
Dist. - Co. - Rte. - P.M. - City
Date of Investigation October 26, 1983

Name SILVERADO CANYON CREEK (Sycamore Dr. at Silverado Canyon Road)

CONDITION RATING:

APPRAISAL RATING:

Deck 7 Superstructure 7 Substr. & Pipes 7 Overall 7
Channel & Channel Protection 6 Retaining Walls N

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

PRIORITY

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

CONDITION OF STRUCTURE:

The northbound roadway approach has eroded 1½' into the roadway section and there is a hole at the bridge paving notch on this one lane bridge.

RECOMMENDED POSTING:

None

RECOMMENDATION:

Place a new abutment embankment in order to channel the stream flow under the bridge and backfill the roadway section. A

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
OH-OS MIS (REV. 1/74)

Bridge No. 55C-189
Location 07-Oran-CR
Dist - Co - Rte - PM - City
Date of Investigation October 19, 1981

Name SILVERADO CANYON CREEK (Sycamore Dr. at Silverado Canyon Road)

CONDITION RATING:

APPRAISAL RATING:

Deck 7 Superstructure 7 Substr. & Pipes 7 Overall 7
Channel & Channel Protection 6 Retaining Walls (N)

Widenable? Yes ☒ No ☐ Conditional ☐

County:
Action Required by District Yes ☐ No ☒

CONDITION OF STRUCTURE:

The overall condition of the structure is good.

RECOMMENDED POSTING:

None.

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

ELN:cd
cc: DRHiggins (2)
Orange County (2)

bra-co

DIST	ROUTE	COUNTY	STRU. NO	POSTMILE	RATING	WIDTH-FT	STRU TYPE	YR ORIG CONST			
07	CO RD	55 C	0189	.	012.0			57	AUG. 17, 1978		
	RATING FACTOR	PT	SPAN	ULT MOM CAP TOP IN COM	ULT MOM CAP BOT IN COM	POS H820 MOMENT	NEG H820 MOMENT	POS PURP MOMENT	NEG PURP MOMENT	DEAD LOAD MOMENT	SECONDARY MOMENT
INV	1.00	4	1	981.5	0.0	355.8	0.0	457.5	0.0	212.8	0.0
OPER	1.47	4	1	981.5	0.0	355.8	0.0	457.5	0.0	212.8	0.0
PURP	1.08	5	1	981.5	0.0	317.7	0.0	476.5	0.0	221.7	0.0

THE NUMBER OF AXLES ON THE TRUCK THAT CAUSES THE PURPLE RATING FACTOR IS 13.

FC = 0.0 FY = 0.
FS = 270, FPC = 4.00
PS PHIS 1.00

THE INVENTORY RATING POINT WAS SET BY PS CRITERIA

IF THE REPORTED ULTIMATE MOMENT CAPACITY IS 0, IT WAS DETERMINED NOT TO BE CRITICAL

- 2 SYCAMORE DRIVE OVER SILVERADO CREEK
- 3 SIMPLE SPAN PG/PC SLAB UNIT W/3" AC SURFACING 8/78
- 4 SLAB UNITS ARE 4 FT WIDE

PPPPP

DIST	ROUTE	COUNTY	STRU. NO	POSTMILE	RATING	WIDTH-FT	STRU TYPE	YR ORIG	CONST
07	CU RD	55 C	0189	.	012.0			57	

AUG. 17, 1978

INFLUENCE LINE FOR CRITICAL INVENTORY RATING POINT SPAN 1 10TH POINT 4

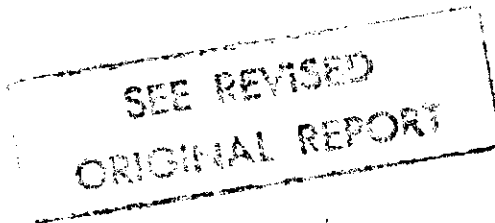
MEM	LEFT	.1	.2	.3	.4	.5	.6	.7	.8	.9	RIGHT
NO											
1	0.0	1.680	3.360	5.040	6.720	5.600	4.480	3.360	2.240	1.120	0.0

THE CRITICAL OPERATING RATING POINT IS THE SAME AS THE CRITICAL INVENTORY RATING POINT

INFLUENCE LINE FOR CRITICAL PURPLE RATING POINT SPAN 1 10TH POINT 5

1	0.0	1.400	2.800	4.200	5.600	7.000	5.600	4.200	2.800	1.400	0.0
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2 SYCAMORE DRIVE OVER SILVERADO CREEK
 3 SIMPLE SPAN PS/PC SLAB UNIT W/3" AC SURFACING 8/78
 4 SLAB UNITS ARE 4 FT WIDE



Bridge No. **55C-189**
Other No. **SV-16**
P.U.C. No. _____
Location **07-0ra-CR**
Dist - Co - Rte - PM - City
Date of Investigation **May 19, 1978**

Name **SILVERADO CANYON CREEK (Sycamore Dr. at Silverado Canyon Rd.)**
Lat. **33° - 44.8'** Long. **117° - 37.7'**

STRUCTURAL DATA AND HISTORY

Year Built **1957** By **Orange County** Contract No. **---**

Date of Revisions _____

Designed by: B.D. ☐ **County** Plans Avail. @ **County**

Description: **Single span PC/PS slab, RC seated abutments supported on spread footings.**

Spans **26' clear**
Length **28'** Skew **None** Design LL **H15-84**
Ratings: Inventory **HS 20/LF** Operating **HS 29/LF** Permit **PPPPP/LF**

DESCRIPTION - ON STRUCTURE

Bridge Width **12'**
Total Width **12'** Lanes **1** Tracks **None**
Median **None** Rail Type **HEAVY (0000)**
Vert. Clearance over deck **Unimpaired** Appr. Rdwy. Width **12'**
Wearing Surface **3" AC** Deck Seal **None**
Alignment **Tangent**

DESCRIPTION - UNDER STRUCTURE

Roadway Section **None**
Clearances: Vert. _____ Horiz. _____ Lt. _____ Rt. _____
Lanes _____ Tracks _____ Pumpplant: None ☐ See Br. No. _____
Facilities Crossed **Silverado Canyon Creek**

cc:

Bridge No. 550-189
Date May 19, 1978

DESCRIPTION - HYDRAULICS

Channel Natural

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

MAINTENANCE

Custodian Orange County Owner Orange County

ORIGINAL
CONDITION RATING

Deck	<u>7</u>
Superstructure	<u>7</u>
Substructure & Pipes	<u>7</u>
Channel & Channel Protection	<u>6</u>
Retaining Walls	<u>---</u>
Approach Rdwy. Alignment	<u>7</u>
Estimated Remaining Life	<u>30</u>

ORIGINAL
APPRAISAL

Overall	<u>7</u>
Deck Geometry	<u>3</u>
Underclearances	Vert. <u>---</u>
	Horiz. <u>---</u>
Safe Load Capacity	<u>7</u>
Waterway Adequacy	<u>6</u>
Approach Rdwy. Alignment	<u>9</u>

Widenable? Yes ☒ No ☐ Conditional ☐

AVERAGE DAILY TRAFFIC:

BYPASS DETOUR LENGTH:

ENCROACHMENTS:

CONDITION OF STRUCTURE:

LOAD CAPACITY:

County
Action Required by ~~SEMIN~~ Yes ☐ No ☒

100⁺ (1978)

99

6" cement coated steel water line
attached to west side.

The structure is in good condition.

Calculated by the Office of Structures
Maintenance rating section.

CEB:mb
cc: Dist. 07 Local Ass't
Orange County (2)

Original signed by
C. E. Broussard