DEPARTMENT OF TRANSPORTATION
Structure Maintenance & Investigations

Bridge Number : 55C0651
Facility Carried: OSO PARKWAY POC
Location : 0.4 MI. E/O ANTONIO PKWY
City :
Inspection Date : 04/30/2018

Bridge Inspection Report

Inspection Type

Routine	FC	Underwater	Special	Other
X				

STRUCTURE NAME: OSO PARKWAY POC

CONSTRUCTION INFORMATION

Year Built : 1999
Year Modified: N/A
Length (m) : 63.3
Skew (degrees): 0
No. of Joints : 0
No. of Hinges : 0

Structure Description: Continuous 3- span CIP/PS concrete box girder (2 cells) with RC single column bents, and RC open end seated diaphragm abutments, all supported upon 45 ton CIDH concrete piles, except Bent 2 is supported upon a spread footing.

Span Configuration : (W) 38.4 feet, 127.0 feet, 38.4 feet (E)

SAFE LOAD CAPACITY AND RATINGS

Design Live Load: PEDESTRIAN
Inventory Rating: N/A Calculation Method:
Operating Rating: N/A Calculation Method:
Permit Rating : N/A
Posting Load : Type 3: N/A Type 3S2: N/A Type 3-3: N/A

DESCRIPTION ON STRUCTURE

Deck X-Section: (N) 9.8 feet (S)
Total Width: N/A Net Width: N/A No. of Lanes: N/A Speed: N/A
Min. Vertical Clearance: Unimpaired Overlay Thickness: 0.0 inches
Rail Code: NNNN

DESCRIPTION UNDER STRUCTURE

Facility Name	Func Class	Lanes	Horiz Clr (m)	Vert Clr (m)
Oso Parkway	14	6	13.40	5.81

Channel Description: none

NOTICE

The bridge inspection condition assessment used for this inspection is based on the American Association of State Highway and Transportation Officials (AASHTO) Bridge Element Inspection Manual 2013 as defined in Moving Ahead for Progress in the 21st Century (MAP-21) federal law. The new element inspection methodology may result in changes to related condition and appraisal ratings on the bridge without significant physical changes at the bridge.

The element condition information contained in this report represents the current condition of the bridge based on the most recent routine and special inspections. Some of the notes presented below may be from an inspection that occurred prior to the date noted in this report. Refer to the Scope and Access section of this inspection report for a description of which portions of the bridge were inspected on this date.

INSPECTION COMMENTARY

SCOPE AND ACCESS
A complete routine inspection was performed by walking on and around the bridge to inspect all visible elements of the bridge structure. Bridge deck was inspected by walking. Soffit and all substructure were inspected by walking underneath the bridge.

INSPECTION COMMENTARY

There is no need of a special equipment to inspect this structure.

DECK AND ROADWAY
There are minor random hairline transverse deck cracks (less than 0.02 inches wide, 2.0 feet in spacing).

There is no notable distress observed at the time of inspection.

SUPERSTRUCTURE
There is no notable distress observed at the time of inspection.

SUBSTRUCTURE
There is no notable distress observed at the time of inspection.

MISCELLANEOUS
The bridge was painted through out the entire structure including the Chain Link Fence at the time of inspection.

ELEMENT INSPECTION RATINGS AND COMMENTARY

Elem No.	Defect /Prot	Defect	Element Description	Env	Total Qty	Units	Qty in each Condition State St. 1	St. 2	St. 3	St. 4
12			**Deck-RC**	2	193	sq.m	173	20	0	0
	1130		**Cracking (RC and Other)**	2	20		0	20	0	0
(12) There were no significant defects noted.										
(12-1130) There are minor random hairline transverse deck cracks (less than 0.02 inches wide, 2.0 feet in spacing).										
104			**Box Girder-PS Conc.**	2	63	m	63	0	0	0
(104) There were no significant defects noted.										
205			**Column-RC**	2	2	each	2	0	0	0
(205) There were no significant defects noted.										
215			**Abutment-RC**	2	6	m	6	0	0	0
(215) There were no significant defects noted.										
252			**Pile-CIDH**	2	1	ea.	1	0	0	0
(252) The pile element is included to indicate the presence of piles on this structure. The piles were not exposed for visual inspection. No indication of pile distress was noted in any substructure element.										
301			**Joint-Pourable Seal**	2	6	m	6	0	0	0
(301) There were no significant defects noted.										

WORK RECOMMENDATIONS - NONE

Team Leader : Edwin Mah

Report Author : Nelson N. Vo

Inspected By : NN.Vo/E.Mah

10/1/2018

Edwin Mah (Registered Civil Engineer) (Date)

REGISTERED PROFESSIONAL ENGINEER
Edwin
Mah
No. 27141
03/31/2019
CIVIL
STATE OF CALIFORNIA

STRUCTURE INVENTORY AND APPRAISAL REPORT

********** IDENTIFICATION **********

(1) STATE NAME- CALIFORNIA 069
(8) STRUCTURE NUMBER **55C0651**
(5) INVENTORY ROUTE(ON/UNDER)- UNDER 24000000
(2) HIGHWAY AGENCY DISTRICT 12
(3) COUNTY CODE 059 (4) PLACE CODE 00000
(6) FEATURE INTERSECTED- MEANDERING TRAIL
(7) FACILITY CARRIED- OSO PARKWAY POC
(9) LOCATION- 0.4 MI. E/O ANTONIO PKWY.
(11) MILEPOINT/KILOMETERPOINT 0
(12) BASE HIGHWAY NETWORK- PART OF NET 1
(13) LRS INVENTORY ROUTE & SUBROUTE 0000000000
(16) LATITUDE 33 DEG 35 MIN 05.56 SEC
(17) LONGITUDE 117 DEG 37 MIN 32.34 SEC
(98) BORDER BRIDGE STATE CODE % SHARE %
(99) BORDER BRIDGE STRUCTURE NUMBER

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

(43) STRUCTURE TYPE MAIN:MATERIAL- PRSTR CONC CONT
TYPE- BOX BEAM OR GIRDER - MULTI CODE 605
(44) STRUCTURE TYPE APPR:MATERIAL- OTHER/NA
TYPE- OTHER/NA CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 3
(46) NUMBER OF APPROACH SPANS 0
(107) DECK STRUCTURE TYPE- CIP CONCRETE CODE 1
(108) WEARING SURFACE / PROTECTIVE SYSTEM:
A) TYPE OF WEARING SURFACE- NONE CODE 0
B) TYPE OF MEMBRANE- NONE CODE 0
C) TYPE OF DECK PROTECTION- NONE CODE 0

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

(27) YEAR BUILT 1999
(106) YEAR RECONSTRUCTED 0000
(42) TYPE OF SERVICE: ON- PEDESTRIAN-BICYCLE 3
UNDER- HIGHWAY W/WO PEDESTR 1
(28) LANES:ON STRUCTURE UNDER STRUCTURE 06
(29) AVERAGE DAILY TRAFFIC 27000
(30) YEAR OF ADT 2003 (109) TRUCK ADT 1 %
(19) BYPASS, DETOUR LENGTH 3 KM

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

(48) LENGTH OF MAXIMUM SPAN 38.7 M
(49) STRUCTURE LENGTH 63.3 M
(50) CURB OR SIDEWALK: LEFT 0.0 M RIGHT 0.0 M
(51) BRIDGE ROADWAY WIDTH CURB TO CURB N
(52) DECK WIDTH OUT TO OUT 3.0 M
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) N
(33) BRIDGE MEDIAN- NO MEDIAN 0
(34) SKEW 0 DEG (35) STRUCTURE FLARED NO
(10) INVENTORY ROUTE MIN VERT CLEAR 5.81 M
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 13.4 M
(53) MIN VERT CLEAR OVER BRIDGE RDWY 99.99 M
(54) MIN VERT UNDERCLEAR REF- HIGHWAY 5.81 M
(55) MIN LAT UNDERCLEAR RT REF- HIGHWAY 1.5 M
(56) MIN LAT UNDERCLEAR LT 4.3 M

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

(38) NAVIGATION CONTROL- NOT APPLICABLE CODE N
(111) PIER PROTECTION- CODE
(39) NAVIGATION VERTICAL CLEARANCE 0.0 M
(116) VERT-LIFT BRIDGE NAV MIN VERT CLEAR M
(40) NAVIGATION HORIZONTAL CLEARANCE 0.0 M

****
SUFFICIENCY RATING =
STATUS
HEALTH INDEX 97.9
PAINT CONDITION INDEX = N/A

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

(112) NBIS BRIDGE LENGTH- YES Y
(104) HIGHWAY SYSTEM- ROUTE ON NHS 1
(26) FUNCTIONAL CLASS- OTHER PRIN ART URBAN 14
(100) DEFENSE HIGHWAY- NOT STRAHNET 0
(101) PARALLEL STRUCTURE- NONE EXISTS N
(102) DIRECTION OF TRAFFIC- 2 WAY 2
(103) TEMPORARY STRUCTURE-
(105) FED.LANDS HWY- NOT APPLICABLE 0
(110) DESIGNATED NATIONAL NETWORK - NOT ON NET 0
(20) TOLL- ON FREE ROAD 3
(21) MAINTAIN- PRIVATE (OTHER THAN RAILROAD) 26
(22) OWNER- PRIVATE (OTHER THAN RAILROAD) 26
(37) HISTORICAL SIGNIFICANCE- NOT ELIGIBLE 5

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

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

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

(31) DESIGN LOAD- PEDESTRIAN 7
(63) OPERATING RATING METHOD-
(64) OPERATING RATING- N/A
(65) INVENTORY RATING METHOD-
(66) INVENTORY RATING- N/A
(70) BRIDGE POSTING-
(41) STRUCTURE OPEN, POSTED OR CLOSED- A
DESCRIPTION- OPEN, NO RESTRICTION

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

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

********** 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 30299
(115) YEAR OF FUTURE ADT 2034

********** INSPECTIONS **********

(90) INSPECTION DATE 04/18 (91) FREQUENCY 72 MO
(92) CRITICAL FEATURE INSPECTION: (93) CFI DATE
A) FRACTURE CRIT DETAIL- NO MO A)
B) UNDERWATER INSP- NO MO B)
C) OTHER SPECIAL INSP- NO MO C)

55C0651 OSO PARKWAY POC 0.4 MI. E/O ANTONIO PKWY. 04/30/2018 [AAAE]
100 - PHOTO> Routine-Roadway View

Photo No. 1
Elevation looking west

55C0651 OSO PARKWAY POC 0.4 MI. E/O ANTONIO PKWY. 04/30/2018 [AAAE]
100 - PHOTO> Routine-Roadway View

Photo No. 1
Deckview looking east

55C0651 OSO PARKWAY POC 0.4 MI. E/O ANTONIO PKWY. 04/30/2018 [AAAE]
100 - PHOTO> Routine-Roadway View

Photo No. 1

55C0651 OSO PARKWAY POC 0.4 MI. E/O ANTONIO PKWY. 04/30/2018 [AAAE]
101 - PHOTO> Routine-Elevation View

Photo No. 1
Elevation looking south

55C0651 OSO PARKWAY POC 0.4 MI. E/O ANTONIO PKWY. 04/30/2018 [AAAE]
101 - PHOTO> Routine-Elevation View

Photo No. 1

Photo No. 1

Photo No. 1

55C0651 OSO PARKWAY POC 0.4 MI. E/O ANTONIO PKWY. 04/30/2018 [AAAE]
135 - PHOTO> Routine-Underside View

Photo No. 1

55C0651 OSO PARKWAY POC 0.4 MI. E/O ANTONIO PKWY. 04/30/2018 [AAAE]
136 - PHOTO> Routine-Google Map View

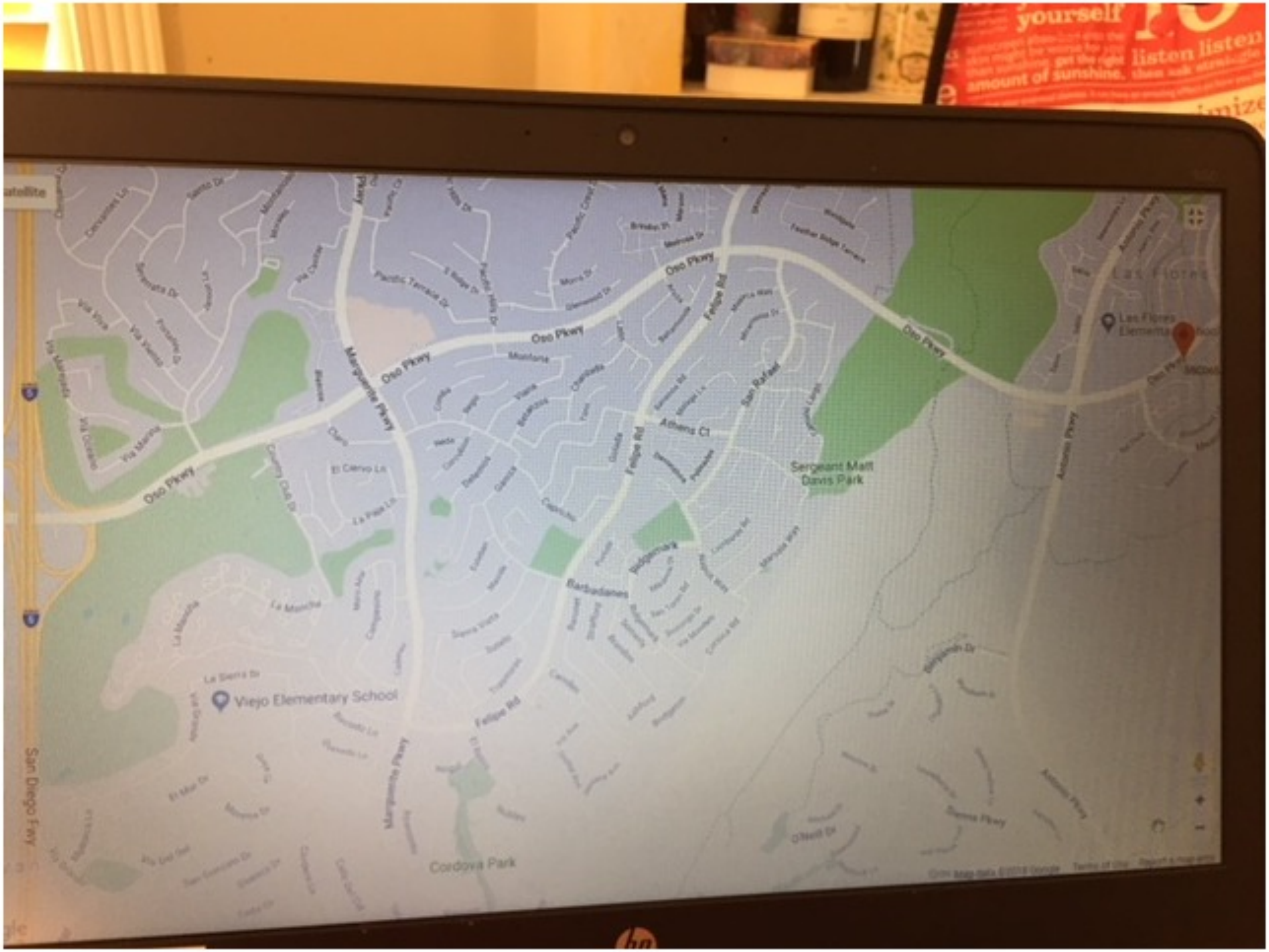

Photo No. 1