

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE
MANUAL

221.061

SACRAMENTO RIVER
FLOOD CONTROL PROJECT

UNIT NO. 116

WEST LEVEE OF SACRAMENTO RIVER
FROM SACRAMENTO WEIR TO MILE 51.2
AND
SOUTH LEVEE OF SACRAMENTO BY-PASS
AND
EAST LEVEE OF YOLO BY-PASS FROM
SACRAMENTO BY-PASS TO SOUTH BOUNDARY OF RECL.
DIST. 900



SACRAMENTO DISTRICT
CORPS OF ENGINEERS
U. S. ARMY
SACRAMENTO, CALIFORNIA

55-2867

CORPS OF ENGINEERS
U. S. ARMY

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Sacramento District
Corps of Engineers
U. S. Army
August 1955

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DIST. 900

LOCATION	ADDITION OR REVISION	DATE
1-05 m.	Add contract no. 57-29	Nov 1963
1-04 n.	Add contract no. 57-59	Nov 1963
Exhibit B	Add drawing no. 50-4-3280	Nov 1963
Exhibit B	Add drawing no. 50-4-3298	Nov 1963
Exhibit B	Add drawing no. 50-4-3313	Nov 1963
1-04 o.	Add contract no. 64-74	Oct 1964
Exhibit B	Add drawing no. 50-4-3735	Oct 1964
Exhibit F	Add copy of letter of acceptance dated 16 Sep 1964	Oct 1964
1-04 p.	Add contract no. 62-63	Jul 1966
Exhibit B	Add drawing no. 50-4-3702	Jul 1966
Exhibit F	Add copy of letter of acceptance dated 29 Jun 1962	Jul 1966
1-04 q.	Added contract no. 65-137	Sep 1966
Exhibit B	Added drawing 50-4-4079	Sep 1966
1-04 r.	Add contract no. 66-15	Dec 1966
Exhibit B	Add drawing no. 50-4-3848	Dec 1966
Exhibit F	Add copy of letter of acceptance dated 28 Jun 1966	Dec 1966
1-04 s.	Add contract no. 66-134	Dec 1966
Exhibit B	Add drawing no. 50-4-4214	Dec 1966
Exhibit F	Add letter of transfer dated 29 Nov 1966	Dec 1966
1-04 t.	Add contract No. 67-C-0082	Jan 1968
Exhibit B	Add drawing no. 50-4-4348	Jan 1968
Exhibit F	Add copy of letter of acceptance dated 21 Dec 1967	Jan 1968
1-04 u.	Add contract no. C-67-0027	Apr 1968
Exhibit B	Added drawing no. 50-4-4047	Apr 1968
Exhibit F	Added acceptance letter dated 19 Feb 1968	Apr 1968
1-04 v.	Add contract No. DACW05-69-C-0064	Feb 1970
Exhibit B	Added drawing no. 50-4-4476	Feb 1970
Exhibit F	Added acceptance letter dated 13 Nov 1969	Feb 1970

LOCATION	ADDITION OR REVISION	DATE
1-04 v.	Add contract no. 50-4-4179	Dec 1970
Exhibit B	Add drawing no. 50-4-4179	Dec 1970
Exhibit F	Add copy of letter of acceptance dated 24 Dec 1968	Dec 1970
1-04 v.	(December 1970) Changed to 1-04 w.	Dec 1971
1-04 x.	Add contract no. DACW05-71-C-0021	Dec 1971
Exhibit B	Add drawing no. 50-4-4378	Dec 1971
Exhibit F	Add copy of letter of acceptance dated 9 Dec 1971	Dec 1971
1-04	Add subparagraph y.	Apr 1973
Exhibit B	Added drawing no. 50-4-4487	Apr 1973
Exhibit F	Added acceptance letter dated 18 Dec 1972	Apr 1973
1-04	Ad subparagraph z.	Oct 1975
2-01	Add subparagraph c.	Oct 1975
Exhibit B	Add drawing no. 50-4-4687	Oct 1975
Exhibit F	Add copy of letter of acceptance dated 15 Feb 1973	Oct 1975
1-04	Add subparagraph aa.	Nov 1975
Exhibit B	Add drawing no. 50-4-4713	Nov 1975
Exhibit F	Add copy of letter of acceptance dated 15 Nov 1974	Nov 1975
1-04	Add subparagraph bb.	Aug 1977
2-01	Revised subparagraph c.	Aug 1977
Exhibit A1	Revised location map	Aug 1977
Exhibit B	Add drawing no. 50-4-5170	Aug 1977
Exhibit F	Add copy of letter of acceptance dated 14 Dec 1976	Aug 1977
1-04	Delete subparagraph c. (1975).	Mar 1978
2-01	Ad subparagraph k.	Mar 1978
2-05	Revise page i. and 8a.	Mar 1978
2-06	Add environment protection	Mar 1978
Exhibit B	Add drawing no. 50-4-4898	Mar 1978
Exhibit F	Add copy of letter of acceptance dated 29 Jan 1976	Mar 1978
1-04	Add subparagraph cc.	Feb 1979
2-01	Deleted subparagraph c. (Aug 1977)	Feb 1979
2-05	Add environment protection	Feb 1979
Exhibit B	Added drawing no. 50-4-5422	Feb 1979
Exhibit F	Added acceptance letter dated 7 Dec 1977	Feb 1979
1-04	Add subparagraph dd.	Sep 1983
Exhibit B	Add drawing no. 50-4-5347	Sep 1983
Exhibit F	Add copy of letter of transfer dated 19 Jan 1981	Sep 1983
1-04	Add subparagraph ee.	Nov 1983
Section II, page 9	Add paragraph 2-05	Nov 1983
Exhibit B	Added drawing no. 50-4-5433	Nov 1983
Exhibit F	Added transfer letter dated 15 Jan 1976	Nov 1983
1-04	Add subparagraph ff.	Feb 1984
Exhibit B	Add drawing no. 50-4-4898	Feb 1984
Exhibit F	Add copy of letter of transfer dated 15 Jan 1976	Feb 1984

LOCATION	ADDITION OR REVISION	DATE
1-04	Add subparagraph gg.	Mar 1984
Exhibit B	Add drawing no. 50-4-5600	Mar 1984
Exhibit F	Add copy of letter of transfer dated 17 Nov 1983	Mar 1984
1-04	Add subparagraph hh.	Sep 1990
Exhibit B	Add drawing no. 50-4-5714	Sep 1990
Exhibit F	Add copy of letter of transfer dated 30 Nov 1987 and 22 Dec 1986	Sep 1990
1-04 ii.	Ad subparagraph ii.	Aug 1993
Exhibit B	Add drawing no. 50-4-5822	Aug 1993
Exhibit F	Add copy of letter of transfer dated 25 Jun 1993	Aug 1993
1-03	Add subparagraph d	Feb 2008
1-04	Add subparagraph kk	Feb 2008
2-04	Add subparagraph a.(5)	Feb 2008
Exhibit B	Add Plan Sheets G-1, C-1, C-2, C-3 and "Specifications for Trash Guards for Flared End Section" (5 sheets)	Feb 2008
Section 1-04	Add paragraph jj to Construction Data Section 1-04.	20 Apr 2010
Exhibit B	Add Drawing No. 50-04-6023 and description to Exhibit B.	20 Apr 2010
Exhibit F	Add transfer letter dated 3 Feb 2004.	20 Apr 2010
Exhibit F	Add copy of letter of transfer dated 20 Nov 1946	21 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 5 Dec 1946	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 2 Feb 1951	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 4 Dec 1951	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 6 Dec 1951	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 8 Dec 1951	21 Dec 2010
Exhibit F	Add copy of letter of (partial) acceptance dated 2 Apr 1952	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 4 Dec 1952	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 19 Jun 1962	21 Dec 2010
1-04	Add subparagraph ll	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 13 Nov 1968	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 16 May 1983	21 Dec 2010
1-04	Add subparagraph mm	21 Dec 2010
1-04	Add subparagraph nn	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 14 Jan 1987	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 16 Jan 1987	21 Dec 2010
1-04	Add subparagraph oo	21 Dec 2010
Exhibit B	Add drawing no. 50-04-6031	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 23 Apr 2001	21 Dec 2010
1-04	Add subparagraph pp	21 Dec 2010
Exhibit B	Add drawing nos. 50-04-6003, SA-04-157, and SA-25-161	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 27 Jan 2006	21 Dec 2010

LOCATION	ADDITION OR REVISION	DATE
Exhibit F	Add copy of letter of transfer dated 25 Aug 1964	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 14 Dec 1965	2 Feb 2011
Exhibit F	Add copy of letter of acceptance dated 9 Dec 1966	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 28 Nov 1967	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 6 Feb 1968	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 13 Nov 1968	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 30 Oct 1969	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 18 Nov 1971	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 4 Dec 1972	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 15 Jan 1973	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 18 Nov 1976	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 21 Nov 1977	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 5 Nov 1974	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 15 Jan 1976	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 4 Dec 1979	7 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 20 Dec 1979	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 19 Jan 1981	7 Mar 2011
1-04	Add subparagraph qq	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 16 Nov 1989	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 24 Nov 2010	11 May 2011

TABLE OF CONTENTS

<u>Paragraph</u>	<u>Subject</u>	<u>Page</u>
<u>SECTION I – INTRODUCTION</u>		
1-01	Location	1
1-02	Protection Provided	1
1-03	Project Works	2
1-04	Construction Data	2
1-05	Flood Flows	3
1-06	Assurances Provided by Local Interests	4
1-07	Acceptance by State Reclamation Board	4
1-08	Superintendent	4

SECTION II – FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01	Levees	5
2-02	Drainage and Irrigation Structures	5
2-03	Channels	6
2-04	Miscellaneous Facilities	8
2-05	Environment Protection	9

SECTION III – REPAIR OF DAMAGE TO PROJECT WORKS AND METHODS OF COMBATING FLOOD CONDITIONS

3-01	Repair of Damage	10
3-02	Applicable Methods of Combating Floods	10

EXHIBITS

A	Flood Control Regulations	Unattached (Contained in Standard Manual)
A-1	Location Drawing	1 Sheet
B	“As Constructed” Drawings	Detached
C	Plates of Suggested Flood Fighting Methods	See Standard Manual
D	Check List No. 1 – Levee Inspection Report	See Standard Manual
E	Check Lists of Levees Channel and Structures	7 Sheets
F	Letters of Acceptance by State Reclamation Board	
G	Suggested Semi-Annual Report Form	2 Sheets

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AND
EAST LEVEE OF YOLO BYPASS FROM
SACRAMENTO BYPASS TO SOUTH BOUNDARY OF RECL. DIST. 900

SECTION I

INTRODUCTION

1-01. Location. The improvement covered by this manual is that part of the Sacramento River Flood Control Project which includes the west levee of the Sacramento River from the Sacramento Weir to the dredge out at river mile 51.2; the south levee of the Sacramento Bypass; and the east levee of Yolo Bypass from the Sacramento Bypass to the south boundary of Reclamation District No. 900. The Sacramento Bypass and Yolo Bypass are leveed floodways which convey excess flood waters from the Sacramento River.

The levees of this unit are located in Reclamation Districts No. 537, 811, 900 and Washington Levee District in Yolo County, California and in the general vicinity of the towns of Broderick, Bryte and West Sacramento. The location of the completed unit covered by this manual is shown on Exhibit A-1. This manual covers and supersedes the supplemental manual issued by this office which was designated as Unit No. 9 of the Sacramento River Flood Control Project, West Levee of the Sacramento River at Bryte Bend.

1-02. Protection Provided. The Sacramento River, Sacramento Bypass and Yolo Bypass are essential features of the Sacramento River Flood Control Project. The primary function of the Sacramento Bypass and Yolo Bypass is to divert excessive overflow waters of the Sacramento River. The levees of this unit provide direct protection to agricultural lands and the towns of Broderick, Bryte and West Sacramento against flood waters in the Sacramento River, Sacramento Bypass and Yolo Bypass. Along The Sacramento River the grade of the adopted flood plane profile varies from elevation 34.5 at the Sacramento Weir to elevation 31.7 at mile 51.2.

Along the Sacramento Bypass the grade of the adopted flood plane varies from elevation 34.5 at the Sacramento Weir to elevation 29.4 at junction of Sacramento and Yolo Bypasses. Along Yolo Bypass the grade of the adopted flood plane profile varies from elevation 29.4 at Sacramento Bypass to elevation 26.4 at the south boundary of Reclamation District No. 900. (All elevations are referred to U.S. Corps of Engineers datum). The levee project grade along the Sacramento River within this unit provides a freeboard which equals or exceeds 3 feet. The levee project grade along the Sacramento Bypass and Yolo Bypass provides a freeboard which equals or exceeds 6 feet. The project design capacity of the Sacramento River within this unit is 110,000 cubic feet per second; the Sacramento Bypass is 112,000 cubic feet per second; and in the Yolo Bypass it is the 480,000 cubic feet per second.

1-03. Project Works. The flood control improvement covered by this manual is a part of the Sacramento River Flood Control Project authorized by the Flood Control Act of 1917 as modified by the Acts of 1928, 1937, and 1941, and consists of:

a. The west levee of the Sacramento River from the Sacramento Weir downstream about 10.5 miles to the design out at river mile 51.2. This reach of levee was built by local interests and prepared by the Corps of Engineers by bank protection works, levee set-backs and levee enlargements at various locations.

b. The south levee of the Sacramento Bypass from the Sacramento Weir to junction with the east levee of Yolo Bypass as constructed by local interests.

c. The east levee of Yolo Bypass from the Sacramento Bypass to the south boundary of Reclamation District No. 900 as constructed by local interests and enlarged to adopted grade and section by the Corps of Engineers.

d. A seepage berm, 80 foot wide by 200 foot long, on the right bank levee of the Sacramento River at river mile 54.2.

1-04. Construction Data. Unit No. 116 of the flood control works described in this manual forms an integral part of the Sacramento River Flood Control Project. In addition to various emergency repair works, construction required to bring levees built by local interests to project standards was accomplished under the following contracts:

a. Levee setback on Sacramento River at lower end of Chicory Bond, mile 54.0 R, was constructed under Job Order No. 267 and completed in December 1937.

b. Levee setback, standard mattress and both paving on Sacramento River at Van Tassel's, mile 57.3 R, was constructed under Job Order No. 422 and completed on 1 December 1938.

c. Bank protection on the Sacramento River at Van Tassel's Mile 57.0 R, was constructed under Job Order No. 548 and completed on 10 November 1939.

d. Bank protection and levee setback on the Sacramento River at lower end of Chicory Bend, mile 53.8 R, was constructed under Job Order No. 549 and completed on 26 December 1939.

e. Bank protection on the Sacramento River at Claybank Bend, mile 52.4 R, was constructed under Contract No. 636 and completed on 31 October 1940.

f. West levee of the Sacramento River at Bryte Bend was re-constructed under Contract No. W-04-167-eng-1145 by A Teichert and Sons, Inc., contractor. Work on this part was started on 21 May 1946 and completed on 5 March 1947.

g. The crown of the west levee of the Sacramento River from the Sacramento River to "I" Street Bridge in two places was surfaced for patrol road purposes under Contract No. DA-04-167-eng-828 by Browne and Krull, contractors, and completed on 2 December 1952.

h. The south levee of Sacramento Bypass was constructed by local interests and data is not available.

i. Enlargement of the east levee of Yolo Bypass, Sacramento Bypass to the S.P.R.R. was accomplished under Contract No. W-1105-eng-2940 by George E. France, contractor, and completed on 13 October 1941.

j. enlargement of the east levee of Yolo Bypass from S.P.R.R. to the Yolo Causeway was accomplished under Contract No. W-1105-eng-892 by J. C. North & A. F. Giddings, contractors, and completed on 17 March 1932.

k. The east levee of Yolo Bypass from the Yolo Causeway downstream about 0.3 miles was reconstructed under Contract No. W-1105-eng-2927 by Frederickson & Westbrook, contractors, and completed on 30 November 1940.

l. Enlargement of the east levee of Yolo Bypass from the Yolo Causeway south to the south boundary of Reclamation District No. 900 was accomplished under Contract No. W-1105-eng-1294 by Olympian Dredge Co., contractor, and completed on 14 November 1934.

m. Emergency levee repairs on the right bank of the Sacramento River at Chicory Bend, Mile 55.0 was accomplished under Contract No. DA-04-167-CIVENG-57-29 by Claude L. Youngs during the period from 10 August 1956 to 28 September 1956, Specification No. 2186, Drawing No. 50-4-3280.

n. Emergency levee repairs – east levee of Yolo Bypass was accomplished under Contract No. DA-04-167-CIVENG-57-29 by Lee Stephens during the period from 3 October 1956 to 31 December 1956, Specification No. 2235, Drawing No. 50-4-3298 and 50-4-3313.

o. Stone protection along the Yolo Bypass was accomplished under Contract No. DA-04-167-CIVENG-64-74 by the Chandler-Newman Construction Company during the period from 14 April 1964 to 12 August 1964, Specification No. 2917, Drawing No. 50-4-3735.

p. Levee enlargement and patrol road on the right bank of the Sacramento River (Item 101-4) was accomplished under Contract No. DA-04-167-CIVENG-62-63 by Bernardo & Bernardo Construction Company during the period from 26 April 1962 to 15 June 1962, Specification No. 2817, Drawing No. 50-4-3702.

q. Emergency levee repairs on the east levee of Yolo Bypass was accomplished under Contract No. DA-04-167-CIVENG-65-137 by Homer Fling, Contractor, during the period from 22 June 1965 to 13 August 1965, Specification No. 3234, Drawing No. 50-4-4079.

r. Bank protection on the right bank of the Sacramento River (Site Mile 52.3) was accomplished under Contract No. DA-04-167-CIVENG-66-15 by Elmer G. Wendt, Inc. during the period from 9 August 1965 to 1 December 1965, Specification No. 3058, Drawing No. 50-4-3848 (Unit No. 6)

s. Bank protection on the east levee of Yolo By-pass was accomplished under Contract No. DA-04-167-CIVENG-66-134 by G. & T. Construction Company during the period from 10 June 1966 to 4 November 1966. Specification No. 3330, Drawing No. 50-4-4214.

t. Bank protection east levee of Yolo Bypass was accomplished by Spike Voudouris under Contract No. DACW05-67-C-0082 during the period from 24 May 1967 to 30 November 1967, Specification No. 3418, Drawing No. 50-4-4348.

u. Stone protection at various sites along the Sacramento River between Sacramento and Rio Vista (Unit No. 11) was accomplished under Contract No. DACW05-67-0027 by Basalt Rock Company, Inc. during the period from 7 November 1966 to 29 February 1968. Specification No. 3157, Drawing No. 50-4-4047.

v. Stone protection on the right bank of the Sacramento River at Site Mile 53.3 was accomplished under Contract No. DACW05-69-C-0064 by James L. Ferry & Son during the period from 26 May 1969 to 20 October 1969. Specification No. 3649, Drawing No. 50-4-4476,

w. Stone protection on the right bank of the Sacramento River at Site Mile 62.25 (a portion of Unit No. 13, Sacramento River Bank Protection project) was accomplished under Contract No. DACW05-68-C-0067 by H. Earl Parker during the period from 17 April 1968 to 29 August 1969. Specification No. 3369, Drawing No. 50-4-4179.

x. Bank sloping and stone protection on the right bank of the Sacramento River at Site Mile 51.3 (a portion of Unit No. 19, Sacramento River Bank Protection Project) was accomplished under Contract No. DACW05-71-C-0021 by James L. Ferry and Son during the period from 26 August 1970 to 20 December 1971. Specification No. 3427, Drawing No. 50-4-4378.

y. Stone protection, selective clearing, and levee bank sloping on the right bank of the Sacramento River at Site Miles 51.7 and 53.3 (a portion of Unit No. 21, Sacramento River Bank Protection Project) was accomplished under Contract No. DACW05-72-C-0046 by Eugene Luhr and Company during the period from 31 January 1972 to 5 January 1973. Specification No. 3680, Drawing No. 50-4-4487.

z. Bank protection and selective clearing on the right bank of the Sacramento River at Site Mile 54.5 (Unit No. 23) was accomplished under Contract No. DACW05-73-C-0012 by James L. Ferry and Son during the period from 1 August 1972 to 10 July 1974. Specification No. 4041, Drawing No. 50-4-4687.

aa. Bank protection and selective clearing on the right bank of the Sacramento River at Site Mile 62.5 and 62.9 (Unit No. 24) was accomplished under Contract No. DACW05-73-C-0038 by Claude C. Wood during the period from 11 October 1972 to 6 January 1975. Specification No. 4169, Drawing No. 50-4-4713.

bb. Bank protection and selective clearing on the east levee of the Yolo Bypass, 0.5 mile upstream from Interstate 80 was accomplished under Contract No. DACW05-76-C-0105 by Carl J. Woods during the period from 11 October 1976 to 24 December 1976, Specification No. 5133, Drawing No. 50-4-5170.

cc. Bank protection repair and extension and selective clearing on the east levee of the Yolo Bypass, downstream from Interstate 80 was accomplished under Contract No. DACW05-77-C-0094 by Claude C. Wood Company during the period from 12 September 1977 to 11 November 1977, Specification no. 5383, Drawing No. 50-4-5422.

dd. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Mile 56.9 (a portion of Unit 33) was accomplished under Contract No. DACW05-77-C-0101 by Dutra Construction Company, Inc. Construction was completed on 12 October 1980, Specification No. 5269, Drawing No. 50-4-5347.

ee. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Mile 62.7 (a portion of Unit 34) was accomplished under Contract No. DACW05-78-C-0046 by Claude C. Wood. Construction was completed on 7 November 1979. Specification No. 5403, Drawing No. 50-4-5433.

ff. Bank sloping, stone protection and selective clearing on the bank of the Sacramento River at Site Miles 51.6, 56.0, and 57.1, (a portion of Unit 28) was accomplished under Contract No. DACW05-76-C-0015, Specification No. 4558, Drawing No. 50-4-4898. Work was completed 14 Jan 1976.

gg. Emergency repairs to project levees on the Yolo Bypass left bank levee – Reclamation District 900, was accomplished under Contract No. DACW05-83-C-0149 by Gabe Mendez. Specification No. 6888, Drawing No. 50-4-5600. Work completed 5 November 1983.

hh. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Mile 62.2 (a portion of Unit 38B) was accomplished under Contract No. DACW05-86-C-0079. Specification No. 7082, Drawing No. 50-4-5714. Work completed on 15 November 1987.

ii. Construction of approximately 5.35 miles of earth fill bench with a chimney drain on the landside slope of the Reclamation District 900 levee between levee mile 2.06 and 7.72. This was accomplished under Contract No. DACW05-91-C-0012, Specification No. 8847, and Drawing No. 50-4-5822. Work Completed 30 March 1993.

jj. Levee Repairs along the left bank of the Sacramento Bypass from Station 240+50 through Station 296+00. Repairs include a Slurry Wall (waterside), Seepage Berm with Toe Drain, and a Stability Berm. Construction was accomplished under Contract No. DACW05-99-C-0085, Specification No. 9857, Drawing No. 50-04-6023. Work completed in October 2002.

kk. Seepage berm on the right bank of the Sacramento River from coordinates 38.525444°N, -121.5304722°W to 38.5248611°N, -121.529888°W (NAD 83) of Unit No. 116. The project was completed under Contract No. W91238-06-D-0029 by DD-M Crane and Rigging and under the general authority of the Flood and Coastal Storm Emergencies act, Public Law 84-99. Drawings are entitled, “PL 84-99 Levee Rehabilitation Repairs, CY2007 Order 3-5 Sites, Reclamation District 900, Yolo County, California”, (As-Builts: Sheets 1-4) and “Trash Guards for Flared End Sections”, (1 sheet).

ll. Emergency repairs consisting of a 600 foot long by 40 foot wide by 4 feet thick landside berm along the left bank of the Yolo Bypass was completed on 18 March 1983 under Contract No. DACW05-83-C-0059.

mm. Emergency repairs to project levees consisting of restoration of portions of the left bank of Yolo Bypass in Reclamation Districts 537, 785, 827 and 1600, right bank of the Sacramento Bypass, and right bank of the Sacramento River in RD 1600 was completed on 17 November 1986 under Contract No. DACW05-86-C-0113. Drawing No. 50-4-5776.

nn. Emergency repairs to the Sacramento River Weir were completed on 3 November 1986 under Contract No. DACW05-86-C-0116.

oo. Emergency repairs on the east levee of the Yolo Bypass from the Sacramento Bypass to the south boundary of RD 900 and along the west levee of the Sacramento River from the Sacramento Weir to Sacramento River Mile 51.2, in RD 900 was

completed by Ford Construction on 11 October 1997 under Contract No. DACW05-97-C-0128. Specification No. 9858E, Drawing No. 50-04-6031.

pp. Levee reconstruction, slump repair and drainage ditch work in Unit No. 116 was completed in November 1998 under Contract No. DACW05-98-C-0043, Specification No. 9736, Drawing No. 50-04-6003 (Contract 4A); in October 2004, under Contract No. DACW05-02-C-0021 (drainage ditch) and DACW05-03-C-0012 (levee slump repair), Specification No. 1392 and Drawing No. SA-04-157 (Contract 4B); on 29 October 2004 under Contract No. W91238-04-C-0026, Specification No. 1392, Drawing No. SA-25-161 (Contract 4C).

qq. Bank sloping and stone protection on the right bank of the Sacramento River, Site Miles 56.5 and 56.7 was completed on 8 November 1989 under Contract No. DACW05-89-C-0037. Specification No. 8259, Drawing No. 50-4-5784.

1-05. Flood Flows. For purposes of this manual, the term “floods” or “high water period” shall refer to flows when the water surface in the Sacramento River reaches or exceeds the reading of 29.0 on the continuous water stage recorder and staff gage located on the right bank of the Sacramento River 100 feet downstream from the Sacramento Weir. Also when the water surface in the Sacramento River reaches or exceeds a reading of 25.0 on the U.S. Weather Bureau and Division of Water Resources continuous water stage recorder and staff gage located on the left bank of the Sacramento River at the foot of “I” Street in the city of Sacramento. Also when the water surface in Yolo Bypass reaches or exceeds a reading of 22.0 on the Division of Water Resources continuous water stage recorder and staff gage located at the intersection of the east levee of Yolo Bypass and the north levee of the Sacramento Bypass. All gages are set on the U.S. Corps of Engineers’ datum with exception of “I” Street gage which is set at elevation 3.10 U.S. Corps of Engineers’ datum and 0.03 U.S.G.S. datum.

1-06. Assurances Provided by Local Interests. Assurances of cooperation by local interests is provided by State legislation as contained in Chapter 3, Part 2, Division 5 of the State Water code (see paragraph 2-02a of the Standard Manual).

1-07. Acceptance by State Reclamation Board. Responsibility for operating and maintaining the completed works was officially accepted by the Reclamation Board of the State of California on 18 December 1951 and 16 January 1952, as shows on the attached letters of acceptance, Exhibit F.

1-08. Superintendent. The name and address of the Superintendent appointed by local interests to be responsible for the continuous inspection, operation, and maintenance of the project works shall be furnished the District Engineer, and in case of any change of superintendent, the District Engineer shall be so notified.

c. Environmental values. Vegetation preserved as a part of selective clearing on the waterside berm or levee slope above the bank protection during prosecution of the contract shall not be removed as a part of normal maintenance. Dead trees with wildlife value will be retained except where they constitute a hazard to existing flood control works.

SECTION II

FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01. Levees.

a. Description. The levees described in this manual are located along the westerly side (right bank) of the Sacramento River from Sacramento Weir to a dredge cut at mile 51.2; along the south side of the Sacramento Bypass; and along the easterly side of the Yolo Bypass from the Sacramento Bypass to the south boundary of Reclamation District No. 900. All levees of this unit were originally built by local interests and portions have been rebuilt by the Corps of Engineers to project grade and section by enlargement, levee setback and bank protection at various locations. For more complete detail of items of reconstruction of above mentioned levees, refer to the "As Constructed" drawings of Exhibit B. Structures affecting levee maintenance are listed in Exhibit E.

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 4-02 of the Standard Manual.
- (2) Check Lists - Exhibit E of this Supplement Manual.
- (3) Operation - paragraph 4-04 of the Standard Manual.
- (4) Special Instructions - paragraph 4-05 of the Standard Manual.

C. 2-02. Drainage and Irrigation Structures.

a. Description. Drainage and irrigation structures which extend through the levees are listed as follows:

River Mileage	Size and Kind of Pipe	Other Structure Description	Elv. of Invert at Pipe
<u>West Levee of Sacramento River</u>			
62.74	6" cast iron		
62.59	18" cast iron	Pumphouse R.S.	29.1
62.50	24" steel	Pump R.S., Gate Valve R.S. Surge Chamber L.S. (Sta. 31+80)	20.0
60.85	8" steel	Pumphouse R.S., Concrete distribution box L.S.	38.1
60.55	12" steel		
59.65	10" steel		
57.00	12"	Also 1-3" and 2-7" pipes	

River	Size and		Elev. of Invert
Mileage	Kind of Pipe	Other Structure Description	at Pipe

West Levee of Sacramento River (Cont'd)

56.71	16"	Gate Valve L.S.
56.08	12"	Screw Gate L.S.
55.65	24"	Screw Gate L.S.
52.00	8"	Gate Valve R.S.
51.82	2-1/2" Steel	Domestic Water Supply Pipe

South Levee Sacramento By-pass

30"	R.D. 537 Drainage Pumping Plant L.S., Screwgate in concrete well R.S.
-----	--

East Levee of Yolo By-pass Station

3+90	14'x27' concr. box	
3+90	36" C.M.P.	Slide Gate R.S.
140+00"N"	2-48"	R.D. No. 900 Pumping Plant

NOTES on Abbreviations:

R.S. = Riverside
L.S. = Landside
C.M.P. = Corrugated Metal Pipe

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 5-02 of the Standard Manual.
- (2) Check Lists - Exhibit E of this Supplement Manual.
- (3) Operation - paragraph 5-04 of the Standard Manual.
- (4) Additional Requirements - paragraph 5-05 of the Standard Manual.
- (5) Safety Requirements - paragraph 5-06 of the Standard Manual.

2-03. Channels.

a. Description. The main channel of the Sacramento River from the Sacramento Weir to mile 51.2 is a navigable stream with a controlling depth of 10 feet upstream to the City of Sacramento and a depth of 6 feet above the City of Sacramento to the Sacramento Weir. This portion of the main channel of the Sacramento River is confined

between levees along both banks and has a project design capacity of 110,000 cubic feet per second. When flood discharge exceeds the carrying capacity of the Sacramento River, flood water is discharged into the Sacramento By-pass through movable gates at the Sacramento Weir, which in turn, is discharged into the Yolo By-pass.

Sacramento By-pass is a leveed overflow channel about 1,800 feet wide that carries excess flood waters of the Sacramento River to the Yolo By-pass. The project design capacity of the Sacramento By-pass is 112,000 cubic feet per second. Levees along both banks are lined with a concrete blanket on the riverside slopes.

The Yolo By-pass within this unit from Sacramento By-pass to the south boundary of Reclamation District No. 900 is a leveed floodway about 3 miles wide that is used during flood periods to carry excess flood water of the Sacramento River system. A large portion of the overflow area between levees of the Yolo By-pass is used for production of seasonal crops. The project design capacity of the Yolo By-pass in this reach is 480,000 cubic feet per second and the levee grade has been constructed to provide a freeboard of 6 feet above the adopted flood plane.

Since the channel of the Sacramento River from Sacramento Weir downstream to mile 51.2 is utilized for navigable purposes, the responsibility of local interests for inspection, maintenance and operation of the channel of the Sacramento River shall be limited to flood control and the requirements as listed below shall be observed only to that extent.

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 6-02 of the Standard Manual.
- (2) Check Lists - Exhibit E of this Supplement Manual.
- (3) Operation - paragraph 6-04 of the Standard Manual.
- (4) Safety Requirements - paragraph 6-05 of the Standard Manual.

It shall be the duty of the Superintendent to maintain a patrol of the project works during all periods of flood in excess of a reading of 29.0 on the gage at Sacramento Weir, 25.0 at "I" Street Bridge or 22.0 on the gage at the west end of the north levee of Sacramento By-pass as indicated in paragraph 1-05 of this manual. The Superintendent shall dispatch a message by the most suitable means to the District Engineer whenever the water surfaces reaches the gage readings indicated above. The Superintendent shall cause readings to

be taken at said gages at intervals of 2 to 4 hours during the period when the water surface is above the flood-flow stages indicated above and record the time of the observations. One copy of the readings shall be forwarded to the District Engineer immediately following the flood, and a second copy transmitted as an inclosure to the semi-annual report in compliance with paragraph 3-06 of the Standard Manual.

2-04. Miscellaneous Facilities.

a. Description. Miscellaneous structures or facilities which were constructed as a part of, or existed in conjunction with the protective works, and which might affect their functioning, include the following:

(1) Bridges.

- (a) A swing span bridge across the Sacramento River at "I" Street which carries highway traffic and the S.P.R.R. tracks.
- (b) The Tower Bridge across the Sacramento River at Capitol Avenue. A lift span which carries U.S. Highway No. 40 and No. 99 E and tracks of the Sacramento Northern Railway.
- (c) Bridge across the Sacramento Weir which carries highway traffic and tracks of the Sacramento Northern Railway.
- (d) Trestle of the S.P.R.R. across Yolo By-pass at station 176+00 as shown on Drawing No. 50-4-1305-1 of Exhibit B.
- (e) Causeway at station 228+00 as shown on Drawing No. 50-4-1305-1 of Exhibit B which carries traffic of Highway No. 40 and 99 E.

(2) Utility Relocations. Because of the nature of the construction of the levees by local interests, no records of any utility relocations are available.

(3) Wharfs and Waterfront Installations.

- (a) Marine ways of the River Lines Co. located just downstream from the "I" Street Bridge on riverbank of the Sacramento River.
- (b) Wharfs located along the west levee of the Sacramento River downstream from the Tower Bridge for a distance of about one mile. A

large dredge spoil area lies back of the levee in this area which is filled to about the height of the top of the levee.

(4) Hydrographic Facilities. Provisions have been made at several locations within this unit for hydrographic facilities which are listed as follows:

- (a) A continuous water stage recorder and staff gage located on the right bank of the Sacramento River 100 feet downstream from the Sacramento Weir. Maintenance of this gage is a responsibility of the State of California.
- (b) A U.S. Weather Bureau and Division of Water Resources station located on the left bank of the Sacramento River at the foot of "I" Street. Maintenance of this station is a responsibility of the U.S. Weather Bureau and the State of California.
- (c) Division of Water Resources station at the intersection of the east levee of Yolo By-pass and the north levee of the Sacramento Bypass. Maintenance of this station is a responsibility of the State of California.

(5) Seepage Berm. An 80 foot wide, 200 foot long seepage berm was constructed approximately 1200 feet south of Davis Road on South River Road at the landside toe of the levee. The berm includes a 36 inch diameter pipe that conveys drainage to an existing ditch at either ends of the berm. Each end of the pipe is fitted with steel trash guards and protected with rock riprap. The seepage berm consists of drain rock encapsulated in geotextile fabric topped with a 12 inch layer of compacted levee fill. The height of the berm varies from 6 foot at the levee slope to 4 foot at the exterior edge. Reference sheet C-3 in Exhibit B for additional information. For maintenance of the seepage berm, see paragraph 4-02 of the Standard Manual.

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance – paragraph 7-02 of the Standard Manual.
- (2) Check Lists – paragraph 7-03 of the Standard Manual.
- (3) Operation – paragraph 7-04 of the Standard Manual.

2-05. Environmental Protections. *

a. Vegetation left during construction on the waterside berm or slope above the bank protection shall not be removed under normal maintenance. Dead trees with wildlife value will be retained except where they are a hazard to existing flood control works.

SECTION III

REPAIR OF DAMAGE TO PROJECT WORKS AND METHODS OF COMBATING FLOOD CONDITIONS

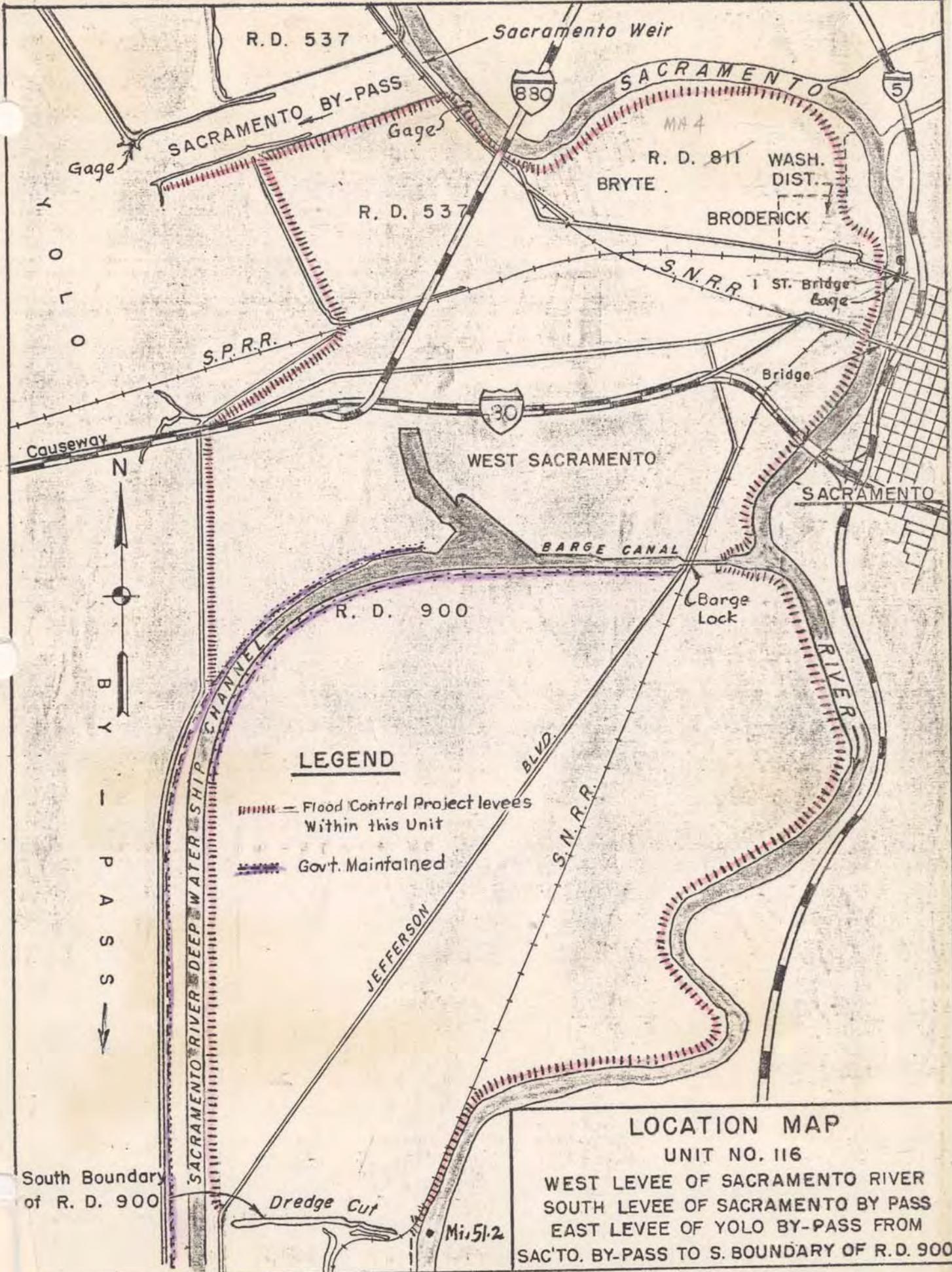
3-01. Repair of Damage. In the event of serious damage to the project works, whether due to flood conditions or other causes, and which may be beyond the capability of local interests to repair, the Superintendent will contact a representative of the Division of Water Resources, State of California, who coordinates maintenance of project works of the Sacramento River Flood Control Project. The State representative will give assistance, or advice, or will determine appropriate action to be taken.

3-02. Applicable Methods of Combating Floods. For applicable methods of combating flood conditions, reference is made to Section VIII of the Revised Standard Manual, where the subject is fully covered.

EXHIBIT "A"

FLOOD CONTROL REGULATIONS

(See Standard Manual.)



LEGEND

-  Flood Control Project levees Within this Unit
-  Govt. Maintained

LOCATION MAP

UNIT NO. 116
 WEST LEVEL OF SACRAMENTO RIVER
 SOUTH LEVEL OF SACRAMENTO BY PASS
 EAST LEVEL OF YOLO BY-PASS FROM
 SAC'TO. BY-PASS TO S. BOUNDARY OF R.D. 900

EXHIBIT "B"

"AS CONSTRUCTED"

DRAWINGS

(See separate folder for the following drawings)

<u>FILE NO.</u>	<u>TITLE</u>
6-13-573	Sacramento River from Sacramento to Vernon, Sheets 9 and 10.
6-13-1100	Sacramento River from Sacramento to Collinsville, Sheets 1, 2, 3 and 4.
50-4-1897	Enlargement of East Levee of Yolo By-pass from Sacramento By-pass to S.P.R.R., Sheets 1 and 2.
50-4-1305-1	Enlargement of East Levee of Yolo By-pass along Reclamation District No. 900, 1 Sheet.
50-4-1886	Levee Construction of East Levee of Yolo By-pass South of Causeway 0.3 miles, 1 Sheet.
50-4-1378-2	Enlargement of East Levee of Yolo By-pass from Causeway South to Miner Slough, Sheet No. 1.
Additional drawings of cross-sections, structures, and miscellaneous facilities are available in the Office of the District Engineer.	
50-4-3280	Emergency levee repairs, right bank Sacramento River at Chicory Bend, Mile 55.0, in 2 sheets
50-4-3298	Emergency levee repairs, east levee Yolo Bypass, R.D. 900, in 2 sheets
50-4-3313	Emergency levee repairs - east levee Yolo Bypass, R. D. 900, in 1 sheet
50-4-3735	Bypass Levee Revetment - Sutter and Yolo Bypasses, in 8 sheets.
50-4-3702	Levee Rehabilitation and Patrol Roads, Vicinity of Sacramento, California, in 3 sheets.
50-4-3848	Bank Protection Right and Left Banks Sacramento River, Various Locations Between Sacramento and Isleton, in 32 sheets (Unit No. 6).
50-4-4214	Emergency Levee Repairs, East Levee Yolo Bypass, State Highway 24 to Southern Pacific Railroad, in 1 sheet.
50-4-4214	By-pass Levee Revetment, East Levee Yolo By-pass, 2.2 to 3.3 miles upstream from Sacramento By-pass and Sacramento By-pass downstream to S.P.R.R., in 8 sheets.

- 50-4-4348 Bypass Levee revetment East and West Levees Yolo Bypass, in 7 sheets.
- 50-4-4047 Bank Protection Right and Left Banks Sacramento River Various Sites Between Sacramento and Rio Vista, in 27 sheets.
- 50-4-4476 Bank Protection, Critical Locations, Right and Left Banks, Sacramento River, Mile 12.4 Left to Mile 53.3 Right, in 12 sheets.
- 50-4-4179 Bank Protection, Various Locations, Right and Left Banks, Sacramento River and Elder Creek, in 20 sheets.
- 50-4-4378 Bank Protection, Various Locations, Left Bank, Sacramento River between mile 24.7 and 53.7, in 23 sheets
- 50-4-4487 Bank Protection, Various Locations, Right and Left Banks, Sacramento River from mile 53.3 to Rio Vista, in 24 sheets.
- 50-4-4687 Bank Protection, Various Locations Right and Left Banks, Sacramento River Mile 55.0 to Mile 16.0, in 28 sheets.
- 50-4-4713 Bank Protection, Various Locations Right and Left Banks, Sacramento River Mile 60.0 to Mile 111.0, in 20 sheets.
- 50-4-5170 Bank Protection, Bypass Levee Revetment East Levee, Yolo Bypass, in 3 sheets.
- 50-4-5422 Bypass Levee Revetment Left Levee, Yolo Bypass, Right Levee Sutter Bypass, in 5 sheets.
- 50-4-5433 Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 61.0 to Mile 102.0, in 33 sheets.
- 50-4-5347 Bank Protection, Various Locations, Right and Left Banks, Sacramento river Mile 15.0 to Mile 60.0, in 33 sheets.
- 50-4-4898 Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 12.0 to Mile 58.0, in 44 sheets.
- 50-4-5600 Emergency Levee Repairs, East Levee Yolo By-Pass R. D. 900, in 1 sheet. Nov 1989.
- 50-4-5822 Sacramento Urban Area Levee Reconstruction Project, West Sacramento/Mitigation Area Site Preparation in 37 sheets.
- 50-4-5714 Bank Protection, Various locations, Right and Left Banks, Sacramento River Mile 62.6 to Mile 117.7, in 57 sheets.

- 50-04-6023 Levee Repair, Sacramento River Basin RD 537, West Sacramento Project Levee Reconstruction Contract B, in 8 sheets.
- 50-04-6031 PL 84-99 – Phase III Emergency Levee Restoration Sacramento River and Yolo Bypass RD's 900, 765 and 999 Yolo County California in 4 sheets.
- 50-04-6003 West Sacramento Project Levee Reconstruction Contract A January, 1998, in 36 sheets.
- SA-04-167 West Sacramento Project Drainage Ditch and Levee Slump Repair Remaining Work, in 12 sheets.
- SA-25-161 West Sacramento Project Levee Slump Repair 2, in 11 sheets.
- 50-4-2275 Proposed Levee Construction, West Levee, Sacramento River at Bryte's Bend, in 2 sheets.
- None Construct seepage berm on right bank levee of the Sacramento River. Drawings titled, "PL 84-99 Levee Rehabilitation Repairs CY2007 Orders 3 – 5 Sites, Reclamation District 900, Yolo County, California" in 5 sheets.

EXHIBIT "C"

PLATES OF SUGGESTED FLOOD FIGHTING METHODS

(See Standard Manual)

EXHIBIT "D"

CHECK LIST NO. 1
LEVEE INSPECTION REPORT

(See Standard Manual).

EXHIBIT "E"

CHECK LISTS OF LEVEES
CHANNEL AND STRUCTURES

For definition of "flood" or "high water
period" see paragraph 1-05 of this manual.

CHECK LIST NO. 2
UNIT NO. 116

Inspectors Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

Item	Remarks
(a) Location by Station	
(b) Settlement, sloughing, or loss of grade	
(c) Erosion of back slope	
(d) Condition of roadways, including ramps	
(e) Evidence of seepage	
(f) Condition of farm gates and fencing	
(g) Maintenance measures taken since last inspection	
(h) Comments	

INSTRUCTIONS FOR COMPLETING SHEET 2, EXHIBIT E
(To be printed on back of sheet 2)

- Item (a) Indicate levee station of observation, obtained by pacing from nearest reference point; indicate right or left bank.
- Item (b) If sufficient settlement of earthwork has taken place to be noticeable by visual observation, indicate amount of settlement in tenths of a foot. If sloughing has caused a change in slope of the embankment sections, determine the new slope. Note areas where erosion or gullyng of the section has occurred.
- Item (c) If sufficient erosion or gullyng of back face of back toe of levee has taken place to be noticeable by visual inspection, indicate area affected and depth.
- Item (d) Note any natural change in any section of roadway or ramps. Indicate any inadequacy in surface drainage system.
- Item (e) Indicate any evidence of seepage through the embankment section.
- Item (f) Indicate the serviceability of all farm gates across the embankments and roadway, and indicate if repainting is required.
- Item (g) Indicate maintenance measures that have been performed since last inspection and their condition at the time of this inspection.
- Item (h) Record opinion, if any, of contributory causes for conditions observed and also any observations not covered under other columns.

NOTE: One copy of the Inspector's Report is to be mailed to the District Engineer immediately on completion, and one copy is to be attached to and submitted with the Superintendent's semi-annual report.

INSTRUCTIONS FOR COMPLETING SHEET 2, EXHIBIT E
(To be printed on back of sheet 2)

- Item (a) Indicate levee station of observation, obtained by pacing from nearest reference point; indicate right or left bank.
- Item (b) If sufficient settlement of earthwork has taken place to be noticeable by visual observation, indicate amount of settlement in tenths of a foot. If sloughing has caused a change in slope of the embankment sections, determine the new slope. Note areas where erosion or gullying of the section has occurred.
- Item (c) If sufficient erosion or gullying of back face of back toe of levee has taken place to be noticeable by visual inspection, indicate area affected and depth.
- Item (d) Note any natural change in any section of roadway or ramps. Indicate any inadequacy in surface drainage system.
- Item (e) Indicate any evidence of seepage through the embankment section.
- Item (f) Indicate the serviceability of all farm gates across the embankments and roadway, and indicate if repainting is required.
- Item (g) Indicate maintenance measures that have been performed since last inspection and their condition at the time of this inspection.
- Item (h) Record opinion, if any, of contributory causes for conditions observed and also any observations not covered under other columns.

NOTE: One copy of the Inspector's Report is to be mailed to the District Engineer immediately on completion, and one copy is to be attached to and submitted with the Superintendent's semi-annual report.

CHECK LIST NO. 3

CHANNEL AND RIGHT-OF-WAY
UNIT NO. 116

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

Item	Remarks
(a) Name of channel and location by stations	
(b) Vegetal growth in channel	
(c) Debris and refuse in channel	
(d) New construction within right-of-way	
(e) Extent of aggradation or degradation	
(f) Condition of riprapped section	
(g) Condition of bridges	
(h) Measures taken since last inspection	
(i) Comments	

INSTRUCTIONS FOR COMPLETING SHEET 4, EXHIBIT E
(To be printed on back of sheet 4)

- Item (a) Indicate station of observation obtained by pacing from nearest reference point.
- Item (b) Note nature, extent, and size of vegetal growth within the limits of flood flow channel.
- Item (c) Note nature and extent of debris and refuse that might cause clogging of the conduits of the irrigation intake works, fouling of the tainter gates, or the bridges over the channel.
- Item (d) Report any construction along the diversion channel or above the diversion channel or above the diversion works that has come to the attention of the inspector and that might affect the functioning of the project.
- Item (e) Indicate any change in grade or alignment of the channels, either by deposition or sediment or scour, that is noticeable by visual inspection. Estimate amount and extent.
- Item (f) Indicate any change that has taken place in the riprap such as disintegration of the rock, erosion, or movement of the rock. Note the presence of vegetal growth through the riprap.
- Item (g) Note any damage or settlement of the footings of the bridges. Indicate condition of wooden structures and if repainting is required. Indicate condition of bridge approaches, headwalls, and other appurtenances.
- Item (h) Indicate maintenance measures that have been performed since the last inspection and their condition at time of this inspection.
- Item (i) Record opinion, if any, of contributory causes for conditions observed, also any observations not covered under other columns.

NOTE: One copy of the Inspector's Report is to be mailed to the District Engineer immediately on completion, and one copy is to be attached to and submitted with the Superintendent's semi-annual report.

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 116

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

(a) River Mileage	(b) Bank Location by Station	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures Taken Since last Inspection	(h) Comments
<u>West Levee of Sacramento River</u>							
62.74	Right						
62.59	"						
62.50	"						
60.85	"						
60.55	"						
59.65	"						
57.00	"						
56.71	"						
56.08	"						
55.65	"						
52.00	"						
51.82	"						
<u>South Levee of Sacramento By-Pass</u>							
1.25	Left						
<u>East Levee of Yolo By-pass</u>							
<u>Station</u>							
3+90	Left						
140+00	"						

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 116

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

(a) River Mileage	(b) Location by Station	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures Taken Since last Inspection	(h) Comments
<u>West Levee of Sacramento River</u>							
62.74	Right						
62.59	"						
62.50	"						
60.85	"						
60.55	"						
59.65	"						
57.00	"						
56.71	"						
56.08	"						
55.65	"						
52.00	"						
51.82	"						
<u>South Levee of Sacramento By-Pass</u>							
1.25	Left						
<u>East Levee of Yolo By-pass</u>							
Station							
3+90	Left						
140+00	"						

INSTRUCTIONS FOR COMPLETING SHEET 6, EXHIBIT E
(To be printed on back of sheet 6)

- (1) Enter Station of all structures under Column (a) for check list.
- (2) Inspect inlet, barrel, and outlet for accumulation of sediment, rubbish, and vegetal matter. Note condition under Column (c).
- (3) If any settlement or damage to the pipe, barrel, or invert of the drain has occurred, estimate the location and amount. Note particularly if any backfill has come into the pipe or been disturbed. Record observations under Column (d).
- (4) Inspect the concrete portions of the structures for evidence of settlement, cracks, "pop-outs", spaces, abrasive wear, or other deterioration. Record conditions under Column (e).
- (5) Inspect backfill area adjacent to structure for evidence of erosion caused by overflow of the drainage structure and note conditions in Column (f).
- (6) Under Column (g) indicate physical measures that have been taken to correct conditions reported in last inspection, and their condition at time of this inspection.
- (7) Under Column (h) record opinion, if any, of contributory causes for conditions observed, also any observations not covered under other columns.
- (8) A copy of the inspector's report as so submitted to the District Engineer immediately on completion, and a record copy shall be attached to the Superintendent's semi-annual report.

EXHIBIT "F"

LETTER OF ACCEPTANCE
BY STATE RECLAMATION BOARD



DEPARTMENT OF THE ARMY
U.S. Army Engineer District, Sacramento
Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

REPLY TO
ATTENTION OF

Flood Protection and Navigation Section

NOV 24 2010

Mr. Jay Punia, Executive Officer
Central Valley Flood Protection Board
3310 El Camino Avenue, Room 151
Sacramento, California 95821

Dear Mr. Punia:

The U.S. Army Corps of Engineers completed a portion of work under PL 84-99, Flood Control and Coastal Emergencies (FCCE) (33 U.S.C. 701n) (69 Stat. 186) for emergency management activities. Repairs were made to rehabilitate various sites within Reclamation District 900. Additional information about the repair and location of the site(s) may be found in the document titled, Project Information Report (PIR) for PL 84-99 Levee Rehabilitation, Reclamation District 900, dated April 13, 2007.

The rehabilitation meets the requirements of the existing Operation and Maintenance Manuals (O&M) and enclosed revisions. The subject flood damage reduction project is considered complete as of the date of this letter. The repairs were completed under Contract Number W91238-06-D-0029, Task Order Number 3. As-constructed drawings and revisions to the Operation and Maintenance Manual are enclosed. The Central Valley Flood Protection Board shall continue to operate and maintain the completed Rehabilitation Effort as part of the project.

If you have any questions regarding this project, please contact Ms. Christy Jones (916) 557-7107 or Ms. Paige Caldwell (916) 557-6919, Readiness Section. If you have any questions regarding this transfer, please contact Mr. Ryan Larson at (916) 557-7568 or Mr. Robert Murakami at (916) 557-6738, Flood Protection and Navigation Section.

A copy of this letter is being furnished to Reclamation District 900, P.O. Box 673, West Sacramento, CA 95691.

Sincerely,

William J. Leady, P.E.
Colonel, U.S. Army
District Commander

Enclosure

Unit 116

Flood Protection and Navigation Section

cc: CESPCK-CO-E (^{Jones}Bergmeeser)

- MURAKAMI *by*
- LARSON *RZ*
- for* NAGY *RZ*
- CALDWELL *ELC*
- OLSEN *W*
- MAHONEY *Emain*
- MO* FAUSTINO *A*
- MULLINS *m*
- LEADY

Christelle

file: Sac River
flood control

January 27, 2006

Navigation and Flood Control Unit

Mr. Peter D. Rabbon, General Manager
The Reclamation Board
3310 El Camino Avenue, Room LL40
Sacramento, California 95821

Dear Mr. Rabbon:

You are hereby notified that the Corps of Engineers has completed the levee reconstruction/slump repair and drainage ditch work along the Sacramento River Flood Control Project (Unit No. 116) under authority of the Water Resources Development Act of 1986 (P/L 99-662).

The completed functional work consists of increasing levee crown width and associated levee slope backfill; removal of unsuitable and organic material in slump areas; addition of a toe drainage layer; new valves, valve vaults, and risers; a new drainage ditch, and levee slump repair.

Contract 4A work was completed in November 1998, in accordance with Contract Number DACW05-98-C-0043, Specification Number 9736, and Drawing Number 50-04-6003. Contract 4B work was completed in October of 2004, in accordance with Contract Numbers DACW05-02-C-0021 (drainage ditch) and DACW05-03-C-0012 (levee slump repair), Specification Number 1279, and Drawing Number SA-04-157. Contract 4C work was completed on October 29, 2004, in accordance with Contract Number W91238-04-C-0026, Specification Number 1392, and Drawing Number SA-25-161.

The completed work will be operated and maintained in accordance with the Local Cooperation Agreement between the Department of the Army and the State of California dated March 12, 1990, and the revised Operation and Maintenance Manual. The enclosed disk contains as-constructed drawings for 4A, 4B, 4C and revised pages of the Operation and Maintenance Manual that reflect these and other past changes. As-constructed drawings for the Contract 4A work are represented by the contractor's marked-up drawings which serves as our only record of as-constructed conditions.

In accordance with Army Regulations, the completed work is hereby transferred to the State of California for operation, maintenance, repair, replacement, and rehabilitation (OMRR&R) as of the date of this letter.

Unit 116

If you have any questions regarding this project, please contact Mr. Lester Schmittner, Civil Works Branch at (916) 557-7812. If you have any question regarding this transfer, please contact Mr. Mohsen Tavana at (916) 557-5282 or Mr. Robert Murakami at (916) 557-6738, Navigation and Flood Control Unit.

Sincerely,

Ronald N. Light
Colonel, Corps of Engineers
District Engineer

Enclosure

cc:
CESPK-CO-OR (NAV/FLD CTRL FILE)
CESPK-ED-DC (VALENTINE)
CESPK-PM-C (SCHMITTNER)

MURAKAMI/dd *RM*

TAVANA *MTA*

VALENTINE *PK*

SCHMITTNER *WS*

SANDNER *SA*

MAHONEY *mm*

CLAY *CL*

COWAN

TRAINER

LIGHT *RL*

Unit 7/1/16



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, SACRAMENTO
CORPS OF ENGINEERS
1325 J STREET
SACRAMENTO, CALIFORNIA 95814-2922

Navigation and Flood Control Unit

FEB 03 2004

Mr. Peter D. Rabbon, General Manager
The Reclamation Board
State of California
3310 El Camino Avenue, Room LL40
Sacramento, California 95821

Dear Mr. Rabbon:

This letter is to transfer a portion of work along the Sacramento River to The Reclamation Board for Operation, Maintenance, Repair, Replacement, and Rehabilitation (OMRR&R). The completed work is located in Yolo County within Sacramento Basin No. 10. The completed work includes Station 240+50 through Station 296+00 of Reclamation District 537 located along the left (south) bank of the Sacramento Bypass from the Sacramento Weir approximately 1.1 miles west. This work was constructed as part of Reach D for the West Sacramento Project. The site was repaired as a result of damage sustained during the Flood of 1997. A description of the repairs and the location of the site are included in the document titled "Project Information Form, Reclamation District 537 (Sac-10), 1997 Cost-Shared Levee Repairs, Yolo County, California" (encl 1).

The work was performed under the general authority of the Flood and Coastal Storm Emergencies Act, Public Law 84-99; and, special authority granted under the Fiscal Year 1997 Emergency Supplemental Appropriations Act, Public Law 105-18. This work now meets the requirements of the existing Operations and Maintenance Manual for Sacramento Basin No. 10; and, therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred as of the date of this letter to the State of California for operation and maintenance.

The repairs were completed in accordance with Specification Number 9857, Drawing File Number 50-04-6023, and Contract Number DACW05-99-C-0085. A final inspection was conducted in September 2002 and all noted deficiencies have been resolved. A portion of the original construction drawings for the completed work is included in the document titled "West Sacramento Project Levee Reconstruction, Contract B" (encl 2). Eight sheets pertaining to the rehabilitation of Sacramento Basin No. 10 within Reach D are also enclosed (encl 2). A complete set of as-built drawings associated with this work will be transmitted during transfer of Contract B for the West Sacramento Project.

If you have any questions regarding this project, please contact Mr. Eric Nagy of the Programs and Project Management Division at (916) 557-5114. If you have any questions regarding this transfer, please contact Mr. Mohsen Taviana at (916) 557-5282 or Mr. Bob Murakami at (916) 557-6738.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael J. Conrad, Jr.", written in a cursive style.

Michael J. Conrad, Jr.
Colonel, Corps of Engineers
District Engineer

Enclosures

Copy Furnished:

Mr. Keith Swanson, State of California, Department of Water Resources, 3310 El Camino Avenue, Room 110, Sacramento, CA 95821

APR 23 2001

Mr. Peter D. Rabbon, General Manager
The Reclamation Board
State of California
1416 - 9TH Street, Room 1601
Sacramento, California 95814

Dear Mr. Rabbon:

This letter is to transfer a portion of work on the east levee of the Yolo Bypass from the Sacramento Bypass to the south boundary of RD 900 and a portion of the west levee of the Sacramento River from the Sacramento Weir to Sacramento River mile 51.2, in RD 900, to the State of California for operation and maintenance.

The work consisted of restoring the east levee of the Yolo Bypass damaged by the January 1997 Flood by removing existing emergency flood protection materials, including sandbags, plastic sheeting, and stakes, and placing levee stone protection over embankment fill over geotextile material. The work also included restoring the west levee of the Sacramento River by placement of stone protection over levee rockfill over geotextile material, temporary removal and subsequent reinstallation of guardrail and guardrail posts as required, and exposed non-functional steel cables were removed. The work as listed in the enclosure was completed on October 11, 1997 in accordance with Specification No. 9858E, Drawing File 50-04-6031, Contract No. DACW05-97-C-0128.

The work was performed under the general authority of 33 U.S.C. 701n (69 Stat. 186) PL 84-99 and now meets the requirements of the Operations and Maintenance Manual for the Sacramento River Flood Control System in RD 900. Therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred as of the date of this letter to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Sacramento River Flood Control Project, which is being transferred under separate cover.

Sincerely,

Robert A. O'Brien III
Lieutenant Colonel,
Corps of Engineers
Deputy District Engineer

[Signature]
MINTON/DD

[Signature]
TAVANA

[Signature]
SANDNER

[Signature]
WINTON

[Signature]
DURHAM-AGUILERA

[Signature]
DOYLE

[Signature]
KORMAN

[Signature]
CHARLTON

[Signature]
O'BRIEN

Enclosure
cc:
CESPK-CO-E
CESPK-ED
CESPK-ED-D
CESPK-PM
CESPK-CO-RV

SAC R FCP

June 25, 1993

Navigation and Flood Control Unit

The Reclamation Board
State of California
1416-9th Street, Room 455-6
Sacramento, California 95814

Jone

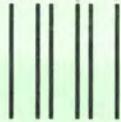
Members of the Board:

You are hereby notified that the Corps of Engineers has completed the West Sacramento work on the Sacramento River right bank levee under authority of the Flood Control Act of 1917 as amended and modified. The work consisted of the construction of approximately 5.35 miles of earth fill bench with a chimney drain on the landside slope of the Reclamation District 900 levee between levee miles 2.06 and 7.72.

The work was completed on March 30, 1993, in accordance with Contract Number DACW05-91-C-0012, Specification Number 8847, and Drawing Number 50-4-5822. Therefore, this completed work is hereby transferred to the State of California for operation and maintenance as of the date of this letter.

The completed work will be maintained in accordance with the Local Cooperation Agreement between the Department of the Army and the State of California dated June 14, 1990. The new work

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS



SENDER INSTRUCTIONS

- Print your name, address and ZIP Code in the space below.
- Complete items 1, 2, 3, and 4 on the reverse.
 - Attach to front of article if space permits, otherwise affix to back of article.
 - Endorse article "Return Receipt Requested" adjacent to number.



PENALTY FOR PRIVATE USE, \$300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

CESPK-CO-0 (Tavana) DACW05-⁹¹⁻⁰⁰¹²~~92-0072~~

COMMANDER

U.S. Army Corps of Engineers District, Sacramento

Corps of Engineers

650 Capitol Mall

Sacramento, CA 95814-4794

*Unit 116
orig of this
letter was lost*

will be added by amendment to the Operation and Maintenance Manual, Supplement Number 116, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

Michael P. Stuhr
Lieutenant Colonel,
Corps of Engineers
District Engineer

Copies Furnished:

Department of Water Resources, ATTN: G. Snow, 3201 S Street,
Sacramento, California 95816-7017
Department of Water Resources, ATTN: G. Qualley, 1416 Ninth
Street, Sacramento, California 95814
CDR, SPD, ATTN: CESPd-CO-0
CDR, USACE, ATTN: DAEN-CECW-OM

cc:
Central Valley Sec
PM (Childs)
Prog Dev
F&A Br
Valley Res Ofc

KELLY/ms

HELM

WINTON

DENNIS

JOHNSON

CHILDS

SAIA

STUHR

LU/T0045.TR

Unit 116

November 16, 1989

Navigation and Flood Control Unit

The Reclamation Board
State of California
1416 - 9th Street, Room 455-6
Sacramento, California 95814

not

Members of the Board:

This is in regard to the joint inspections of November 8 & 9, 1989, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 42) to the State of California for operation and maintenance. The flood control work consists of bank sloping, placement of stone protection and miscellaneous work on the Sacramento River right bank at Site Miles 23.6, 26.7, 42.7, 43.5, 56.5 and 56.7 and left bank at Site Miles 20.2, 33.3 and 36.1; Georgiana Slough right bank at Site Miles 7.9 and 8.1 and left bank at Site Miles 4.8 and 11.7; Steamboat Slough right bank at Site Mile 22.1 and left bank at Site Miles 19.8, 23.2 and 25.9, and Sutter Slough left bank at Site Mile 22.2.

The sites were completed on November 8, 1989, in accordance with Contract Number DACW05-89-C-0037, Specification Number 8259 and Drawing Number 50-4-5784.

11-14-89
ROMPALA/mt

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, July 14, 1960), Section 2304(a), Title 10, and the Water Resources Development Act of 1986 (PL 99-662, October 17, 1986), and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous thereto is transferred as of November 9, 1989 to the State of California for operation and maintenance.

in for
KELLY
A. SMITH
[Signature]
HEIN

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 103, 104, 110, 111, 113, 114 and 116, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

FAST

cc:
~~D-O Div;~~ ~~Fld Cntrl Unit;~~
~~Central Valley Sec;~~ ~~Prog~~
~~Dev;~~ ~~F&A Br;~~ ~~Valley Res~~
~~Ofc;~~ ~~Reading~~

Sincerely,

Jack A. Le Cuyer
Colonel, Corps of Engineers
District Engineer

DENNIS
MASON
[Signature]
Le CUYER

Units 103, 104, 110, 111, 113, 114, 116

Copies Furnished:

DWR, ATTN: G. Snow; DWR, ATTN: G. Qualley; Cdr, SPD, ATTN: CESP-D-0;
Cdr, USACE, ATTN: DAEN-CECW-OM

PC#LTRUNIT42

2



November 30, 1987

Navigation and Flood Control Unit

Done
The Reclamation Board
State of California
1416 - 9th Street, Room 455-6
Sacramento, California 95814

Members of the Board:

This is in regard to the joint inspections of November 24 and 25, 1987, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 38B), to the State of California for operation and maintenance. The flood control work consists of bank sloping and placement of stone protection on the Sacramento River's right bank at Site Miles 62.6, 70.2, 71.2, 72.1, 76.6, 76.9, 89.8 (two sites on the left and right banks below Colusa Basin Outfall) and 98.7, and left bank at Site Miles 78.2, 101.5 and 105.5.

The work was completed on November 15, 1987, in accordance with Contract Number DACW05-86-C-0079, Specification Number 7082 and Drawing Number 50-4-5714. A 100-foot section of bank protection was deleted on the right bank at Site Mile 62.6 to accommodate a water intake facility for the City of West Sacramento.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, July 14, 1960), and Section 2304(a), Title 10, and the Water Resources Development Act of 1986 (PL 99-662, October 17, 1986), and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of November 25, 1987 to the State of California for operation and maintenance.

orig lost

*Units 116, 122, 123,
124, 127, 128,
130*

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 116, 122, Part-1, 123, 124, 127, 128 and 130, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

Wayne J. Scholl
Colonel, Corps of Engineers
District Engineer

(1145)

ROMPALA/mt

Copies Furnished:

KELLY

DWR, ATTN: G. Snow
DWR, ATTN: G. Qualley

A. SMITH

cc:

Commander, South Pacific Division, ATTN: CESP-D
Commander, USACE, ATTN: DAEN-CECW-OM
Flood Control Unit
Civ Des Sec D (Pahl)
Prog Dev
F&A Br
Valley Res Ofc (dupe)
C-O Div
Reading

HELM

FAST

DENNIS

CZARZASTY

SCHOLL

WANG #8856a

*Units 116, 122, 123,
124, 127, 128, 130*

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

January 15, 1987

Navigation and Flood Control Unit

The Reclamation Board
State of California
1410 - 9th Street, Room 433-6
Sacramento, California 95814

Members of the Board:

You are hereby notified that the Corps of Engineers has completed emergency repairs to project levees under authority of Section 3 of the Flood Control Act of August 18, 1941, as amended (Public Law 97, 64th Congress, 1st Session). The work was completed on November 17, 1986, and consisted of restoring portions of the Yolo Bypass left bank levee in Reclamation Districts 537, 785, 827 and 1000, the Sacramento Bypass right bank levee and the Sacramento River right bank levee in Reclamation District 1000 in accordance with Contract Number DACW85-86-C-0113 and Drawing Number 50-4-5776. This work shall be maintained in accordance with the assurances which your Board provided for the Sacramento River Flood Control Project. This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 116, 122 and 123, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

cc:
E.M. (Garrett)
> Ops Br
Engr Div (Civ Des Sec D - Pahl)
Valley Res Ofc (Cameron)

Wayne J. Scholl
Colonel, Corps of Engineers
District Engineer

Copies furnished:

Commander, South Pacific Division, AFM: SPOCO-0
SAR, AFM: J. Angel
SAR, AFM: G. Snow

not
*Units 116,
122, 123*

Jul 1-20
ROMPALA/th

RCK
KELLY

AS
A. SMITH

HELM

FAST

D
DENNIS

McCOLLUM

SCHOLL
AJW

WANG #6286a

SACRO RIVER LEVEE R&B IN RD 1600

January 14, 1957

Navigation and Flood Control Unit

CERTIFIED
No. **785563**
RETURN RECEIPT REQUESTED

The Reclamation Board
State of California
1416 - 9th Street, Room 453-0
Sacramento, California 95814

Members of the Board:

You are hereby notified that the Corps of Engineers has completed emergency repairs to project levees under authority of Section 3 of the Flood Control Act of August 18, 1941, as amended (Public Law 49, 84th Congress, 1st Session). The work was completed on November 3, 1956, and consisted of repairs to the Sacramento River Weir, in accordance with Contract Number DACW01-86-D-0116 and Drawing Number 5025-3769. This work shall be maintained in accordance with the assurances which your Board provided for the Sacramento River Flood Control Project. This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 115, 121 and 128, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

Wayne J. Scholl
Colonel, Corps of Engineers
District Engineer

cc:
E.M. (Garrett)
Ops Br
Engr Div (Civ Des Sec D - Pahl)
Valley Res Ofc (Cameron)

RMPALA/jg

KELLY

A. SMITH

HELM

FAST

DENNIS

McCOLLAM

SCHOLL
WANG #6290a

Units 116, 158, 122



Copies furnished:

Commander, South Pacific Division
DSC, AFM: J. Angel
DSC, AFM: G. Ince

X



C
O
P
Y

DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT CORPS OF ENGINEERS
650 CAPITOL MALL
SACRAMENTO, CALIFORNIA 95814

C
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P
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REPLY TO
ATTENTION OF

November 16, 1983

Navigation and Flood Control Unit

The Reclamation Board
State of California
1416 - Ninth Street, Room 455-6
Sacramento, California 95814

Members of the Board:

You are hereby notified that the Corps of Engineers has completed emergency repairs to project levees under authority of Section 5 of the Flood Control Act of August 18, 1941, as amended (Public Law 99, 84th Congress, 1st Session). The work was completed on November 5, 1983 and consisted of repairing the Yolo Bypass left bank levee - Reclamation District 900 in accordance with Contract No. DACW05-83-C-0148 and Drawing No. 50-4-5600. This work should be maintained in accordance with the assurances which your Board provided for the Sacramento River Flood Control Project. This portion of the work will be added by amendment to the Operation and Maintenance Manual, Unit No. 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

Arthur E. Williams
Colonel, Corps of Engineers
District Engineer

Copy Furnished:
Commander, South Pacific Division, ATTN: SPDCO-0

EXHIBIT F

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

CERTIFIED
No. 778850
RETURN RECEIPT REQUESTED

May 16, 1983

Navigation and Flood Control Unit

no drawing

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

Members of the Board:

You are hereby notified that the Corps of Engineers has completed emergency work in R.D. 900, Unit Number 2 under authority of Section 5 of the Flood Control Act of August 18, 1941, as amended (Public Law 99, 84th Congress, 1st Session). The work was completed on March 18, 1983 and consisted of construction of a 600 foot⁺ long by 40 foot⁺ wide by 4 feet⁺ thick land-side berm along the left bank levee of the Yolo Bypass in accordance with Contract Number DACW05-83-C-0059. This work shall be maintained in accordance with the assurances which your Board provided for the Sacramento River Flood Control Project. This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Number 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

for mark
ROMPALA/db

RCK
KELLY

[Signature]
A. SMITH

[Signature]
DENNIS

LEE *[Signature]*

[Signature]
WILLIAMS
[Signature]

Sincerely,

Arthur E. Williams
Colonel, Corps of Engineers
District Engineer

- Copy Furnished:
- Commander, South Pacific Division, ATTN: SPDCO-0
 - cc:
 - EM (Garrett)
 - Ops Br
 - Engr Div (Levees & Chans - Nolan)
 - Val Res Ofc

Unit 116

Transfer file #4

SPKCO-0

19 January 1981



The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, CA 95814

dm

Gentlemen:

This is in regard to the joint inspection of 15 January 1981 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 33), to the State of California for Operation and Maintenance. The flood control work consists of levee bank sloping and placement of stone protection on the Sacramento River right bank at Site Mile 56.9 and left bank at Site Mile 56.6. The sites described in the inclosure were completed on 15 January 1981 in accordance with Contract No. DACW05-77-C-0101, Specification No. 5269 and Drawing No. 50-4-5347.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, 14 July 1960), and Section 2304 (a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of 15 January 1981 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 116 and 117, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

12/19/80
ROMPALA/lm

AS
A. SMITH

PAUL F. KAVANAUGH
Colonel, CE
District Engineer

HEE

FAST

LEE

KAVANAUGH

- 1 Incl
- 1. Summary Sac Rv Bk
Prot Proj Unit 33

Copy furnished:
DWR, ATTN: R. Francson
DWR, ATTN: D. Meixner
OCE
SPD

- cc:
- Ops Br (Flood Control)
 - Valley Res Ofc (Cameron)
 - Engr Div (Lev & Chan) & (Prog Dv Br)
 - F&A Br (Kalal)

Units 116, 117

Summary of Sacramento River
Bank Protection Project
Portion of Unit 33
Sacramento River

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>
56.9 Right	7+50 to 13+00	550
56.6 Left	1+55 to 4+60	305

Unit 33/16, 117

DEPARTMENT
FILE #12DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD1416 - 9th Street, Room 335-18
Sacramento, CA 95814
(916) 445-9454

DEC 10 1979

Colonel Paul F. Kavanaugh
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel Kavanaugh:

The Reclamation Board at its regular meeting of December 14, 1979, authorized me to accept the completed flood control work from the District Engineer. This work is a portion of Unit No. 34 of the Sacramento River Bank Protection Project. The work was transferred to the State of California by your letter of December 4, 1979.

The flood control work was constructed in a workmanlike manner and in conformance with File No. 50-4-5433, Specification No. 5403, and Contract No. DACW05-78-C-0046, insofar as could be determined visually, at Sites Miles 62.7 Right Bank and 79.0 Left Bank, Sacramento River.

Sincerely,

for 
ELDON E. RINEHART
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Unit # 116, 141.1



John G. Talley, Jr.
10 Jan 80

SPKCO-0

4 December 1979



The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, CA 95814

Jone

Gentlemen:

This is in regard to the joint inspection of 30 November 1979 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 34), to the State of California for Operation and Maintenance. The flood control work consists of levee bank sloping and placement of stone protection on the Sacramento River right bank at Site Mile 62.7 and left bank at Site Mile 79.0. The sites described on the inclosure were completed on 30 November 1979 in accordance with Contract No. DACW05-78-C-0046, Specification No. 5403 and Drawing No. 50-4-5433.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL86-645, 14 July 1960), and Section 2304 (a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of 30 November 1979 to the State of California for operation and maintenance.

Wang 6031A

M 3 Dec
ROMPALA/sv/W

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 116 and 141 Part No. 1, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

MCCBRIDE

AS
A. SMITH

Sincerely,

PAUL F. KAVANAUGH
Colonel, CE
District Engineer

HELM

PROBANSO

MCCOLLAM

KAVANAUGH

Unit 116, 141.1

1 Incl
As stated

Copy furnished:
DWR, ATTN: R. Franson
DWR, ATTN: D. Meixner
OCE
BPD

cc:
 Ops Br (Flood Control)
 Valley Res Ofc (Patrick)
 Engr Div (Lev & Channel)
 Prog Dev Br
 F&A Br (Kalal)

Rompala

SUMMARY OF SACRAMENTO RIVER
BANK PROTECTION PROJECT
PORTION OF UNIT 34
SACRAMENTO RIVER RIGHT BANK

SITE MILE

STONE PROTECTION

L.F.

62.7

Sta. 226+90 to 232+00

510

SACRAMENTO RIVER LEFT BANK

79.0

Sta. 2+00 to 7+95

595

Units 116, 141-1

C
O
P
Y

THE RECLAMATION BOARD
STATE OF CALIFORNIA

C
O
P
Y

December 7, 1977

Colonel Donald M. O'Shei
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel O'Shei:

At its regular meeting of November 29, 1977, The Reclamation Board formally accepted from the District Engineer the completed flood control work on a portion of the Sacramento River Major and Minor Tributaries Project. The flood control work was transferred to the State of California by your letter of November 21, 1977.

The flood control work consisted of selective clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Site 1 located on the right bank levee of Sutter Bypass at Decker Road, Site 2 on the east levee of Yolo Bypass about 400 feet north of I-80 bridge and Site 3, 2,100 feet south of I-80 bridge.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5422, Specification No. 5383, and Contract No. DACW 05-77-C-0094, insofar as could be determined visually.

Sincerely,

/s/ Paul L. Clifton
PAUL L. CLIFTON
General Manager

EXHIBIT F

SPKCO-0

21 November 1977

File

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, CA 95814

Gentlemen:

Reference is made to the joint inspection of 17 November 1977, made for the purpose of transferring three completed rock revetment sites to the State of California for operation and maintenance. This work consists of two sites on the Yolo Bypass east levee and one site on the Sutter Bypass west levee (Butte Slough), as described on the inclosure. The work was constructed as part of the Sacramento River major and Minor Tributaries Flood Control Project and completed on 17 November 1977, in accordance with Specification No. 5383, Contract No. DACW05-77-C-0094, Drawing No. 50-4-5422.

ROMPALA/mm/RI

MCBRIDE

The work was performed under the general authority of the Flood Control Act of 22 December 1944 (Public Law 534, 78th Congress, 2nd Session), as amended and now meets the requirements of the Sacramento River Major and Minor Tributaries Flood Control Project. Therefore, said work, together with waterway banks contiguous thereto, is transferred as of 17 November 1977 to the State of California for operation and maintenance.

SMITH

HENSON

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 116 and 134, Sacramento River Flood Control Project, and furnished to your office at a later date.

PROBASCO

Sincerely yours,

O'SHEI

DONALD M. O'SHEI
Colonel, CE
District Engineer

Units 116, 134

cc: Engr Div (Lev & Chan)
Engr Div (Prog Dev)
Valley Res Ofc (2)
F&A (Kalal)
Flood Control

1 Incl
As stated

Copy furnished:
DWR, ATTN: R. Franson

OCE
SPD

transfer

SPFCO-0



The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, CA 95814

Gentlemen:

Reference is made to the joint inspection of 17 November 1976, made for the purpose of transferring a portion of the Sacramento River Major and Minor Tributaries Flood Control Project to the State of California for operation and maintenance. This work consists of shaping the levee slope and placement of rock revetment at two sites on the Yolo Bypass east levee, Yolo County.

The work, as listed and described on the inclosure, was completed on 12 November 1976 in accordance with Specification No. 5133, Contract No. DACW05-76-C-0105, Drawing No. 30-4-5170.

The work was performed under the general authority of the Flood Control Act of 22 December 1944 (Public Law 534, 78th Congress, 2nd Session) 10 U.S.C. 2304(a)(1) and now meets the requirements of the Sacramento River Major and Minor Tributaries Flood Control Project. Therefore, said work, together with the waterway banks contiguous thereto, are transferred as of 12 November 1976 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual Supplement Nos. 116 and 123, Sacramento River Flood Control Project, and furnished to your office at a later date.

Sincerely yours,

DONALD M. O'SHEI
Colonel, CE
District Engineer

ROBERT D. CREMER, JR.
Lieutenant Colonel, CE
Deputy District Engineer

JK
ROMPALA/pl

JK for
McBRIDE

JK
A. SMITH

JK
HENSON

JK
FRANCISCO

JK
CREMER

JK
O'SHEI

*Um + S 11/16/76
123*

*copy to
Kenny
25-1-77*

cc: Flood Control Unit
Valley Res Ofc
Engr Div (Levee & Chan)
(Prog Dev Br)
F&A (Kalab)

Incl
As stated

Copy furnished:
ONE, ATTN: R. Franzen & Robert Potter

OCE
 SPD

SUMMARY OF PORTION OF SACRAMENTO RIVER
MAJOR & MINOR TRIBUTARIES PROJECT
YOLO BYPASS EAST LEVEE (LEFT BANK)

SITE	STONE PROTECTION	L.F.	SITE DESCRIPTION
1	0+48 to 2+60	212 ⁺	Located just upstream from S.N.R.R. Trestle & River Road in R.D. 1600
2	1+50 to 3+10	160 ⁺	Located about 0.5 Mile upstream from Interstate 804 in R.D. 900

Units 116, 123

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STATE OF CALIFORNIA
THE RECLAMATION BOARD

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January 29, 1976

District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Sir:

The Reclamation Board at its regular meeting of January 23, 1976, formally accepted from the District Engineer the completed flood control work on a portion of Unit No. 28 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of January 15, 1976.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 50.4, 51.6, 56.0, 57.1 Right Bank and Sites Miles 40.3, 41.6 Left Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-4898, Specification No. 4559 and Contract No. DACW 05-76-C-0015, insofar as could be determined visually.

The irrigation facilities at Sites Miles 50.4 Right Bank and 40.3 Left Bank, Sacramento River, are not complete. It is understood that these facilities will be completed and transferred at a later date.

Sincerely,

/s/ P. C. Walters
P. C. WALTERS
Chief Engineer and
General Manager



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DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT, CORPS OF ENGINEERS
650 CAPITOL MALL
SACRAMENTO, CALIFORNIA 95814

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REPLY TO
ATTENTION OF
SPKCO-0

15 January 1976

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 14 January 1976, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 28) to the State of California for operation and maintenance. This flood control work consists of bank sloping and placement of stone protection on the Sacramento River left bank at Site Miles 40.3 and 41.6 and right bank at Site Miles 50.4, 51.6, 56.0 and 57.1. The sites, as described on the inclosure, were completed on 14 January 1976 with the exception of the irrigation facilities, in accordance with Specification No. 4559, Contract No. DACW05-76-C-0015, drawing No. 50-4-4898.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL86-645, 14 July 1960) and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous, thereto, is transferred as of 15 January 1976 to the State of California for operation and maintenance. The irrigation facilities at Site Miles 40.3 and 50.4 will be completed at a later date.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 111, 114 and 116 Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

1 Incl
as stated

F. G. Rockwell, Jr.
Colonel, CE
District Engineer

Copy furnished:
DWR, ATTN: R Franson & Carl Klug

EXHIBIT F

SUMMARY OF PORTION OF SACRAMENTO
RIVER BANK PROTECTION PROJECT, UNIT 28

RIGHT BANK

SITE MILE	STONE PROTECTION	L.F.
50.4	117+50 to 121+00 =	350
51.6	48+50 to 54+90 =	640
56.0	53+40 to 61+30 =	790
57.1	2+50 to 5+10 =	260

LEFT BANK

40.3	72+00 to 79+00 =	700
41.6	85+00 to 88+00 =	300

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DEPARTMENT OF WATER RESOURCES
STATE OF CALIFORNIA

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December 14, 1976

Colonel Donald M. O'Shei
Sacramento District
U.S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel O'Shei:

Refer to: SPKCO-0

At its regular meeting of December 10, 1976, the Reclamation Board formally accepted from the District Engineer the completed flood control work on a portion of the Sacramento River Major and Minor Tributaries Flood Control Project. The flood control work was transferred to the State of California by your letter of November 18, 1976.

The flood control work consisted of levee bank sloping and placement of stone protection at two sites on the East Levee of Yolo By-Pass, Yolo County.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5170, Specification No. 5133, and Contract No. DACW 05-76-C-0105, insofar as could be determined visually.

Sincerely,

/s/ Paul L. Clifton
PAUL L. CLIFTON
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

SPECO-0

15 January 1976

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

Jme

Gentlemen:

Reference is made to the joint inspection of 14 January 1976, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit No. 28) to the State of California for operation and maintenance. This flood control work consists of bank sloping and placement of stone protection on the Sacramento River left bank at Site Miles 40.3 and 41.6 and right bank at Site Miles 50.4, 51.6, 56.0 and 57.1. The sites, as listed on the inclosure, were completed on 14 January 1976 with the exception of the irrigation facilities, in accordance with Specification No. 4559, Contract No. DACW05-76-C-0015, Drawing No. 50-4-4898.

gc ke
ROMPALA/
k1c/R2

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, 14 July 1960), and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 15 January 1976 to the State of California for operation and maintenance. The irrigation facilities at Site Miles 40.3K and 50.4K will be completed at a later date.

mc
A. SMITH
HENSON

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 111, 114 and 116 Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

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F. G. ROCKWELL, JR.
Colonel, CE
District Engineer

Units 111, 114, 116

1 Incl
As stated

Copy furnished:
DNR, ATTN: R. Franson & Carl King

cc: Flood Control Unit
Valley Res Ofc
Engr Div (Levee & Chan)
(Prog Dev Br)
F&A (Kalal)

OCE
SPD

SUMMARY OF PORTION OF SACRAMENTO
RIVER BANK PROTECTION PROJECT, UNIT 28

RIGHT BANK

SITE MILE	STONE PROTECTION	L.F.
50.4	117+50 to 121+00 =	350
51.6	48+50 to 54+90 =	640
56.0	53+40 to 61+30 =	790
57.1	2+50 to 5+10 =	260

LEFT BANK

40.3	72+00 to 79+00 =	700
41.6	85+00 to 88+00 =	300

2040

1000

3040

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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November 15, 1974

District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, California 95814

Refer to: 4130.20.206

Dear Sir:

At its regular meeting of November 8, 1974, the Reclamation Board formally accepted from the District Engineer the completed flood control work on a portion of Unit No. 24 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of November 5, 1974.

The flood control work consisted of selective clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 62.5, 62.9, 94.8, and 111.9 Right Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-4713, Specification No. 4169, and Contract No. DACW 05-73-C-0038, insofar as could be determined visually.

Sincerely yours,

/s/ Roy L. McCuistion
A. E. McCOLLAM
Chief Engineer and
General Manager

Flood Control

SPKCO-0

5 November 1974

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

Jones

Gentlemen:

Reference is made to the joint inspection of 4 November 1974, made for the purpose of transferring a portion of the Sacramento River Bank Protection Work (Unit No. 24), to the State of California for operation and maintenance. This portion of flood control work consists of levee sloping and the placement of stone protection on the Sacramento River right bank at Site Miles 11.9, 94.8, 62.9, and 62.5. The sites, as listed on the inclosure were completed on 4 November 1974 in accordance with Specification No. 4169, Contract No. DACW05-73-C-0038, Drawing No. 50-4-4713.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304 (a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work, together with the waterway banks contiguous thereto, is transferred as of 5 November 1975 to the State of California for operation and maintenance.

This portion of the project works will be added by amendment to Operation and Maintenance Manual, Units Nos. 116 and 130 Sacramento River Flood Control project. Copies will be furnished your office at a later date.

Sincerely yours,

1 Incl
As stated

F. C. ROCKWELL, JR.
Colonel, CE
District Engineer

Copy Furnished:
DWR, ATTN: John Wright
cc:
OCE Engrg (Lev & Chan)
SPD (Prog Dev)
Valley Res Ofc
F&A (Jones)

Unit 116, 130

Wait/kic
WAIT/kic
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COLEMAN
COLEMAN

HENSON
HENSON

McKINSTRY
McKINSTRY

POTAMOS
POTAMOS

ROCKWELL
ROCKWELL

SUMMARY OF PORTION OF SACRAMENTO
RIVER BANK PROTECTION PROJECT UNIT #24

Sacramento River Right Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>Length</u>
111.9	33+00 to 45+00	1200
94.8	98+00 to 132+00	3400
62.9	218+72 to 226+60	788
62.5	240+00 to 252+00	1200

Unit 116, 130

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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February 15, 1973

District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, California 95814

Refer to: 4130.60.110

Dear Sir:

Reference is made to your letter of January 15, 1973, concerning the transfer to the State of California, for operation and maintenance, a portion of the Sacramento River Bank Protection Project, Unit No. 23.

The flood control work consisted of clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Site Mile 54.5 Right Bank and Site Mile 44.1 Left Bank, Sacramento River.

The flood control work has been completed and was constructed in a workmanlike manner. This flood control work has been constructed in conformance with Drawing No. 50-4-4687, Specification No. 4041, and Contract No. DACW05-73-C-0012, insofar as could be determined visually.

The Reclamation Board at its regular meeting of February 9, 1973, formally accepted from the District Engineer for operation and maintenance, the completed flood control work on the above referenced sites.

Sincerely yours,

/s/ Allan I. Wendroff
for A. E. McCOLLAM
Chief Engineer and
General Manager

CERTIFIED MAIL #608902
RETURN RECEIPT REQUESTED

RMP Clark file



SPKCO-0

15 January 1973

The Reclamation Board
State of California
1416 - 9th Street, Room 1335
Sacramento, California 95814

Gentlemen:

The purpose of this letter is to officially transfer a portion of the Sacramento River Bank Protection Project (Unit No. 23), to the State of California for operation and maintenance. This portion of flood control work consists of levee sloping and the placement of stone bank protection on the Sacramento River right bank at Site Mile 54.5 and left bank at Site Mile 44.1. The sites, as listed on the inclosure, were completed on 11 January 1973 in accordance with Specification No. 4041, Contract No. DACW05-73-C-0012, Drawing No. 50-4-4687.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 15 January 1973 to the State of California for operation and maintenance.

This portion of the project will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 111 and 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES C. DONOVAN
Colonel, CE
District Engineer

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HENSON
for
MCKINSEY
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DONOVAN
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Copy furnished:
DWR, ATTN: John Wright & Carl King
OCE
SPD

Units 111, 116

*copies to Landman
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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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December 18, 1972

Colonel James C. Donovan, District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Refer to: 4130.60.109

Dear Colonel Donovan:

Reference is made to your letter of December 4, 1972, concerning the transfer to the State of California, for maintenance and operation, a portion of the Sacramento River Bank Protection Project, Unit No. 21.

The flood control work consisted of selective clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Site Miles 53.3, 51.7, 46.3, 45.9, 44.9, Right Bank and Site Mile 12.4 Left Bank, Sacramento River.

The flood control work has been completed and was constructed in a workmanlike manner. This work has been constructed in conformance with Drawing No. 50-4-4487, Specification No. 3680, and Contract No. DACW05-72-C-0046, insofar as could be determined visually.

The Reclamation Board at its regular meeting of December 15, 1972, formally accepted from the District Engineer for operation and maintenance, the completed work on the above-referenced sites.

Sincerely yours,

/s/ A. E. McCollam
A. E. McCOLLAM
Chief Engineer and
General Manager

EXHIBIT F

R.M. Clark file

SPKCO-0

4 December 1972

F & A (Jones)

The Reclamation Board
State of California
1416 -- 9th Street, Room 1335
Sacramento, California 95814

Valley Res Ofc

Gentlemen:

On 3 November 1972 a joint inspection was made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #21), to the State of California for operation and maintenance.

The flood control work consisting of levee bank sloping and placement of stone bank protection on the Sacramento River right bank at Site Miles 44.9, 45.9, 46.3, 51.7 and 53.3, and left bank at Site Mile 12.4 is listed on the inclosure. The work was completed on 3 November 1972 in accordance with Specification No. 3680, Contract No. DACW03-72-C-0046, Drawing No. 50-4-4487.

Engr (Prog Dev)

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 4 December 1972 to the State of California for operation and maintenance.

[Signature]
ROMPALA/dc

Engr (Lev&Chann)

This portion of the project work will be added by amendment to the Operations and Maintenance Manual, Supplement Nos. 102, 114 and 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

[Signature]
COLEMAN
[Signature]
HENSON

Sincerely yours,

[Signature]
MCKINSEY
[Signature]
LORD
[Signature]
DONOVAN

1 Incl (dupe)
As stated

JAMES C. DONOVAN
Colonel, CE
District Engineer

*Unit 102,
114, 116*

Copy furnished:
DWR, ATTN: John Wright & C. King
DAEN-CWO
SPB

SUMMARY OF PORTION OF SACRAMENTO RIVER BANK PROTECTION
UNIT 21, SACRAMENTO RIVER

RIGHT BANK

<u>SECT MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>	<u>STONE TOEWALL</u>	<u>L.F.</u>
114 { 44.9 45.9 46.3 51.7 53.3	136+00 to 148+61	1261		
	93+00 to 101+00	800		
	68+00 to 79+00	1100		
	24+00 to 48+50	2450	33+50 to 37+00	350
	0+00 to 9+85	985		
	14+00 to 24+25	1025		
		<u>7621</u>		

LEFT BANK

12.4	7+00 to 19+25	1225	8+72 to 10+20	148
		<u>8846</u>		

Unit 102, 114, 116

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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December 9, 1971

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Refer to: 4130.60.108

Dear Sir:

Reference is made to your letters of November 18 and 23, 1971, concerning the transfer to the State of California for maintenance and operation a portion of the Sacramento River Bank Protection Project, Unit No. 19, consisting of Sites Mile 24.7, 30.4, 35.2, 42.0, 42.9 Left Bank and 28.3, 29.3, 42.5, 51.3 Right Bank of the Sacramento River.

This work was constructed in accordance with Specification No. 3427, Contract No. DACW05-71-C-0021, Drawing No. 50-4-4378.

The Reclamation Board, at its regular meeting of December 3, 1971, formally accepted this portion of Unit 19 for maintenance and operation.

Sincerely yours,

/s/ A. E. McCollam
A. E. McCOLLAM
Chief Engineer and
General Manager

EXHIBIT F

1 8 NOV 1971

The Reclamation Board
State of California
1416 - 9th Street, Room 1335
Sacramento, California 95814

F&A(Cordano)

Valley

Prog Dev

cc: Engr-Lev & Chan

Gentlemen:

Reference is made to the joint inspection of 16 November 1971, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit # 19), to the State of California for operation and maintenance.

The flood control work consists of bank sloping, levee enlargement and placement of stone bank protection on the Sacramento River right bank at Site Miles 28.3, 29.3, 42.5 and 51.3 as listed on the inclosure. The work was completed on 16 November 1971 in accordance with Specification No. 3427, Contract No. DACW05-71-C-0021, Drawing No. 50-4-4378.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 16 November 1971 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 104, 113, 114 and 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES C. DONOVAN
Colonel, CE
District Engineer

1 Incl (in dupe)
as stated

Copy furnished:
DIR, ATTN: John Wright
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ROMPALA

M
COLEMAN

MD
HENSON

[Signature]
DONOVAN

Petrus

*Units 104,
113, 114, 116*

*copies to John Talbot #
22 NOV 71 JK*

SUMMARY OF PORTION OF SACRAMENTO RIVER BANK PROTECTION PROJECT
UNIT 19, SACRAMENTO RIVER

RIGHT BANK

<u>SITE MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>	<u>STONE TOEWALL</u>	<u>L.F.</u>	<u>LEVEE ENLARGEMENT</u>	<u>L.F.</u>
28.3	195+48 to 213+55	1807	196+60 to 203+75 205+25 to 213+55	715 830		
29.3	132+50 to 151+65	1915	133+00 to 133+70	70	132+00 to 142+00 148+90 to 151+65	1000 275
42.5	18+00 to 26+20	820	18+40 to 19+00 20+67 to 23+00 25+85 to 26+20	60 233 35		
51.3	55+00 to 85+00	3000				

7542 ✓

Units 10A, 11, 11B, 11C, 11D, 11E

COPY

THE RECLAMATION BOARD
STATE OF CALIFORNIA

COPY

November 13, 1969

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of October 30, 1969 concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Work at seven critical locations on the right and left banks of the Sacramento River between Site Mile 12.4 and Site Mile 53.3 for operation and maintenance.

The work was constructed in accordance with Specification No. 3649, Contract No. DACW05-69-C-0064, Drawing No. 50-4-4476.

The Reclamation Board, at its meeting of November 7, 1969, formally accepted the above-referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCOLLAM
A. E. McCollam
Chief Engineer and
General Manager

EXHIBIT F

SPKCO-0

30 October 1969

The Reclamation Board
State of California
1416 - 9th Street, Room 1335
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 20 October 1969, made for the purpose of transferring a portion of the Sacramento River Bank Protection Work at 7 critical locations on the right and left banks of the Sacramento River between Mile 12.4 and Mile 53.3, to the State of California for operation and maintenance.

The flood control work consisting of levee setback, bank sloping and placement of stone bank protection on the Sacramento River left bank at Site Miles 12.4, 28.1 and 30.4 and right bank at Site Miles 19.9, 20.1, 45.9 and 53.3 is listed on the inclosure. The work was completed on 20 October 1969, in accordance with Specification No. 3649, Contract No. DACW05-69-C-0064, Drawing No. 50-4-4476.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session; and Section 2304(a), Title 10; & Section 5 of the Flood Control Act of 18 August 1941 as amended (Public Law 99, 84th Congress, 1st Session); and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto is transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 104, 111, 114 & 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

GEORGE B. FINK
Colonel, CE
District Engineer

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

1 Incl
as stated

Copy furnished:

O.C.E.

S.P.D.

CC: Engr Div-Lev&Chan; Engr Div-Prog Dev; Valley; F&A(Cordano)

JK
ROMPALA/pp

JK
COLEMAN

JK
HENSON

JK
HART

JK
FINK

*Units 104,
111, 114,
116*

To OSBUC and Huber 7 NOV 69

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT

RIGHT BANK

<u>LEVEE UNIT SITE MILE</u>	<u>LEVEE ENLARGEMENT STATION</u>	<u>L.F.</u>	<u>STONE PROTECTION STATION</u>	<u>L.F.</u>
19.9	53+60 to 56+35	= 275	53+60 to 56+35	= 275
20.1	39+32 to 49+00	= 968	39+85 to 48+00	= 815
45.9	89+50 to 94+00	= 450	89+50 to 93+50	= 400
53.3	9+00 to 15+00	= 600	9+00 to 15+00	= 600

LEFT BANK

12.4			1+00 to 8+70	= 770
28.1			52+00 to 61+30	= 930
30.4			157+50 to 166+00	= 850

*Units 104, 111, 114,
116*

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The Reclamation Board
State of California

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DEC 24 1968
4130.60.303

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of November 13, 1968 concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Project, Unit No. 13, consisting of Site Mile 62.25, right bank, for maintenance and operation.

This work was constructed in accordance with Specification No. 3369, Contract No. DACW05-68-C-0067, Drawing No. 50-4-4179.

The Reclamation Board, at its meeting of December 20, 1968, formally accepted the above referred to work for operation and maintenance with the following stipulations regarding maintenance of that portion of the project lying within the Corps of Engineers' Bryte Yard:

1. That the Corps of Engineers shall be responsible for the maintenance of the rock revetment on the waterside of the levee insofar as the elimination and control of noxious growth is concerned.
2. The Corps of Engineers shall be responsible for the maintenance of such facilities as are in the right-of-way. This includes security fence, ramps, paving on the ramps and across the levee crown, the ramp and boat rails down the levee revetment, lights and antenna poles.
3. The Corps of Engineers shall be responsible for the maintenance of the waterward levee slope above the rock revetment work. This will include the repair of any erosion of the slope due to surface water runoff.

EXHIBIT F
Sheet 1 of 2

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The Reclamation Board
State of California

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District Engineer

-2-

DEC 24 1968

4. The Corps of Engineers shall be responsible for the removal of debris collecting against, and the maintenance of, the chain link security fence constructed down across the revetment work at Engineers Station 22+08 and Engineers Station 53+36.

Sincerely yours,

/s/ A. E. McCOLLAM
A. E. McCOLLAM
Chief Engineer and
General Manager

EXHIBIT F
Sheet 2 of 2

SPKCO-0

13 November 1968

The Reclamation Board
State of California
1416 - 9th Street, Room 1335
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 13 November 1968, made for the purpose of transferring a portion of the Sacramento River Bank Protection Work (Unit #13), to the State of California for operation and maintenance.

The flood control work consists of placement of 1682 feet of stone bank protection on the right bank of the Sacramento River at Site Mile 62.25. The work was completed on 13 November 1968, in accordance with Specification No. 3369, Contract No. DACW05-68-C-0067, Drawing No. 50-4-4179.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session; and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work, together with the waterway banks contiguous thereto, is transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

CRAWFORD YOUNG
Colonel, CE
District Engineer

Copy furnished:
DWR

LOCE
SPD

cc: Engr-Lev&Chan; Engr-Prog Dev; Valley; F&A (Cordano)

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Copies to Jensen & Huber 14 NOV 68

ROMPAIA/P

COLEMAN

HENSON

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YOUNG

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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February 19, 1968

4130.60.106

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of February 6, 1968 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 11, Site Miles 35.0 and 52.9, right bank, Sacramento River, in accordance with Specification No. 3157.

The Reclamation Board, at its meeting of February 16, 1968, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCOLLAM
A. E. McCollam
Chief Engineer and
General Manager

EXHIBIT F

68-0067

CO

6 February 1968

SFKKO-F

The Reclamation Board
State of California
1416 - 9th Street, Room 1335
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 5 January 1968, made for the purpose of transferring a portion of the Sacramento River Bank Protection work (Unit #11), to the State of California for operation and maintenance.

The flood control work consisting of levee enlargement, bank sloping and placement of stone bank protection on the Sacramento River at Site Miles 35.0 and 52.9, right bank, is listed on the attached inclosure. The work was completed on 5 February 1968, in accordance with Specification No. 3157, Contract No. DACW05-67-C-0027, Drawing No. 50-4-4047.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session; and Section 2304(a), Title 10.

The flood control work as described on the attached inclosure now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 112 & 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

CRAWFORD YOUNG
Colonel, CE
District Engineer

1 Incl
As stated

Copy furnished:
Dept Water Resources

O.C.E.
S.D.D.

cc: Engr Div-Lev&Chan; Engr Div-Prog Dev;
Valley; F&A (Cordano)

copy to Alvin H. T.F.B.

RMPALA

COLEMAN

HEMSON

YOUNG

Units 112, 116

Handwritten initials and marks

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT
 PORTION OF UNIT #11
 RIGHT BANK

67-0027

<u>LEVEE UNIT SITE MILE</u>	<u>LEVEE ENLARGEMENT STATION</u>	<u>LINEAL FEET</u>	<u>STONE PROTECTION STATION</u>	<u>LINEAL FEET</u>	<u>ROCK TOE WALL STATION</u>	<u>LINEAL FEET</u>
35.0	39+40 to 50+00	1060	39+90 to 50+00	1010	46+50 to 50+00	350
52.9	4+00 to 31+84 0+00 to 2+00	2984	4+00 to 31+84 0+00 to 2+00	2984		

all 1915 from

C
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THE RECLAMATION BOARD
STATE OF CALIFORNIA

C
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Y

Dec 21 1967
4130.55.604

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of November 28, 1967 concerning transfer to the State of California of three completed rock revetment sites on the east and west levees of the Yolo Bypass, in accordance with Specification No. 3418.

The Reclamation Board, at its meeting of December 15, 1967, formally accepted the above referred to work for operation and maintenance.

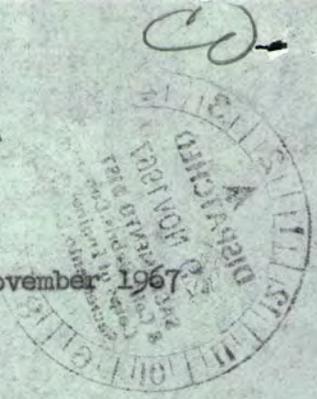
Sincerely yours,

/s/ A. E. McCollam
A. E. McCOLLAM
Chief Engineer and General
Manager

EXHIBIT F

SPKKO-F

28 November 1967



The Reclamation Board
State of California
1416 - 9th Street, Room 1335
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection on 21 November 1967, made for the purpose of transferring three completed rock revetment sites on the east and west levees of the Yolo Bypass, to the State of California for operation and maintenance. The first site starts on the east levee, 3.0 miles upstream from the Sacramento Bypass and runs upstream for a distance of 8,000 feet. The second site starts on the east levee, 2,100 feet upstream from Interstate 80 and runs downstream for a distance of 1,220 feet. The third site starts on the west levee, 0.9 mile upstream from Liberty Farms headquarters and runs downstream 5,640 feet.

not
noted

The work was completed on 21 November 1967, in accordance with Specification No. 3418, Contract No. DACW05-67-C-0082, and Drawing No. 50-4-4348. This work was performed under the general authority of the Sacramento River Major & Minor Tributaries Flood Control Project, which was authorized by the Flood Control Act of 22 December 1944 (Public Law 534, 78th Congress, 2nd Session).

WAIT/jmc

The above Flood Control work now meets the requirements of the Sacramento River Major & Minor Tributaries Flood Control Project. Therefore, said flood control work together with the waterway banks contiguous thereto, are transferred to the State of California for operation and maintenance.

COLEMAN
HENSON

This portion of the project work will be added by amendment to the Operation & Maintenance Manual, Supplement Nos. 109, 116 & 122, Sacramento River Flood Control Project, and furnished to your office at a later date.

YOUNG

Sincerely yours,

CRAWFORD YOUNG
Colonel, CE
District Engineer

Units
109, 116,
122

30

Copy furnished:
Dept Water Resources

O.C.E. & SPD

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

cc: Engr Div-Lev & Chann;
Engr Div-Prog Dev;

Valley
F&A(Cordano)

to draw # 5PEC

THE RECLAMATION BOARD

ROOM 1335, RESOURCES BUILDING, 1416 9TH STREET • SACRAMENTO 95814

Major & minor



- STANLEY W. KRONICK, *President*
- J. J. MADIGAN, *Vice President*
- WALLACE McCORMACK, *Secretary*
- GEORGE W. NICKEL, JR.
- HAROLD J. O'BANION
- H. TERRILL SARTAIN
- DONALD L. WEILER
- COL. A. E. McCOLLAM, *General Manager*

DEC 9 1966

Refer to: 4130.55.603
Contract 66-134

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California

Dear Sir:

Reference is made to your letter of November 29, 1966 concerning transfer to the State of California of the Bypass Levee Revetment, East Levee Yolo Bypass, Sites I and II, in accordance with Specification No. 3330.

The Reclamation Board, at its meeting of December 1, 1966, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

A. E. McCollam
A. E. McCOLLAM
General Manager

JHMacC:pa

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Units 5116, 122

SPKKO-F

29 November 1966

C
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The Reclamation Board
State of California
1416 - 9th Street, Room 1335
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection on 22 November 1966, made for the purpose of transferring two completed rock revetment sites to the State of California for operation and maintenance. This rock revetment work was placed on the east levee of the Yolo Bypass at two sites. One site starts at the Sacramento Bypass and runs for a distance of 5,800 feet to the S.P. Railroad. The other site starts 2.2 miles upstream from the Sacramento Bypass and runs for a distance of 6,380 feet.

The work was completed on 4 November 1956, in accordance with Specification No. 3330, Contract No. DA-04-167-CIVENG-66-134, and Drawing No. 50-4-4214. This work was performed under the general authority of the Sacramento River Major and Minor Tributaries Flood Control Project, which was authorized by the Flood Control Act of 22 December 1944 (Public Law 534, 78 Congress, 2nd Session).

The above Flood Control work now meets the requirements of the Sacramento River Major and Minor Tributaries Flood Control Project. Therefore, said flood control work is hereby transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 116 and 122, Sacramento River Flood Control Project, and furnished to your office at a later date.

Sincerely yours,

T. S. MEADE
Lieutenant Colonel, CE
Acting District Engineer

EXHIBIT F

C
O
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C
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THE RECLAMATION BOARD
STATE OF CALIFORNIA

JUN 28 1966

Refer to: 4130.60.103
Contract 66-15

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California

Dear Sir:

Reference is made to your letter of December 14, 1965 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 6, Site Mile 52.3, right bank, in accordance with Specification No. 3058.

The Reclamation Board, at its meeting of June 23, 1966, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCollam
A. E. McCOLLAM
General Manager

EXHIBIT F

SPKKO-F

14 December 1965

The Reclamation Board
State of California
1416 - 9th Street, Room 1335
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection made on 1 December 1965, of flood control work pertaining to a portion of the Sacramento River Bank Protection Project for the purpose of transferring this work, upon completion, to the State of California for operation and maintenance.

The flood control work, consisting of 2,400 feet of levee enlargement and 2,100 feet of stone protection, on the right right of the Sacramento River, Mile 52.3, was completed on 1 December 1965, in accordance with Specification No. 3058, Contract No. DA-04-167-CIVENG-66-15, and Drawing No. 50-4-3848.

cont'd

The flood control work now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control work, together with the waterway banks contiguous thereto are transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 116, Sacramento River Flood Control Project, and furnished your office at a later date.

[Signature]
COLEMAN/p

Sincerely yours,

[Signature]
HENSON

ROBERT E. MATHE
Colonel, CE
District Engineer

Unit 116

[Signature]
MATHE
[Signature]

Copy furnished:
Dept Water Resources

O.C.E.
 S.P.D.

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

cc: Engr Div-Lev & Chan; Engr Div-Planning; Real Estate, Supply, F&A,
Valley Res Ofc

COPY

THE RECLAMATION BOARD

September 16, 1964

Refer to: 7001.55.601
4130.55.601

District Engineer
Corps of Engineers
U. S. Army
P. O. Box 1739
Sacramento, California - 95808

Dear Sir:

Reference is made to your letter of 25 August 1964, concerning transfer to the State of California of stone revetment on waterside slope of west Yolo Bypass levee, beginning from Sacramento Northern Railroad crossing running upstream 0.31 mile to south end of Chache Creek weir, and from north end of Cache Creek weir upstream 0.79 mile, and stone revetment on waterside slope of Yolo Bypass east levee, beginning at Sacramento Deep Water Channel and running upstream 1.55 miles to Yolo Causeway, in accordance with Specification No. 2917.

The Reclamation Board, at its meeting of September 3, 1964, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

A. E. McCOLLAM /s/
A. E. McCOLLAM
General Manager

EXHIBIT F

SPKKO-F

25 AUG 1964

The Reclamation Board
State of California
1215 "O" Street
Sacramento, California 95814

Gentlemen:

Reference is made to joint inspections made on 22 July and 4 August 1964, on the Yolo Bypass Levee Revetment Sites No. 1 & 3, for the purpose of transferring them, upon completion, to the State of California for operation and maintenance.

The flood control work performed is described as follows:

a. Site No. 1 - Placement of stone revetment on the waterside slope of the west Yolo Bypass levee, beginning from the Sacramento-Northern Railroad crossing and running upstream 0.31 mile to the south end of the Cache Creek weir, and from the north end of the Cache Creek weir upstream 0.79 mile. *Unit 126*

b. Site No. 3 - Placement of stone revetment on the waterside slope of the Yolo Bypass east levee, beginning at the Sacramento Deep Water Channel and running upstream for a distance of 1.55 miles to the Yolo Causeway, U.S. Highway Interstate 80. *Unit 116*

c. This work was performed under the general authority of the Sacramento River Major and Minor Tributaries Flood Control Project, which was authorized by the Flood Control Act of 22 December 1955 (Public Law 534, 78th Congress, 2d Session). *44*

d. The work was completed on 12 August 1964 in accordance with Specification No. 2917, Contract No. DA-04-167-CIVENG-64-74 and Drawing No. 50-4-3735.

The flood control work described above now meets the requirements of the Sacramento River Major and Minor Tributaries Flood Control Project (Supplement of the Sacramento River Flood Control Project) and is hereby transferred to the State of California for operation and maintenance.

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

SPKKO-F
The Reclamation Board

25 AUG 1964

These sites will be added by amendment to the O&M manual, Supplement Nos. 116 & 126, Sacramento River Flood Control Project, and furnished to your office at a later date.

Sincerely yours,

ROBERT E. MATHE
Colonel, CE
District Engineer

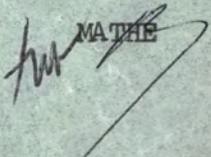
Copy furnished:
Dept Water Resources
O.C.E.
S.P.D.

CC: Engr Div-Lev & Chan
Engr Div-Prog Dev
Valley Resident Ofc
F & A Branch


COLEMAN/PP

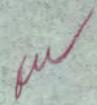

THOMPSON


HARD


MATHE

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Units
116, 126



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THE RECLAMATION BOARD
of the
State of California

C
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June 29, 1962

District Engineer
Corps of Engineers
U. S. Army
P. O. Box 1739
Sacramento, California

Dear Sir:

Reference is made to your letter of June 19, 1962 concerning transfer to the State of California of flood control work consisting of levee rehabilitation and patrol roads on the Sacramento River, American River, and Natomas Canal which was completed on June 15, 1962 in accordance with Specifications No. 2817:

- Item 56d & e Provide patrol road along east levee of Natomas Canal downstream from Arcade Creek with turnaround at upstream end.
- Item 56f Provide patrol road and turnaround on left levee American River from W.P.R.R. upstream to existing road.
- Item 56g Construct turnaround ramp at Old U. S. 40 Floodgate, right bank American River.
- Item 56i Provide patrol road on left bank levee of the Sacramento River from S. P. Shops to Jibboom Street Bridge.
- Item 101-4 Low 100-foot reach on the right bank of the Sacramento River immediately downstream from "I" Street Bridge raised to project grade and provided with standard patrol road.

The Reclamation Board at its meeting of June 21, 1962 formally accepted the above referred to flood control work for operation and maintenance.

Sincerely yours,

/s/ Robert W. James
ROBERT W. JAMES
General Manager and Chief Counsel

EXHIBIT F

Supplement #1

19 JUN 1962

SPKKO-C

The Reclamation Board
State of California
1215 "O" Street
Sacramento 14, California

Gentlemen:

Reference is made to the joint inspection made on 14 June 1962 of flood control work on a unit of the Sacramento River Flood Control Project for the purpose of transferring it to the State of California for operation and maintenance. Reference is also made to Supplement dated 29 November 1957 to the Memorandum of Understanding entered into with the State of California under date of 30 November 1953, covering added items of work required to complete the Sacramento River Flood Control Project.

The flood control work consisting of levee rehabilitation and patrol roads on the Sacramento River, American River and Natomas Canal (items listed below as indicated in the referenced supplement) was completed on 15 June 1962, in accordance with Specifications No. 2817, Contract No. DA-04-167-CIVENG-62-63 and Drawing No. 50-4-3702:

Item 56d & e -- Provide patrol road along east levee of Natomas Canal downstream from Arcade Creek with turnaround at upstream end. 118.2

Item 56f -- Provide patrol road on left levee American River from W.P.R.R. upstream to existing road. 118.1

Item 56g - - Construct road ramp at Old U.S. 40 Floodgate, right bank American River. 118.2

Item 56i -- Provide patrol road on left bank levee of the Sacramento River from S.P. Shops to Jiboom Street Bridge. 118.1

Item 101-4 -- Low 100-foot reach on the right bank of the Sacramento River immediately downstream from "I" Street Bridge raised to project grade and provided with standard patrol road. 116

SFKKO-C
The Reclamation Board

19 JUN 1962

The foregoing supplemental work, having been completed to current standards for the Sacramento River Flood Control Project, is hereby transferred to the State of California for operation and maintenance. A manual for this portion of the project has already been furnished, which adequately covers operation and maintenance requirements for the above items.

A copy of this letter is being transmitted to the Department of Water Resources.

Sincerely yours,

1 Incl
F.C. Reg.

ARTHUR A. BECKER,
Major, CE
Acting District Engineer

Copy furnished:
Dept Water Resources
23rd & "R" Streets
Sacramento, Calif.

O.C.E. w/o incl
S.P.D. w/o incl

cc: Engr Div-Lev&Chan w/o incl
Engr Div-ProDevBr w/o incl
F&A Br w/o incl
Northern Area Ofc w/o incl

6/18/62
KRESTOF

THOMPSON

JONESON

BECKER

REGISTERED MAIL
Return Receipt
Requested

CdeA/rm

12/4/52

SPKKO-P 824.3 (Sac. R. F.C.B.)

4 DEC 1952

The Reclamation Board
State of California
1100 "O" Street
Sacramento, California

Gentlemen:

Reference is made to the District Engineer's letter dated 21 November 1952, wherein it was suggested that a joint inspection be made for the purpose of transferring to the jurisdiction of the State of California, when completed, four units of the Sacramento River Flood Control Project. Reference is also made to the joint inspection of these units of work which was made on 2 December 1952.

In accordance with the above, you are advised that the four levee units mentioned above, which are covered under Specification No. 1636, Drawing 50-4-2897, have been completed, as scheduled, on 29 November 1952. These units are described as follows:

a. Westerly levee of the Sacramento River:

- 348 (1) Part "D", Levee and patrol road, Station 243/25, at Elkhorn Ferry, River Mile 70.9, to Station 543/27, River Mile 76.5. 123
- 349 (2) Part "D", Levee and patrol road, Station 143/70, River Mile 60.75, to Station 171/00, River Mile 61.8 at Bryte's Bend State's Warehouse. 116
- 350 (3) Part "D", Levee and patrol road, Station 76/00, River Mile 59.45 at "I" Street Bridge, to Station 102/50, Mile 59.9. 116

b. Southerly levee of the American River:

- 351 Part "E", Levee and patrol road, Station 19/00 at Jibboom Street Bridge, to Station 102/55 at 16th Street Bridge at Sacramento, California. 118.1

8243 (Sac R. F.C.P.) SPK

80

Levee Sections 348 to 351
Letter No. 40

SPKKO-P 824.3 (Sac. R. F.C.P.)
The Reclamation Board

The levee units referred to above, together with the patrol roads thereon, form an integral part of the Sacramento River Flood Control Project and meet with the requirements of the project. Therefore, said levee units, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented. As provided under paragraph 208.10(10) of these regulations, a maintenance manual covering these levee units is in process of preparation and will be furnished to you upon completion.

A copy of this letter is being transmitted to the State Engineer.

FOR THE DISTRICT ENGINEER:

Copy furnished:
State Engineer
✓ 1120 "N" Street
Sacramento, California

cc: ✓ Office of C. of E.
✓ So. Pac. Div. Eng.
✓ Eng. Div.
✓ Sacto Project Eng.
✓ Service Section
✓ C. deArrieta

Sincerely yours,

Earl G. Peacock
Lt. Col., Corps of Engineers
Executive Officer

Concurrence	
Originator	<i>G. deA</i>
Date	<i>4 Dec. 1957</i>
Exec. O.	<i>AT</i>
Exec. Asst.	
Chief Ad. Asst.	<i>B</i>
Acct. Asst. Exec.	
Audit	
Bud. & Acct.	
Manng.	
Property	
Office Svc.	
Const. Oper.	<i>cmk</i>
Engr'g	
R.E.	
Pers.	
Legal	
Supply	

81



EARL WARREN
GOVERNOR

A. R. GALLAWAY, JR., SACRAMENTO
PRESIDENT
GROVER SHANNON, YUBA CITY
VICE PRESIDENT
GEO. H. HOLMES, CLARKSBURG
SECRETARY
W. P. HARKEY, GRIDLEY
GEO. R. WILSON, WALNUT GROVE
GEO. E. LODI, ARBUCKLE
DOUGLAS B. COHEN, BANTA

THE RECLAMATION BOARD

OF THE
STATE OF CALIFORNIA
1100 O STREET
SACRAMENTO 14, CALIFORNIA

A. M. BARTON
CHIEF ENGINEER AND GENERAL MANAGER
EDMUND G. BROWN, ATTORNEY GENERAL
LEGAL ADVISER
G. F. MELLIN
ASSISTANT ENGINEER AND APPRAISER
S. A. HONAKER
ASSISTANT SECRETARY

April 2, 1952

District Engineer
Sacramento District
Corps of Engineers, U. S. Army
P. O. Box 1739
Sacramento 8, California

Dear Sir:

1. Reference is made to your letter of 6 December 1951, File SPKKA 824.3 (Sac.Riv.F.C.P.) transferring to The Reclamation Board levee reaches on the westerly bank of the Sacramento River and contiguous waterway banks as follows:

- Item 16* a. Mile 59.0 to Lake Washington Barge Canal (partially constructed)
- Item 17* b. Barge Canal to Mile 50.8
- Item 18* c. Mile 50.8 to Mile 50.5
- Item 19* d. Mile 49.85 to Mile 49.4
- Item 20* e. Mile 46.0 to Mile 42.2
- Item 21* f. Mile 42.0 to Mile 41.9 (Elkhorn Slough Inlet Pipe)

2. These reaches of levee with their contiguous banks are on a section of river where navigation is a major factor in levee deterioration. The levees are of themselves ample in cross section for flood control purposes. All of these reaches of levee are now and have been, maintained by local interests who also paid the cost of their construction. Raised low water level of the Sacramento River by Federal operation of Shasta Reservoir has now exposed a new area of the levee and bank section to navigation wave wash. Numerous jetties and other navigation aids on the easterly side of the Sacramento River have caused river currents at low water stages to cut into the westerly bank of the river opposite such navigation installations.

3. The Reclamation Board on December 18, 1951, formally accepted the levee and contiguous waterway bank under Item "a" for flood control operation and maintenance. This

Reach No. 6
Items 16 to 21

4/2/52

824.3 (SAC. F. PCP) SPK

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District Engineer
April 2, 1952

levee is backed by an extensive dredger spoil area constructed with Federal navigation funds. Bank protection in this reach will be required only for navigation operation and maintenance.

17 4. Item "b" is not formally accepted at this time. The levee, constructed by local interests, is ample for flood control purposes and is being maintained by them. Low water bank erosion is occurring, particularly upstream from Mile 50.8, due to jetty diversion of low stream flow against the west bank of the river.

18 5. Item "c", including levee and contiguous waterward bank, was formally accepted by The Reclamation Board on December 18, 1951 for flood control operation and maintenance. This is a separate contract job of bank protection and as such is separately accepted.

19 20 21 6. Items "d", "e" and "f" are not formally accepted at this time. The levees in these reaches are considered to be of ample section for flood control purposes, but the separate reaches do not constitute units for practicable and reasonable operation and maintenance. Reclamation District No. 765 operates and maintains the reach of levee from Mile 51.1 to Mile 49.5. Reclamation District No. 307 operates and maintains the reach of levee from Mile 49.5 to Mile 42.9. Reclamation District No. 999 operates the reach of levee from Mile 42.9 to 41.9. These reaches are separate and district maintenance units created before any Federal participation in flood control costs were authorized. The levees have been constructed at the sole cost of these districts. When Federal construction obligations are complete for these separate reaches formal acceptance of each entire reach will be made by The Reclamation Board.

7. Your particular attention is directed to your letter of February 26, 1952, File SPKGE, wherein you have determined that existing conditions on the Lisbon levee (R.D. 307) near the old Glide Ferry landing, are not critical. Levee failure at this location would place the levee reaches "c" to "f" of paragraph 1 in serious jeopardy.

Yours very truly

THE RECLAMATION BOARD


A. M. BARTON
Chief Engineer and General Manager

AMB:emw

cc: Chief of Engineers, Washington, D.C.
Division Engineer, San Francisco
State Engineer, Sacramento

Items 16 to 21

9

REGISTERED MAIL
Receipt Receipt
Requested

Letter No. 12

12

SPKKA 824,3(Sac. Riv. F.C.P.)

8 DEC 1951

The Reclamation Board
State of California
1100 "O" Street
Sacramento 16, California

Gentlemen:

Reference is made to your letter of 22 June 1951 acknowledging that certain reaches of the levees of the Sacramento River Flood Control Project and the waterway bank contiguous to said levee reaches meet the requirements of the project as authorized prior to the Flood Control Act of 1944.

The levee reaches in question are located as follows:

140. a. Northerly levee of the American River from Jibboom Street Bridge to Sacramento River. 118.2 (?)

b. Easterly levee of the Sacramento River.

Reach 15 141. (1) American River to Natones Out. 60.25 to 79.0 124

Reach No. 11 142. (2) At Moulton Weir. (man 2) 154

143. (3) Mile 158.5 (North End Moulton Weir) to Mile 164.4 (Princeton Ferry). (man 2) ? 134

144. (4) Mile 168.5 to Mile 168.9 (at Dutch City). (man 2) ? 138

c. Westerly levee of the Sacramento River.

145. (1) Mile 59.9 to Mile 60.75. 116

146. (2) Mile 61.8 to Mile 62.65 (at Drye Bend) 116

62.65

Accepted by letter dated 9 March 1953

Letter 12 Items 140 to 198

12

SPKRA 024,5 (Sac. Riv. F.C.P.)
The Reclamation Board

Letter No. 12

12

c. Westerly levee of the Sacramento River, (cont'd)

- ✓ 147. (8) Mile 62.65 to Mile 63.1 (South End Sacramento Weir). 116
- ✓ 148. (4) At Sacramento Weir. 158
- ✓ 149. (5) Mile 63.5 (North End Sacramento Weir) to Mile 67.11. 122
- ✓ 150. (6) Mile 68.42 to Mile 70.9. 122
- ✓ 151. (7) Mile 76.5 to Mile 81.7 (East End Fremont Weir). 123
- ✓ 152. (8) Along Fremont Weir. 157
- ✓ 153. (9) Mile 84.0 (West End Fremont Weir) to Mile 85.3. 128
- ✓ 154. (10) Mile 85.5 to Mile 85.9. 128
- ✓ 155. (11) Mile 87.6 to Mile 88.4. 128
- ✓ 156. (12) Mile 89.2 to Mile 89.8 (Knights Landing Highway Bridge). 128
- ✓ 157. (13) Mile ^{89.2} 89.8 (Knights Landing Highway Bridge) to Sycamore Slough. 89.9 128
- ✓ 158. (14) Mile ^{100.6} 100.6 to Mile 101.4. 128
- ✓ 159. (15) Mile 110.9 to Mile 111.2. 128

Reach No. 5

Reach No. 4

d. Westerly levee of the Feather River.

- Reach 39 ✓ 160. (1) Sutter Bypass to Nicolaus Bridge. 143
- ✓ 161. (2) From a point 3.31 miles northerly from Nicolaus Bridge to the Fifth Street Bridge between Marysville and Yuba City. 143, 144
- Reach 38 ✓ 162. (3) From a point 1,400 feet northerly from the Fifth Street Bridge between Marysville and Yuba City to Station 774+00 "Y.C.N.B." Traverse. 144
- ✓ 163. (4) From a point east of Station 1188+00 "Y.C.N.B." Traverse to high ground just northerly from the Western Canal Headgate. 144

- Reach 42 ✓ 164. a. Easterly levee of the Sacramento River from Natomas Cut to Feather River. 141.1

12

Letter No. 12

12

f. Easterly levee of the Feather River.

- Reach 42 ✓ 165. (1) Sacramento River to a point 2.37 miles southerly from Nicolaus Bridge. 141 Pt 1
- Reach 41 ✓ 166. (2) Bear River to Mile 14.4. } 145
- ✓ 167. (3) Mile 14.4 to Mile 14.7.
- ✓ 168. (4) Mile 14.7 to Mile 21.5.
- ✓ 169. (5) Mile 21.5 to Mile 22.75.
- ✓ 170. (6) Mile 22.75 to Mile 26.5 (Point where levee and S.N.R.R. meet). 145

g. Levees protecting the City of Marysville. All 147

- Reach 43 ✓ 171. (1) From the W.P.R.R. at Simerly Slough easterly to the Yuba River.
- ✓ 172. (2) Along the Yuba River from the "D" Street Bridge to the back levee near the Valley Meat Company.

h. Levees protecting Reclamation District No. 10.

- Reach No. 40 ✓ 173. (1) Northerly levee of Simerly Slough from the W.P.R.R. to the S.P.R.R. 151
- ✓ 174. (2) Easterly levee of the Feather River from Simerly Slough to a point 4.3 miles northerly from Simerly Slough. 151

Reach 46 ✓ 175. i. Northerly levee of the Yuba River from the back levee of the City of Marysville to a point 1.3 miles easterly from said back levee. 147

Reach 47 ✓ 176. j. Southerly levee of the Yuba River from Feather River (i.e. S.N.R.R.) easterly to the S.P.R.R. Main Line. 147

45 ✓ 177. k. Northerly levee of Bear River from Feather River easterly to the W. P.R.R. Interceptor. 145

45 ✓ 178. l. Westerly levee of the W.P.R.R. Interceptor and Clark Slough Interceptor (i.e. back levee of Reclamation District No. 784) from Bear River to the southerly end of the Clark Slough Interceptor. 145

12

SPIKA 824.3 (Sac. Riv. P.C.P.)
The Reclamation Board

Letter No. 12

12

m. Southerly levee of the American River.

Reach
No. 25 ✓

- ✓ 179. (1) Sixteenth Street Bridge to the S.N.R.R. 118.1
- ✓ 180. (2) From a point 800 feet easterly from the W.P.R.R. to Mayhew Station. 118.1

n. Westerly levee of the Yolo Bypass.

- ✓ 181. (1) Sacramento River to Knights Landing Ridge Cut. 127
- ✓ 182. (2) Knights Landing Ridge Cut to the northeast corner of the Cache Creek Settling Basin. 126
- 28 ✓ 183. (3) S.N.R.R. Woodland Branch to a point 1.6 miles southerly from said railroad. 121
- 28 ✓ 184. (4) From a point 1.6 miles southerly from the S.N.R.R. Woodland Branch to the Willow Slough Pipes. 121
- 28 ✓ 185. (5) From a point 1.48 miles southerly from the Willow Slough Pipes to a point 1.9 miles southerly from said pipes. 121
- 28 ✓ 186. (6) From a point 1.9 miles southerly from the Willow Slough Pipes to the Willow Slough Interceptor. 121
- 28 ✓ 187. (7) From the Willow Slough Interceptor to Highway U.S. 40. 120
- ✓ 24 ✓ 188. (8) From Highway U.S. 40 to Putah Creek. 119

27 ✓ 189 o. Easterly and Westerly training levees of Cache Creek Settling Basin from Cache Creek southerly. 126

28 ✓ 190 p. Northerly and Southerly levees of the Willow Slough Interceptor from the S.P.R.R. to the Yolo Bypass. 120

29 ✓ 191 q. Northerly levee of Putah Creek from Yolo Bypass westerly to high ground. 119

✓ 192 r. Southerly levee of Putah Creek from high ground on Dixon Ridge westerly to high ground. 119

s. Southerly levee of Knights Landing Ridge Cut. 127

- 26 ✓ 193 (1) From Yolo Bypass westerly 600 feet. Also covered under Unit 96-A
- 26 ✓ 194 (2) { From a point 2,500 feet westerly from Yolo Bypass to a point 2,900 feet westerly from Yolo Bypass. 127
Also covered under 96-A

12

SPKKA 824.3(Sac.Riv.F.C.P.)
The Reclamation Board

Letter No. 12

12

s. Southerly levee of Knights Landing Ridge Cut. (cont'd)

- 26 ✓ 195 (S) { From a point 3,300 feet westerly from Yolo Bypass to a point 7,100 feet westerly from Yolo Bypass. 127
Also covered under Unit No. 96-A
- 35 ✓ 196 t. That portion of the back or westerly levee of Hastings Tract which runs east and west along the County Road for a distance of approximately one mile. 107
- ✓ 197 u. Northerly levee of Sycamore Slough from Sacramento River to Knights Landing Outfall Gates. 130
- ✓ 198 v. Southerly levee of Sycamore Slough from Sacramento River to Knights Landing Outfall Gates. 132

The records of this office show that your Board has accepted the levees and/or works covered by Items b.(1), b.(2), b.(3), c.(2), c.(4), c.(8), c.(11), c.(12), c.(14), d.(1), d.(3), d.(4), f.(3), f.(5), g., h., i., l., m., n.(1), n.(2), n.(3), n.(6), n.(7), n.(8), o., p., q., r. and s.(1) above, as complete. Accordingly the waterway bank contiguous to said Items is hereby transferred to the State of California for maintenance and operation.

The levee covered by Items a., b.(4), c.(1), c.(3), c.(5), c.(6), c.(7), c.(9), c.(10), c.(13), c.(15), d.(2), e., f.(1), f.(2), f.(4), f.(6), j., k., n.(4), n.(5), s.(2), s.(3), t., u. and v., above, although complete has not been formally transferred as contemplated by the Project documents. Accordingly the levee covered by said Items, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented. As provided under paragraph 208.10(10) of these regulations, a maintenance manual covering these works is in process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transmitted to the State Engineer.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

Copy Furnished:
Office, Chief of Engrs.
So. Pac. Div. Engr.
State Engineer
Engr. Div. (2)
C. de Arrieta

H. R. Reifsnnyder
Lt. Colonel, Corps of Engineers
Executive Officer

12

REGISTERED MAIL
Return Receipt
Requested

Letter No. 5

5

SPREA 824.3(Sac. Riv. F.C.P.)

6 DEC 1951

The Reclamation Board
State of California
1100 "O" Street
Sacramento 14, California

Ref: Recl. Board letter of 2 April 1952:
Items (16) and (18) were formally accepted by the Board
on 18 Dec. 1951. Item (16) was also accepted on 18 May 1951
and item (18) on 22 Dec. 1948.
Remaining items are considered by the Board not practicable
for maintenance because they are ~~separate items~~
not contiguous.
Formal acceptance will be made by the Board of these
reaches of levee when Federal obligations are completed.

Gentlemen:

Reference is made to your letter of 6 June 1951 acknowledging that certain reaches of the levees of the Sacramento River Flood Control Project and the waterway bank contiguous to said levee reaches meet the requirements of the project as authorized prior to the Flood Control Act of 1944.

The levee reaches in question are the westerly levee of the Sacramento River at the following locations:

- ✓ 16. a. Mile 59.0 (Tower Bridge) to Proposed Lake Washington Barge Canal. ^{57.0} Bank protection will be required for navigation only. 116
- ✓ 17. b. Proposed Lake Washington Barge Canal to Mile 50.8. 114, 116
- ✓ 18. c. Mile 50.8 to Mile 50.5. 114
- ✓ 19. d. Mile 49.65 to Mile 49.4. 114
- ✓ 20. e. Mile 46.0 to Mile 42.2. 114, 113
- ✓ 21. f. Mile 42.0 to Mile 41.9 (Alkhorn Slough Inlet Pipes). 113

The records of this office show that on 18 May 1951 your Board accepted the levee covered by Item a. above as complete and on 22 December 1948 your Board accepted the levee covered by Item c. above as complete. Accordingly, the waterway bank contiguous to said Items a. and c. is hereby transferred to the State of California for maintenance and operation.

Reach No. 6
Items 16 to 21

SPRKA 824.3(Sac.Riv.F.C.P.)
The Reclamation Board

Letter No. 5

5

The levee covered by Items b., d., e., and f., above, although complete has not been formally transferred as contemplated by the Project documents. Accordingly, the levee covered by said Items b., d., e., and f., together with the waterway bank contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 5 of the Act of Congress approved 22 June 1936, as amended and supplemented. As provided under paragraph 208.10(10) of these regulations, a maintenance manual covering these works is in process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transmitted to the State Engineer.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

Copy Furnished:
Office, Chief of Engrs.
So. Pac. Div. Engr.
State Engineer
Engr. Div. (2)
C. de Arrieta

H. R. Reifsnyder
Lt. Colonel, Corps of Engineers
Executive Officer

DEC 5 1950
HBD

5

REGISTERED MAIL
Return Receipt
Requested

Letter No. 3

3

SPKHA 824.5(Sac.Riv. F.C.P.)

4 DEC 1951

Refer. Recl. Board letter dated 2 April 1952.

The Board accepted Item No. 9 on 18 Dec. 1951 with the condition that the Federal Gov. complete the enlargement of the levee with no obligation for the State to maintain the banks along the Sacramento Deep Water Channel.

The Board also accepted Items No. 10 and 11 on 18 Dec. 1951, without reservations other than an statement indicating that flatter slopes on this levees are not required.

The Reclamation Board
State of California
1100 "O" Street
Sacramento 14, California

Item No. 9 was previously accepted on 6 June 1951,

Gentlemen:

Reference is made to your letter of 18 May 1951 acknowledging that certain reaches of the levees of the Sacramento River Flood Control Project and the waterway bank contiguous to said levee reaches meet the requirements of the project as authorized prior to the Flood Control Act of 1944.

The levee reaches in question are located as follows:

- Reach No. 32 9 a. Westerly levee of the Yolo Bypass from Fremont Weir to Miner Slough. 127, 126, 121, 120, 119, 109, 107, 105 accepted 6-6-51
- Reach No. 32 10 b. Northerly levee of Sacramento Bypass. 122
- Reach No. 33 11 c. Southerly levee of Sacramento Bypass. 116

The records of this office show that on 6 June 1951 your Board accepted the levee covered by Item a, above as complete. Accordingly, the waterway bank contiguous to said Item a, is hereby transferred to the State of California for maintenance and operation.

The levee covered by Items b, and c, above although complete has not been formally transferred as contemplated by the Project documents. Accordingly, the levee covered by said Items b, and c., together with the waterway bank contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing

Reaches 32 and 33
Items 9 to 11

3

C. de ARRIETA

Mile 0 to 50
" 50 to 106

Letter No. 3

3

SPEEA 824.3(Sac.Riv.F.C.P.)
The Reclamation Board

Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented. As provided under paragraph 206.10(10) of these regulations, a maintenance manual covering these works is in process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transmitted to the State Engineer.

Sincerely yours,

C. C. Haug
Colonel, Corps of Engineers
District Engineer

Copy Furnished:
Office, Chief of Engrs.
So. Pac. Div. Engr.
State Engineer
Engr. Div. (2)
D. de Arrieta

3

Sac Riv FC Proj.
Pending Transf to
Recl. Bd.

Mrs. Thompson

[Signature]

PSKED-7

FEB 2 1951

*See also
letters dated
16 Feb. 1951. and 18 April 1951
attached.*

The Reclamation Board
1100 "G" Street
Sacramento 14, California

Gentlemen:

Reference is made to letter from this office dated 24 March 1950 in reply to a letter from your Board dated 27 February 1950 concerning surveys to determine the status of levees in the Sacramento River Flood Control Project with a view to transferring those levees in the project that are complete to project standards. It was stated that as surveys progress it was proposed to transfer units of the project found to conform to project standards in order that the provision of State Law regarding maintenance can be placed in effect at the earliest practicable time. Reference is also made to letter dated 26 January 1951 from the Division Engineer, South Pacific Division to the Board involving the foregoing as well as other matters relative to the project.

Pursuant to the above, investigation has been made of those portions of the easterly and westerly levees of Yolo By-pass that were completed between the years 1931 to 1935 and which heretofore have not been turned over formally to your Board for maintenance in accordance with present day practices. The levees under consideration are:

- Unit No. 56A a. Easterly levee of Yolo By-pass from Minor Slough to Yolo Causeway. Covers Map Ref. No. 145-146 and 175. and 174 113, 116
- Unit No. 57A b. Easterly levee of Yolo By-pass from Yolo Causeway to South-ern Pacific Railroad. Covers Map Ref. No. 147 116
- Unit No. 58A c. Easterly levee of Yolo By-pass from Sacramento By-pass to a point approximately 2 miles south of Fremont weir. Covers Map Ref. No. 121-140 and 142 122, 123
- Unit No. 59A d. Westerly levee of Yolo By-pass from a point approximately 109

144 not included, Why not?

Units No. 56A-57A-58A-59A and 60A.

8-5-508

PSKNO-P
The Reclamation Board

FEB 2 1951

1 mile north of the Yolo-Solano County line to a point approximately
 $\frac{1}{2}$ mile south of Yolano.
Covers Map Ref. No. 186-188 and portion of 185 which is between 186 and 188.

It is realized that certain features of these levees do not conform to the revision in project standards for Yolo By-pass authorized by the 1944 Flood Control Act, however, it is believed that a distinction should be made in this case between that authorization and the previous legislation known as the "Old" Sacramento Flood Control Project. Those parts of the levee that require additional construction authorized by the 1944 Flood Control Act will be completed to those standards in due course of time.

Maintenance manuals covering these units are in process of preparation and will be furnished your Board upon completion.

Accordingly, the levee units discussed herein are hereby transferred to the State of California for maintenance and operation. Acknowledgment of acceptance at an early date would be appreciated.

Sincerely yours,

G. C. HADG
Lt. Colonel, Corps of Engineers
District Engineer

cc: W. K. South
R. W. Barsdale
Engr.
✓ R. H. Thompson

O.C.E.
Div, Engr.

R E S O L U T I O N

PASSED AND ADOPTED BY THE RECLAMATION BOARD

DECEMBER 5, 1946

- - - - -

WHEREAS The Reclamation Board has heretofore approved of an item of "new construction" being the West Levee of the Sacramento River at Brytes Bend, in Reclamation District No. 811, Yolo County; and

WHEREAS the War Department, Corps of Engineers, District Engineer, Sacramento District, under date of 20 November 1946, has notified The Reclamation Board of the completion of such levee enlargement, set back and construction and has transferred such levee to the State of California for maintenance and operation by the proper local interests; and

WHEREAS the Chief Engineer of The Reclamation Board has caused to be made an inspection on the ground of an item of new construction as specified above, and has found and determined that such work, as completed, has been prosecuted and carried out in conformance with plans and specifications therefor; now therefore be it

RESOLVED AND ORDERED that The Reclamation Board does hereby accept for the State of California the said item of "new construction" as aforesaid, which has on the date above set forth been transferred to said Board by the War Department, U. S. District Engineer; and be it further

RESOLVED AND ORDERED that the West Levee of the Sacramento River at Brytes Bend, together with the berms and appurtenant structures thereof be turned over to Reclamation District No. 811 for maintenance and operation, as the legally authorized function of said District.

- - - - -

STATE OF CALIFORNIA)
COUNTY OF SACRAMENTO) ss.
Office of The Reclamation Board)

116

I, S. A. HONAKER, Assistant Secretary of The Reclamation

Exhibit "F" #9

Board, do hereby certify that the above and foregoing is a true and correct copy of a Resolution made by said Board at its meeting held December 5, 1948.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of The Reclamation Board this 11th day of December, 1946.

/s/ S. A. Honaker 
S. A. HONAKER
Assistant Secretary
The Reclamation Board

~~XXXXXXXXXX~~(Seal)

116

49

PEKKG-AA

20 November 1946

SUBJECT: Maintenance of the West Levee of
Sacramento River at Brytes Bend

The Reclamation Board
1100 "O" Street
Sacramento, California

Gentlemen:

Construction has been completed of the West Levee of the Sacramento River at Brytes Bend. Therefore, in accordance with established procedure, this portion of completed levee is hereby transferred to the State of California for maintenance.

This construction forms an integral part of the Sacramento River Flood Control Project. The details and extent of the work are shown on inclosed drawing No. 50-4-2275, in two sheets, entitled "Proposed Levee Construction, West Levee, Sacramento River, at Brytes Bend."

There is also inclosed a copy of Flood Control Regulations prescribed by the Secretary of War pursuant to the provisions of Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented, to govern the maintenance and operation of flood control works, of which the levee referred to is a part. In accordance with paragraph 208.10(10) of said regulations, at a later date this office will furnish your Board and local interests with an operation and maintenance manual to assist in carrying out their obligation established by these regulations.

For the records of this office, acknowledgement of receipt of this letter is requested on or before 23 December 1946.

Copy of this letter, with inclosures, is being transmitted to the State Engineer.

*Accepted
11 Dec. 1946.*

2 Incls.
Dwg. 50-4-2275(in 2 sheets)
Flood Control Regulations

Copy, with inclosures, furnished:

The State Engineer
Sacramento, Calif.

cc: CdeA(w/d.)

116
Man. #9

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA

March 11, 1953

District Engineer
Sacramento District
U. S. Corps of Engineers
P.O. Box 1739
Sacramento, California

Dear Sir:

Reference your letters File No. SPKKO-P 824.3 (Sac R.F.C.P.) dated 1 December 1951, 3 December 1951, 4 December 1951, three letters dated 6 December 1951, 7 December 1951 and six letters dated 8 December 1951. Subject letters transferred to the Reclamation Board for operation and maintenance, various levee units of the Sacramento River Flood Control Project.

The Reclamation Board at its 16 December 1951 meeting, on behalf of the State of California, accepted certain of the transferred units together with their contiguous waterway banks for operation and maintenance, and rejected others. A tabulation of the units so accepted or rejected is attached hereto.

Yours very truly,

THE RECLAMATION BOARD
A. M. BARTON
Chief Engineer and General Manager

/s/ By D. M. Carr
D. M. CARR

December 18, 1951

The Board accepted the transfer from the Corps of Engineers, in letters listed below, the following reaches of levees and their contiguous waterway banks where applicable for flood control operation and maintenance, as complete and meeting the requirements of the Sacramento River Flood Control Project.

<u>NO.</u>	<u>DATE OF LETTER</u>	<u>LEEVE LOCATION</u>	<u>REMARKS</u>
5	6 Dec 1951	W. Levee Sacramento River Mile 59.0 to Lake Washington Barge Canal	Maintained by R.D. No. 900
1	1 Dec 1951	-----	-----
11	8 Dec 1951	West Levee Sacramento River Mile 61.8 to Mile 62.65	Maintained by Maintenance Area No. 4 Completed Contract.
11	8 Dec 1951	W. Levee Sacramento River -- Mile 62.65 to Mile 63.1	Maintained by R.D. No. 537. Completed Contract.
11	8 Dec 1951	-----	-----

NOTE: Only items pertaining to Operation and Maintenance Manual No. 116 are included in the above copy.

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA

January 8, 1953

District Engineer
Sacramento District
U. S. Corps of Engineers
P. O. Box 1739
Sacramento, California

Dear Sir:

Reference your letter, File No. SPKKO-P 824.3 (Sac. R.F.C.P.)
dated 4 December 1952.

The Reclamation Board at its meeting December 16, 1952, accepted,
on behalf of the State of California, the levee units herein described,
and their contiguous, waterway banks, for operation and maintenance.

a. Westerly levee of the Sacramento River.

(1) Part "D", _____.

(2) Part "D", Levee and Patrol Road, Station 143+70, River
Mile 60.75, to Station 171+00, River Mile 61.8 at Bryte Bend State Ware-
house.

(3) Part "D", Levee and Patrol Road, Station 76+00, River
Mile 59.45 at "I" Street Bridge, to Station 102+50, Mile 59.9.

b. _____.

Yours very truly,

THE RECLAMATION BOARD
A. M. BARTON
Chief Engineer and General Manager
/s/ By D. M. Carr
D. M. CARR

Note: Only items pertaining to Operation and Maintenance Manual No. 116
are included in the above copy.

EXHIBIT F
Sheet 3 of 9

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA

April 2, 1952

District Engineer
Sacramento District
Corps of Engineers, U. S. Army
P. O. Box 1739
Sacramento 8, California

Dear Sir:

1. Reference is made to your letter of 4 December 1951, File SPKKA 824.3 (Sac. F.C.P.) transferring levee reaches and waterway banks contiguous thereto, to The Reclamation Board, located as follows:

a. Easterly levee of the Yolo Bypass from Fremont Weir to Miner Slough.

b. _____.

c. Southerly levee of Sacramento Bypass.

2. There are no contiguous waterway banks to the above reaches of levee other than the levees themselves and the adjoining bypass areas. Since enactment of Chapter 774, California Statutes of 1927, maintenance of the bypass areas has been and obligation of the State of California.

3. The easterly levee of the Yolo Bypass was principally constructed by local interest funds. The Federal work on this levee has been shaping of the same and providing uniform slopes, mainly three horizontal to one vertical on the waterward side. A short section of levee from Fremont Weir southerly, has been constructed to four to one waterward slopes. The remainder of the levee does not have this standard section. A considerable length of this levee will be the waterward bank of the Sacramento Deep Water Channel. The Reclamation Board can not assume any obligation as to that portion of the waterward bank of the Yolo Bypass east levee, which is also the waterward bank of the ship channel project. Maintenance of this levee has continuously since its construction been an obligation of local interests. The State of California under Section 8361 of the Water Code of California now maintains the northerly two miles of this levee. The remainder is maintained by the following local Reclamation Districts: 1600, 827, 785, 537, 900, 765, and 999. Formal acceptance of the levee by the Reclamation Board on December 18, 1951, is conditioned on

the Federal obligation to complete the levee to the authorized cross section and no State obligation to maintain any of the Sacramento Deep Water Channel.

4. The north and south levees of the Sacramento Bypass itself were entirely constructed by local interests moneys. Maintenance and operation thereof is an obligation of the State under Section 8361 of the Water Code. No Federal funds have ever been spent upon this portion of the project. The Flood Control Act of 22 December 1944 calls for flattening of the slopes of these levees to the four to one and three to one authorized section. This work is not required. The Reclamation Board on December 18, 1951, formally accepted these levees and this bypass as complete.

Yours very truly,

THE RECLAMATION BOARD

/s/ By A. M. Barton

A. M. BARTON

Chief Engineer and General Manager

NOTE: Only items pertaining to Operation and Maintenance Manual No. 116 are included in the above copy.

Registered Mail
Return Receipt
Requested

SPKKA 824.3 (Sac Riv F.C.P.)

8 December 1951

The Reclamation Board
State of California
1100 "O" Street
Sacramento 14, California

Gnetlemen:

Reference is made to your letter of 22 June 1951 acknowledging that certain reaches of the levees of the Sacramento River Flood Control Project and the waterway banks are contiguous to said levee reaches meet the requirements of the project as authorized prior to the Flood Control Act of 1944.

The levee reaches in question are located as follows:

- a. _____
- b. _____
- (1) _____
- c. Westerly levee of the Sacramento River.
 - (1) Mile 59.9 to Mile 60.75.
 - (2) _____

The levee covered by items a, b(4), c(1), _____ above, although complete has not been formally transferred as contemplated by the project documents. Accordingly the levee covered by said items, together with the waterway banks contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing

Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented. As provided under paragraph 208.10(10) of these regulations, a maintenance manual covering these works is in process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transmitted to the State Engineer.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

H. R. REIFSNYDER
Lt. Colonel, Corps of Engineers
Executive Officer

NOTE: Only item pertaining to Operation and Maintenance Manual No. 116 is included in the above copy.

Registered Mail
Return Receipt
Requested

SPKKA 824.3 (Sac. Riv. F.C.P.)

6 December 1951

The Reclamation Board
State of California
1100 "O" Street
Sacramento 14, California

Gentlemen:

Reference is made to your letter of 6 June 1951 acknowledging that certain reaches of the levees of the Sacramento River Flood Control Project and the waterway banks contiguous to said levee reaches meet the requirements of the project as authorized prior to the Flood Control Act of 1944.

The levee reaches in question are the westerly levee of the Sacramento River at the following locations:

- a. _____.
- b. Proposed Lake Washington Barge Canal to Mile 50.8.
- c. _____.

The levee covered by items b, d, e, and f, above, although complete has not been formally transferred as contemplated by the project documents. Accordingly, the levee covered by said items b, d, e and f, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of The Army pursuant to Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented. As provided under paragraph 208.10(10) of

these regulations, a maintenance manual covering these works is in process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transmitted to the State Engineer.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

H. R. REIFSNYDER
Lt. Colonel, Corps of Engineers
Executive Officer

NOTE: Only item pertaining to Operation and Maintenance Manual No. 116 is included in the above copy.

EXHIBIT "G"

SUGGESTED SEMI-ANNUAL REPORT FORM

TO: The District Engineer
Sacramento District
Corps of Engineers
1209 - 8th Street
Sacramento, California

(1 May 19__)
(1 Nov 19__)

Dear Sir:

The Semi-annual report for the period (1 May 19__ to 31 October 19__) (1 November 19__ to 30 April 19__) Sacramento River Flood Control Project, Supplemental Manual Unit No. 116, the west levee of the Sacramento River from Sacramento Weir to mile 51.2 and south levee of the Sacramento Bypass and east levee of Yolo Bypass from Sacramento Bypass to south boundary of Reclamation District No. 900 is as follows:

a. The physical condition of the protective works is indicated by the inspector's report, copies of which are inclosed, and may be summarized as follows:

(Superintendent's summary of conditions)

It is our intention to perform the following maintenance work in order to repair or correct the conditions indicated:

(Outline the anticipated maintenance operations for the following 6 months.)

b. During this report period, major high water periods (water level at Sacramento Weir gage at 29.0, at "I" Street at 25.0 and/or 222.0 at west end of north levee of Sacramento Bypass) occurred on the following dates:

<u>Dates</u>	<u>Maximum Elevation</u>
_____	_____
_____	_____
_____	_____

Comments on the behavior of the protective works during such high water periods are as follows:

(Superintendent's log of flood observations)

