UNIT NO. 13 OF THE
SACRAMENTO RIVER
FLOOD CONTROL PROJECT
SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE
MANUAL
WEST LEVEE FEATHER RIVER
OPPOSITE RIO BONITO STATION UPSTREAM 3.5 MILES

SACRAMENTO DISTRICT
CORPS OF ENGINEERS
DEPARTMENT OF THE ARMY
SACRAMENTO, CALIFORNIA
Unit No. 13 of the
Sacramento River Flood Control Project
West Levee of the Feather River, Opposite Rio Bonito station
upstream 3.5 miles

Supplement to
Standard
Operation and Maintenance Manual

Sacramento District
Corps of Engineers
Department of the Army
Sacramento, California
Unit No. 13 of the
Sacramento River Flood Control Project
West Levee of the Feather River, Opposite Rio Bonito station
upstream 3.5 miles

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Exhibits

'B' As Constructed Drawings No. 4-4-282, in 3 sheets, dated June 1946

'E' Check List No. 2, in 1 sheet

'P' Resolution adopted by The Reclamation Board 7 April 1948
UNIT NO. 13 OF THE
SACRAMENTO RIVER FLOOD CONTROL PROJECT
SUBJECT TO FLOOD CONTROL REGULATIONS

1. Levees

(a) Description. Unit No. 13 of the flood control works described below forms an integral part of the Sacramento River Flood Control Project. It consists of a portion of the West Levee of the Feather River from opposite Rio Bonito station upstream 3.5 miles as shown on the attached Drawings 4-4282, 3 sheets, and dated June 1946.

Under the program provided by the Sacramento River Flood Control Project a portion of this levee has been enlarged, a setback portion has been built as indicated on Exhibit "B" Plate 3 and a gravel road surfacing has been applied. Construction also included turnouts, necessary drainage structures, road approaches and appurtenances. All the structures are listed in Exhibit "E".

(b) Location. The levee is located along the westerly bank of the Feather River from opposite Rio Bonito station upstream 3.5 miles, and is approximately 65 miles northerly of Sacramento, California. The project extends from Sta. 117+400 to Sta. 0+00 and from Sta. 107+400 to Sta. 184+00, a total distance of 19,400 feet.

(c) Protection Afforded. This levee provides direct protection against high water of the Feather River and its tributaries in this area. The grade of the adopted flood plane along the main channel of the Feather River varies from Elevation 131.0 at the lower end to Elevation 149.0 at the upper end. (All elevations are referred to U.S.C.E. Datum). The levee grade provides a freeboard of three feet above the flood plane. It is estimated that a flood flow of 170,000 second feet in the main channel of the Feather River in this area will produce the adopted flood plane. Such a flow is not expected to occur more than once in 14 years.

(d) Contractor. The construction work on the levee described above was done by Excavators, Inc., Contractors, under Contract No. W-04-167-eng-1240, a copy of which is on file in the U.S. Corps of Engineers' office, Sacramento District, Sacramento, California.

(e) Beginning and Completion of Construction. Construction was started on 4 April 1947, and completed on 19 December 1947.

(f) Outstanding Construction Features. In general, all construction features are based on Standard plans and specifications, and the details are fully covered in the attached drawings listed below. (See Exhibit "B").
2. Maintenance and Operation. The levee and drainage structures referred to above should be maintained and operated in accordance with the provisions covered under the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project, copies of which may be obtained from office of the District Engineer, Corps of Engineers, Sacramento, California.

The responsibility for the maintenance and operation of this unit of levee was accepted by the Reclamation Board of the State of California on 7 April 1948, as shown on the attached resolution, Exhibit "F".
CHECK LIST NO. 2

Drainage structures located along the westerly bank of the Feather River, opposite Rio Bonito station and upstream 3.5 miles, approximately 65 miles northerly of Sacramento, California, as shown on Drawing No. 4-4-282 in 3 sheets.

HIGHWATER PERIOD. This term is used under Paragraph 4-02(c) 3b of the Standard; it applies to flood rising above the reading of 102.0 on the Division of Water Resources station gage located on the left bank of Feather River on downstream side of abutment of bridge on Gridley-Oroville Road two and one-half miles east of Gridley. Continuous water stage recorder and staff gage set on U.S.C.E. Datum. Zero of this gage is set to Elevation 0.0 U.S.C.E. Datum.

<table>
<thead>
<tr>
<th>Location :Corr.: Gates: Frame: Steel:</th>
<th>Other Structure Description</th>
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</tr>
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<tr>
<td>C/L Sta. 20/20 24&quot; 100 - -</td>
<td>Constructed 2 corrugated metal cut-off walls and reinforced concrete saddle and apron.</td>
<td>124.0</td>
</tr>
<tr>
<td>C/L Sta. 40/475 24&quot; 101 138.7 -</td>
<td>Constructed 2 corrugated metal cut-off walls and reinforced concrete saddle and apron.</td>
<td>122.7</td>
</tr>
<tr>
<td>C/L Sta. 57/65 to - - 14&quot;</td>
<td>14&quot; Pipe parallels levee on R.S. and empties into sump at Hazelbush's Pump.</td>
<td>128.45 R.S.</td>
</tr>
<tr>
<td>60/25</td>
<td>10&quot; Pipe goes through levee at Hazelbush Pump. Approx. Sta. 60/25.</td>
<td>127.46 L.S.</td>
</tr>
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EXHIBIT "E"
Sheet 1 of 1 sheet
RESOLUTION
PASSED AND ADOPTED BY THE RECLAMATION BOARD
APRIL 7, 1948

WHEREAS The Reclamation Board has heretofore approved a certain item of "new construction"; consisting of the enlargement, setback and reconstruction of the west levee of the Feather River from opposite Rio Bonito Station upstream 3.5 miles, and

WHEREAS the Department of the Army, Corps of Engineers, District Engineer, Sacramento District, under date of March 18, 1948, has notified The Reclamation Board of the completion of said item of levee enlargement, setback and reconstruction, and has transferred said portion of levee to the State of California for maintenance and operation; and

WHEREAS the Chief Engineer of The Reclamation Board has caused to be made an inspection on the ground of the 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 Department of the Army, U. S. District Engineer; and be it further
RESOLVED AND ORDERED that the west levee of the Feather River from opposite Rio Bonito Station upstream 3.5 miles, together with the berms and appurtenant structures thereof, be and the same is hereby turned over to the Department of Public Works, acting by and through the State Engineer, for maintenance and operation, as the legally authorized function of said State Engineer, pursuant to the provisions of the Water Code of the State of California.

STATE OF CALIFORNIA )
COUNTY OF SACRAMENTO ) SS
Office of The Reclamation Board )

I, S. A. HONAKER, Assistant Secretary of the Reclamation Board, do hereby certify that the attached is a true and correct copy of a Resolution passed and adopted by said Board at its meeting held April 7, 1948.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of The Reclamation Board, this 15 day of April, 1948.

/s/ S. A. Honaker
S. A. HONAKER
Assistant Secretary

Exhibit "F"