Consider approval of Permit No. 19298 (Attachment A).

2.0 - APPLICANT

California Department of Transportation (Caltrans).

3.0 – PROJECT LOCATION

The project is located where State Route 70 (SR 70) crosses Simmerly Slough, approximately 0.75 miles north of Marysville and 0.1 miles south of Laurellen Road. (Simmerly Slough, Yuba County, Attachment B)

4.0 – PROJECT DESCRIPTION

Caltrans proposes to:

- Remove the existing State Route 70 (SR 20) Bridge (No. 16-0019) once the new bridge is constructed;
- Construct a new Bridge on SR 70 just downstream and west of the existing bridge. The bridge will be a pre-stressed concrete box girder bridge with a sidewalk approximately 86 feet wide and 1061 feet long; and
- Realign the roadway to match the new bridge alignment (Attachment C).

5.0 – AUTHORITY OF THE BOARD

California Water Code § 8534, 8590 – 8610.5, and 8700 – 8710
California Code of Regulations, Title 23, Division 1 (Title 23):

- § 6, Need for a Permit
- § 13.3, Consent Calendar
- § 112, Streams Regulated and Nonpermissible Work Periods
- § 121, Erosion Control
- § 128, Bridges

6.0 - PROJECT ANALYSIS

Simmerly Slough is part of the Sacramento River Flood Control System and is listed as a regulated stream in California Code of Regulations, Title 23, Division 1 (Title 23), Section 112, Table 8.1. There is a project levee on north side of Simmerly Slough at this location. The Simmerly Slough Bridge (No. 16-0019) was constructed in 1957 and is at the end of its service life.

The new bridge will be constructed on lands owned by the Sacramento San Joaquin Drainage District (SSJDD). Possessory rights will be provided as either an easement or through a Transfer of Jurisdiction (TOJ) with reservations included that protect the existing and superior rights of SSJDD.

The proposed work consists of:

1. Construct a parallel structure to the west of the existing bridge on SR 70. The proposed structure will be constructed offline to the west of the existing bridge to facilitate stage construction.
2. Changes will be made to the existing roadway geometric features by shifting the alignment west and raising the road profile.
3. The Marysville Ring Levee at the south end of the project has an existing floodgate that must be installed during high flow events on the Feather River by the Marysville Levee District. Raising the road profile will eliminate the need of the floodgate on the Marysville Ring Levee.
4. Remove the existing bridge after completion of the new bridge to include; removing piling, piers, abutments, footings, and pedestals.

The proposed project meets all applicable Title 23 standards.
Construction Sequence:

First Year

- Place fill and construct new Laurellen Road intersection
- Remove floodgate on Marysville Ring Levee
- Construct abutments and columns

Second Year

- Construct bridge soffit and deck
- Shift traffic to new structure
- Remove old deficient structure
- Construct new access road for RD 10 off Laurellen Road

6.1 – Hydraulic Analysis

A hydrology and hydraulics analysis was performed to determine the potential impacts, if any, as a result of the proposed alterations to the State Route 70 Bridge at Simmerly Slough. The United States Army Corps of Engineer’s Common Features HEC-RAS model (Release 5) was used as the basis for the hydraulic analysis. Information from the California Department of Water Resources’ Central Valley Floodplain Evaluation and Delineation HEC-RAS model was used to close data gaps in the Common Features model along Simmerly Slough.

In addition, geometry representing the proposed State Route 70 Bridge was added. To support the hydraulic analysis, Caltrans’ consultant used the unsteady state hydrology developed by the USACE for the 0.5-, 0.1-, 0.04-, 0.02-, 0.01-, 0.005-, and 0.002-percent chance exceedance probability events without any modifications. This hydrology is based on the synthetic hydrology used in the Sacramento-San Joaquin Rivers Comprehensive Study. The design water surface (DWSE) in Simmerly Slough is approximately elevation 80.57 feet. There is no published design flow for Simmerly Slough, perhaps because flooding in this reach is governed primarily by backwater from the Feather River, rather than the relatively small contributions of the local tributary watershed. The results of the analysis showed that the Project results in almost no change to maximum water levels at any of the studied index points and that the Project’s potential to transfer risk to other parts of the system is negligible.

(Attachment D) Further, the new replacement bridge will increase the clearance between the DWSE and the bridge soffit from 1.5 feet to 7.21 feet. Therefore, there are no anticipated adverse impacts to the flood system as a result of the proposed project.
6.2 – Geotechnical Analysis

A geotechnical analysis was conducted at this location by Caltrans staff. Based on the geotechnical analysis, the existing columns are perched on both banks with significant amounts of scour. The existing columns were also found to be buckling. The soil analysis recommended removing the old abutments and using engineered fill for the new bridge structure.

Based on the geotechnical analysis, there are no anticipated negative impacts to the levee as a result of the proposed project. The proposed project will improve the flood control system by addressing the erosion and scour locations around the existing bridge abutments.

7.0 – AGENCY COMMENTS AND ENDORSEMENTS

The comments and endorsements associated with this project, from all pertinent agencies, are shown below:

- Reclamation District 10 endorsed the application on April 30, 2018 and has provided a list of conditions. (Attachment E)
- Marysville Levee District endorsed the application on April 3, 2018 and has provided a list of conditions. (Attachment E)
- The USACE 33 U.S.C. 408 approval letter has not yet been received for this application. Staff anticipates receipt of a letter indicating that the USACE Sacramento District Engineer approves the request to alter the Federal flood risk reduction project, subject to conditions. Upon receipt of the letter, staff will review to ensure its conformity with the permit language and will attach the 408 approval letter to the permit as Exhibit A.

8.0 – CEQA ANALYSIS

Board staff has prepared the following California Environmental Quality Act (CEQA) determination:

The Board, as a responsible agency under CEQA, has reviewed the Initial Study, Mitigated Negative Declaration (IS/MND) (SCH No. 2016122058, June 2017) for the Simmerly Slough Bridge Replacement Project, prepared by the lead agency, Caltrans. These documents, including project design, may be viewed or downloaded from the Central Valley Flood Protection Board website at http://cvfpb.ca.gov/event/January-
Caltrans determined that the project would not have a significant effect on the environment, and on September 18, 2017, filed a Notice of Determination with the State Clearinghouse. Caltrans made revisions to the project and/or incorporated mandatory mitigation measures into the project plans to avoid impacts or to mitigate such impacts to a point where no significant adverse impacts will occur. These mitigation measures are included in the Caltrans’s IS/MND and address impacts to biological resources and geology and soils. The mitigation measures are further described in Caltrans’ approved IS/MND.

In accordance with CEQA Guidelines Section 15096(e), Board staff independently reviewed Caltrans' IS/MND, and finds these environmental documents prepared by the lead agency adequately address hydrology impacts, including potential flood risk, within the Board’s jurisdiction. The Board, as a responsible agency, is responsible for mitigating and avoiding only the direct and indirect environmental effects of those parts of the project which it decides to carry out, finance, or approve (CEQA Guidelines § 15096(g); Public Resources Code § 21002.1(d)). In accordance with CEQA Guidelines Section 15096(f) and (g), staff recommends the Board make responsible agency findings that approval of Permit No. 19298 would not have a significant adverse impact and no additional mitigation measures within the Board’s jurisdiction are required.

The documents and other materials which constitute the record of the Board’s proceedings in this matter are in the custody of the Executive Officer, Central Valley Flood Protection Board, 3310 El Camino Ave., Suite 170, Sacramento, California 95821.

9.0 – CA WATER CODE SECTION 8610.5 AND OTHER CONSIDERATIONS

1. Evidence that the Board admits into its record from any party, State or local public agency, or nongovernmental organization with expertise in flood or flood plain management:

The Board will make its decision based on the evidence in the permit application and attachments, this staff report, and any other evidence presented by any individual or group.

2. The best available science that relate to the scientific issues presented by the executive officer, legal counsel, the Department of Water Resources or other parties that raise credible scientific issues.
The accepted industry standards of hydrology and hydraulics for the work proposed under this permit as regulated by Title 23 have been applied to the review of this permit.

3. Effects of the decision on facilities of the State Plan of Flood Control (SPFC).

The proposed project is expected to result in no adverse effects on any SPFC facilities because the proposed bridge does not change the existing hydraulic conditions of Simmerly Slough. The new bridge will increase the clearance between the DWSE and the bridge soffit from 1.5 feet to 7.21 feet. The proposed project is consistent with the Central Valley Flood Protection Plan as it improves flood risk management and public safety due to the increased clearance of the bridge over the DWSE.

4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

There are no expected adverse effects to the proposed project from reasonable projected future events. The new bridge has no anticipated adverse hydraulic impacts and it increases the flowage area under the bridge by increasing the clearance between the DWSE and the bottom members of the bridge from 1.5 feet to 7.21 feet.

10.0 – STAFF RECOMMENDATION

Staff recommends that the Board:

Adopt:

- The CEQA findings: The Board, acting as a responsible agency under CEQA, has independently reviewed and considered the environmental documents prepared for the project. Approving the Permit 19298 would not result in any significant adverse impacts related to flood risk and no additional mitigation measures within the Board’s jurisdiction are required.

Approve:

- Draft Encroachment Permit No. 19298 in substantially the form provided in Attachment A; and,
Direct:

- The Executive Officer to take the necessary actions to execute the permit and file a Notice of Determination pursuant to CEQA with the State Clearinghouse.

11.0 – LIST OF ATTACHMENTS

A. Draft Permit No. 19298
B. Location Maps and Photos
C. Construction Drawings
D. Hydraulic Profile Information
E. RD 10 and Marysville Levee District Conditions

Reviewers:

Design Review: Greg Harvey, Plan Implementation and Compliance Branch, Acting Chief
Environmental Review: James Herota, Senior Environmental Scientist
Document Review: Gary W. Lemon, P.E., Permitting Section Chief
Etizia Rivera, Environmental Services Section, Acting Chief
Michael C. Wright, P.E., Acting Chief Engineer
Legal Review: Jit Dua, Board Counsel
Caltrans proposes to replace the Simmerly Slough Bridge on State Route 70 north of Marysville. The existing bridge will be demolished once the new bridge is in place.

The project is located along Highway 70 in Yuba County, beginning 0.2 miles south of Highway 70's intersection with Laurellen Road, ending slightly north of Highway 70's intersection with Laurellen Road, at 39.16806° N 121.59027° W, Reclamation District 10, Simmerly Slough, Yuba County.

NOTE: Special Conditions have been incorporated herein which may place limitations on and/or require modification of your proposed project as described above.

(DSEAL)

Dated: _________________________  ___________________________________ ___________

Executive Officer

GENERAL CONDITIONS:

ONE: This permit is issued under the provisions of Sections 8700 – 8723 of the Water Code.

TWO: Only work described in the subject application is authorized hereby.

THREE: This permit does not grant a right to use or construct works on land owned by the Sacramento and San Joaquin Drainage District or on any other land.

FOUR: The approved work shall be accomplished under the direction and supervision of the State Department of Water Resources, and the permittee shall conform to all requirements of the Department and The Central Valley Flood Protection Board.

FIVE: Unless the work herein contemplated shall have been commenced within one year after issuance of this permit, the Board reserves the right to
change any conditions in this permit as may be consistent with current flood control standards and policies of The Central Valley Flood Protection Board.

SIX: This permit shall remain in effect until revoked. In the event any conditions in this permit are not complied with, it may be revoked on 15 days’ notice.

SEVEN: It is understood and agreed to by the permittee that the start of any work under this permit shall constitute an acceptance of the conditions in this permit and an agreement to perform work in accordance therewith.

EIGHT: This permit does not establish any precedent with respect to any other application received by The Central Valley Flood Protection Board.

NINE: The permittee shall, when required by law, secure the written order or consent from all other public agencies having jurisdiction.

TEN: The permittee is responsible for all personal liability and property damage which may arise out of failure on the permittee’s part to perform the obligations under this permit. If any claim of liability is made against the State of California, or any departments thereof, the United States of America, a local district or other maintaining agencies and the officers, agents or employees thereof, the permittee shall defend and shall hold each of them harmless from each claim.

ELEVEN: The permittee shall exercise reasonable care to operate and maintain any work authorized herein to preclude injury to or damage to any works necessary to any plan of flood control adopted by the Board or the Legislature, or interfere with the successful execution, functioning or operation of any plan of flood control adopted by the Board or the Legislature.

TWELVE: Should any of the work not conform to the conditions of this permit, the permittee, upon order of The Central Valley Flood Protection Board, shall in the manner prescribed by the Board be responsible for the cost and expense to remove, alter, relocate, or reconstruct all or any part of the work herein approved.

SPECIAL CONDITIONS FOR PERMIT NO. 19298 BD

THIRTEEN: RESERVED

LIABILITY AND INDEMNIFICATION

FOURTEEN: The permittee shall defend, indemnify, and hold harmless the Central Valley Flood Protection Board (Board), the Department of Water Resources, and their respective officers, agents, employees, and representatives (Indemnities), against any and all claims, liabilities, charges, losses, expenses, and costs including the State’s attorneys’ fees (Liabilities), that may arise from, or by reason of: (1) any action or inaction by the Indemnities in connection with the issuance or denial of any permit, lease, permit, or other entitlement; (2) as a result of approvals or authorizations given by the Board to the permittee pursuant to, or as a result of, permittee’s permit application; (3) provisions of the issued permit or lease, provisions of CEQA, an environmental document certified or adopted by the Board related to the permit application, or any other regulations, requirements, or programs by the State, except for any such Liabilities caused solely by the gross negligence or intentional acts or the State or its officers, agents, and employees.

FIFTEEN: The permittee is responsible for all liability associated with construction, operation, and maintenance of the permitted facilities and shall defend, indemnify, and hold the Board, the Department of Water Resources, and their respective officers, agents, employees, successors and assigns, safe and harmless, of and from all claims and damages arising from the project undertaken pursuant to this permit, all to the extent allowed by law. The Board and the Department of Water Resources expressly reserve the right to supplement or take over their defense, in their sole discretion.
SIXTEEN: The Board, and Reclamation District No.10 shall not be held liable for any damages to the permitted encroachment(s) resulting from releases of water from reservoirs, flood fight, operation, maintenance, inspection, or emergency repair.

AGENCY CONDITIONS

SEVENTEEN: All work approved by this permit shall be in accordance with the submitted drawings and specifications dated April 19, 2018 except as modified by special permit conditions herein. No further work, other than that approved by this permit, shall be done in the area without prior approval of the Board.

EIGHTEEN: Permittee shall pay to the Board, an inspection fee(s) to cover inspection cost(s), including staff and/or consultant time and expenses, for any inspections before, during, post-construction, and regularly thereafter as deemed necessary by the Board.

NINETEEN: In the event that levee or bank erosion injurious to the adopted plan of flood control occurs at or adjacent to the permitted encroachment(s), the permittee shall repair the eroded area and propose measures, to be approved by the Board, to prevent further erosion.

TWENTY: The permittee shall be responsible for the repair of any damages to the project levee, channel, banks, floodway, or other flood control facilities due to construction, operation, or maintenance of the proposed project.

TWENTY-ONE: The permittee shall comply with all conditions set forth in the letter from the Department of the Army (U.S. Army Corps of Engineers, Sacramento District) dated __________, which is attached to this permit as Exhibit __ and is incorporated by reference.

TWENTY-TWO: The permittee agrees to notify any new property/encroachment owner(s) that they are required to submit a permit Name Change request form to the Board upon completion of the sale. The new owner(s) will be required to comply with all permit conditions. Name Change forms are available at http://cvfpb.ca.gov/

TWENTY-THREE: The Board reserves the right to add additional, or modify existing, conditions when there is a change in ownership and/or maintenance responsibility of the work authorized under this permit.

TWENTY-FOUR: The permittee shall coordinate with the Board's Right of Way Staff to acquire the real property rights from the Sacramento San Joaquin Drainage District (SSJDD) for all land owned in fee by the SSJDD that is required to construct the new bridge.

PRE-CONSTRUCTION

TWENTY-FIVE: Upon receipt of a signed copy of the issued permit the permittee shall contact the Board by telephone at (916) 574-0609, and submit the enclosed postcard, to schedule a preconstruction conference with the inspector that is assigned to your project. Failure to do so at least 10 working days prior to start of work may result in a delay of the project.
CONSTRUCTION

TWENTY-SIX: No construction work of any kind shall be done during the flood season from November 1 to April 15 without prior approval of the Board. Failure to submit a Time Variance Request to the Board at least 10 working days prior to November 1 may result in a delay of the project.

TWENTY-SEVEN: No material stockpiles, temporary buildings, or equipment shall remain in the floodway during the flood season from November 1 to April 15.

TWENTY-EIGHT: The abandoned or dismantled bridge shall be completely removed and disposed of outside the limits of the levee section and floodway.

TWENTY-NINE: Piers, bents, and abutments being dismantled shall be removed to at least 1 foot below the natural ground line and at least 3 feet below the bottom of the low-water channel.

THIRTY: Backfill material for excavations within the levee section and within 10 feet of bridge supports within the floodway shall be placed in 4- to 6-inch layers and compacted to a minimum of 90 percent relative compaction as measured by the current ASTM D1557 standard and above optimum moisture content.

THIRTY-ONE: Compaction tests by a certified soils laboratory will be required to verify compaction of backfill within the levee section or within 10 feet of the levee toe.

THIRTY-TWO: The soffit of the bridge shall be a minimum of 3 feet above the flood plane elevation of 80.57 feet, NGVD88 Datum.

THIRTY-THREE: Drainage from the bridge or highway shall not be discharged onto the levee section or streambank.

POST-CONSTRUCTION

THIRTY-FOUR: All debris generated by this project shall be properly disposed of outside the limits of the levee section and the Simmerly Slough floodway and project right-of-way.

THIRTY-FIVE: The work area shall be restored to at least the condition that existed prior to commencement of work.

THIRTY-SIX: Trees, brush, sediment, and other debris shall be kept cleared from the bridge site and disposed of outside the floodway to maintain the design flow capacity and flowage area.

THIRTY-SEVEN: Upon completion of the project, the permittee shall submit as-constructed drawings to the Board.
OPERATIONS AND MAINTENANCE

THIRTY-EIGHT: After each period of high water, debris that accumulates at the site shall be completely removed from the floodway.

THIRTY-NINE: The permitted encroachment(s) shall not interfere with the operation and maintenance of the flood control project. If the permitted encroachment(s) are determined by any agency responsible for operation or maintenance of the flood control project to interfere, the permittee shall be required, at permittee's cost and expense, to modify or remove the permitted encroachment(s) within 30-days of being notified in writing by the Board. In the event of an emergency a shorter timeframe may be required. If the permittee does not comply, the Board, or a designated agency or company authorized by the Board, may modify or remove the encroachment(s) at the permittee's expense.

PROJECT ABANDONMENT / CHANGE IN PLAN OF FLOOD CONTROL

FORTY: If the project, or any portion thereof, is to be abandoned in the future, the permittee or successor shall abandon the project under direction of the Board at the permittee's or successor's cost and expense.

FORTY-ONE: The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if in the discretion of the Board the removal, alteration, relocation, or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if the project is not maintained or is damaged by any cause. The permittee shall remove the encroachment(s) within 30-days of being notified in writing by the Board. In the event of an emergency a shorter timeframe may be required. If the permittee does not comply the Board will remove the encroachment(s) at the permittee's expense.

END OF CONDITIONS
No. 19298 – Attachment B – Location Maps and Photos
Simmerly Slough
Site Visit Photo Report - 1/29/2018

5: LOOKING NORTH ON SOUTH SIDE OF SIMMERLY SLOUGH BRIDGE

6: LOOKING NORTH-WEST AT SIMMERLY SLOUGH BRIDGE

7: LOOKING NORTH AT SIMMERLY SLOUGH BENEATH BRIDGE

8: LOOKING NORTH-WEST AT THE NORTH END OF THE SIMMERLY SLOUGH BRIDGE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN YUBA COUNTY, NEAR MARYSVILLE,
FROM 0.1 MILE NORTH OF BINNEY JUNCTION UP
TO 0.3 MILE NORTH OF LAURELLEN ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2015

BEGIN CONSTRUCTION
STA "A" 100+00.00
PM 15.5

THE CONTRACTOR SHALL Possess THE CHASSIS (OR CLASSES)
OF LICENSE AS SPECIFIED IN THE NOTICE TO BIDDERS.
NOTES:
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. PROFILE GRADE LOCATED AT TOP OF HWY-TYPE A
3. SEE LAYOUT SHEETS FOR EXACT LOCATIONS OF PAVEMENT EDGE TREATMENT AND SEE STANDARD PLANS PT4 AND PT6 FOR DETAILS NOT SHOWN.

"L" LINE
STA "L"10+40.00 TO STA "L"19+14.16

"A" LINE
STA "A"150+50.00 TO STA "A"156+00.00

"A" LINE (ROUTE 70)
STA "A"150+50.00 TO STA "A"156+00.00

TYPICAL CROSS SECTIONS
NO SCALE
X-2
NOTES:
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. COORDINATE VALUES SHOWN ARE CCS83 ZONE 2. MULTIPLY BY 0.99995 TO OBTAIN GROUND DISTANCES.
3. LOCATION TO BE DETERMINED BY ENGINEER.
4. FOR COLD PLANE AC PAVEMENT, OBLITERATE SURFACING AND REMOVE BASE AND SURFACING QUANTITIES.
5. SEE TRANSVERSE CONFORMS (SHEET C-6) FOR DETAILS.

YUBA CITY
155 RIE MOBB
NEW HELVETIA RANCHO

CURVE DATA

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L-6
NOTES:
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN.
2. CONTOUR INTERVAL = 2'.
NOTES:
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN.
2. CONTOUR INTERVAL = 2'.

CONTOUR GRADING
SCALE: 1"=50'

APPROVED FOR CONTOUR GRADING WORK ONLY

G-3
NOTES:
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN.
2. CONTOUR INTERVAL = 2'.
NOTES:
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN.
2. CONTOUR INTERVAL = 2'.

APPROVED FOR CONTOUR GRADING WORK ONLY

CONTOUR GRADING
SCALE: 1"=50'
G-5
Table 1 – Index Point Summary

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Figure 2 - Index Point Locations
(Caltrans, 2018). The Project proposes to set back the right bridge abutment, which ties into the Marysville Ring Levee, approximately 200 feet and to set back the left bridge abutment, which ties into the RD 10 Levee, approximately 300 feet, creating a larger opening with greater conveyance through the bridge. The existing bridge consists of 16 1.3-foot piers spaced 32 feet apart. The proposed bridge will have 4 8-foot 8-inch piers spaced 235 feet apart. Figure 4 shows the existing and proposed bridge geometry as defined in EC-RAS model geometry file.

Figure 4 – State Route 70 Bridge Geometry in HEC-RAS. Top graphic shows existing bridge crossing with sixteen bents (rows of piers). Bottom graphic shows proposed bridge with elevated soffit, four bents, and set back abutments.
Table 12 – Summary of Steady State Flows Peak Water Surface Elevation

<table>
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<th>CNP</th>
<th>Index Point 2 Simmerly Slough River Mile 1.91 (Downstream of SR 70)</th>
<th>Index Point 3 Simmerly Slough River Mile 2.13 (Downstream of SR 70)</th>
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FINDINGS AND RECOMMENDATIONS

As shown in the Phase 1 and Phase 2 hydraulic analyses, results of the modeling show that the proposed alterations do not result in substantial changes in the hydraulic performance of the system. Therefore, the current level of detail is considered sufficient for determining the effect of the alterations proposed by the Project. The analysis demonstrate that reductions in assurance of the system design capacity are negligible for the alternations proposed by the Project.

Based on the findings of this analysis, it is Wood Rodgers’ opinion that construction of the proposed bridge will not have adverse hydraulic impacts, that the proposed bridge will not be injurious to the public interest or affect the USACE Project’s ability to meet its authorized purpose, and that the Project should be recommended for a Section 408 Permit.

REFERENCES

1. California Department of Transportation. (2018) Project Plans for Construction on State Highway in Yuba County, near Marysville, from 0.1 Mile North of Binney Junction Up to 0.3 Mile North of Laurellen Road. Caltrans: Marysville, CA.


April 9, 2018
APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD
ENCROACHMENT PERMIT

Application No. ______________________ (For Office Use Only)

1. Description of proposed work being specific to include all items that will be covered under the issued permit.

Caltrans proposes to replace the Simmerly Slough Bridge on State Route 70 and expand Highway 70 through the City of Marysville, as shown on the attached plans. The existing bridge will be demolished once the new bridge is in place. The east side of the Marysville Levee District’s “finger levee” will be setback to expand Highway 70 to a five lane highway.

2. Project
Location: SR 70, City of Marysville, Yuba County, in Section 12
Township: 15N, Range: 3E, W, M. D. B. & M.
Latitude: 39.168425 N
Longitude: 121.590173 W
Stream: Simmerly Slough, Levee: Federal
Designated Floodway: No

3. California Department of Transportation (Caltrans) of 703 B Street
Marysville, CA 95901

4. Jay Punia of Wood Rodgers, Inc.
Sacramento, CA 95816

5. Endorsement of the proposed project from the Local Maintaining Agency (LMA):

We, the Trustees of Reclamation District 10 approve this plan, subject to the following conditions:

☐ Conditions listed on back of this form
☐ Conditions Attached
☐ No Conditions

Thomas W. Schultz 4/30/2018

DWR 3615 (Rev. 10/11)
APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD
ENCROACHMENT PERMIT

6. Names and addresses of adjacent property owners sharing a common boundary with the land upon which the contents of this application apply. If additional space is required, list names and addresses on back of the application form or an attached sheet.

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<th>Name</th>
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<th>Zip Code</th>
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7. Has an environmental determination been made of the proposed work under the California Environmental Quality Act of 1970?

☐ Yes ☐ No ☐ Pending

If yes or pending, give the name and address of the lead agency and State Clearinghouse Number:
A Mitigated Negative Declaration (MND) was prepared and approved in June 2017. Caltrans is the lead agency.

SCH No. 201622058

8. When is the project scheduled for construction? Late 2018 or early 2019

9. Please check exhibits accompanying this application.

A. ☑ Regional and vicinity maps showing the location of the proposed work.

B. ☑ Drawings showing plan view(s) of the proposed work to include map scale.

C. ☑ Drawings showing the cross section dimensions and elevations (vertical datum?) of levees, berms, stream banks, flood plain,

D. ☑ Drawings showing the profile elevations (vertical datum?) of levees, berms, flood plain, low flow, etc.

E. ☑ A minimum of four photographs depicting the project site.

Signature of Applicant Date

Include any additional information:

________________________________________________________________________
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Reclamation District 10
Caltrans State Route 70 - Simmerly Slough Project
Conditions for Endorsement

The following are conditions that Reclamation District 10 requests be included on the Central Valley Flood Protection Board (CVFPB) Encroachment Permit for the State Route 70 Bridge over Simmerly Slough. At the time of the submittal, the plans submitted were not complete and did not include hydraulic analysis of the proposed project to determine potential effects of Simmerly Slough flows through this reach of the channel. However, Reclamation District 10 is willing to endorse the permit application with the following conditions:

1. All improvements shall meet or exceed Central Valley Flood Protection Board Title 23, FEMA, and U.S Army Corps of Engineers Standards and requirements.

2. The project shall not increase the 1957 Sacramento River Flood Control Project (SRFCP) design water surface elevation or the 1-in-100 design water surface elevation of Simmerly Slough.

3. An additional 1 foot of freeboard shall be provided on the levee for a minimum 100 feet upstream and downstream of the bridge structure for either the 1957 SRFCP design water surface or the 1-in-100 water surface elevation, whichever is greater.

4. The project shall fully mitigate all drainage impacts including replacement of the Reclamation District 10 pump station and pipe facilities to fully address all highway drainage to current standards.

5. There shall be no flood control structure (i.e. stop log or gated structure) allowed as part of this project.

6. Bridge piers and bents within the floodway shall be constructed parallel to the direction of stream flow in accordance with Section 128(a)(3) of Title 23.

7. This conditional endorsement is limited to the bridge, levee, and roadway work only. All utilities such as electrical, gas, cable, telephone, communication, fiber optic, fuel, etc. to be located within bridge, on the bridge, or require modifications because of the bridge shall obtain separate encroachment permits.

8. All existing permits shall be properly terminated or amended. Copies of all terminated permits shall be provided to Reclamation District 10.

9. The permittee shall be responsible for all liability associated with construction, operation, and maintenance of the permitted facilities and shall defend, indemnify, and hold the Reclamation District; including its agencies, departments, boards, commissions, and their
respective officers, agents, employees, successors and assigns (collectively, the "District"),
safe and harmless, of and from all claims and damages arising from the project undertaken
pursuant to this permit, all to the extent allowed by law.

10. Reclamation District 10 shall not be held liable for any damages to the permitted
encroachment(s) resulting from flood fight, operation, maintenance, inspection, or repair of
the levee system or drainage facilities.

11. The permitted encroachment(s) shall not interfere with operation and maintenance of the
flood control project. If the permitted encroachment(s) are determined by Reclamation
District 10 to interfere, the permittee shall be required, at permittee's sole cost and
expense, to modify or remove the permitted encroachment(s).

12. A copy of the final Central Valley Flood Protection Board Permit shall be provided to
Reclamation District 10 upon approval of the permit by the CVFPB.
APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD
ENCROACHMENT PERMIT

1. Description of proposed work being specific to include all items that will be covered under the issued permit.

Caltrans proposes to replace the Simmerly Slough Bridge on State Route 70 and expand Highway 70 through the City of Marysville, as shown on the attached plans. The existing bridge will be demolished once the new bridge is in place. The east side of the Marysville Levee District’s “finger levee” will be setback to expand Highway 70 to a five lane highway.

2. Project
Location: SR 70, City of Marysville, Yuba County, in Section 12 Township: 15N (N), Range: 3E (E), M. D. B. & M.
Latitude: 39.168425 N Longitude: 121.590173 W Designated
Stream: Simmerly Slough, Levee: Federal Designated Floodway: No
APN: See Attached

3. California Department of Transportation (Caltrans) of 703 B Street
Name of Applicant / Land Owner
Marysville CA 95901 (530) 218-1820
(camron.knudson@dot.ca.gov)

4. Jay Punia of Wood Rodgers, Inc.
Name of Applicant’s Representative
Sacramento CA 95816 (916) 870-0770
(jpunia@woodrodgers.com)

5. Endorsement of the proposed project from the Local Maintaining Agency (LMA):

We, the Trustees of Marysville Levee District, approve this plan, subject to the following conditions:

☐ Conditions listed on back of this form ☒ Conditions Attached ☐ No Conditions

_________________________ 04/03/2018 ______________________
Trustee Date Trustee Date

_________________________ ______________________
Trustee Date Trustee Date

DWR 3615 (Rev. 10/11)
APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD
ENCROACHMENT PERMIT

6. Names and addresses of adjacent property owners sharing a common boundary with the land upon which the contents of this application apply. If additional space is required, list names and addresses on back of the application form or an attached sheet.

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7. Has an environmental determination been made of the proposed work under the California Environmental Quality Act of 1970? [✓ Yes] [□ No] [☐ Pending]

If yes or pending, give the name and address of the lead agency and State Clearinghouse Number:
A Mitigated Negative Declaration (MND) was prepared and approved in June 2017. Caltrans is the lead agency.

SCH No. 201622058

8. When is the project scheduled for construction? Late 2018 or early 2019

9. Please check exhibits accompanying this application.
   A. [✓] Regional and vicinity maps showing the location of the proposed work.
   B. [✓] Drawings showing plan view(s) of the proposed work to include map scale.
   C. [✓] Drawings showing the cross section dimensions and elevations (vertical datum?) of levees, berms, stream banks, flood plain,
   D. [✓] Drawings showing the profile elevations (vertical datum?) of levees, berms, flood plain, low flow, etc.
   E. [✓] A minimum of four photographs depicting the project site.

Include any additional information:

________________________________________________________________________

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________________________________________________________________________

Signature of Applicant  Date

DWR 3615 (Rev. 10/11)
MARYSVILLE LEVEE DISTRICT – CONDITIONAL ENDORSEMENT CONDITIONS
CALIFORNIA DEPARTMENT OF TRANSPORTATION
SIMMERLY SLOUGH BRIDGE – SR 70

Marysville Levee District has the following conditions to be included on the Central Valley Flood Protection Board Encroachment Permit for State Route 70 Bridge over Simmerly Slough. At the time of the submittal, the application was not complete. The following is a conditional endorsement with the following conditions:

1. All improvements shall meet or exceed Central Valley Flood Protection Board Title 23, Department of Water Resources, DWR Urban Levee Design Criteria, FEMA, Marysville Levee District, and U.S Army Corps of Engineers Standards and requirements.

2. All levee relocation work shall comply with current design criteria for the USACE Marysville Levee Project including but not limited to stability and seepage criteria.

3. All work endorsed by this permit shall be in accordance with the submitted plans titled “Project Plans for Construction on State Highway, In Yuba County, Near Marysville, From 0.1 Mile North of Binney Junction up to 0.3 Mile North of Laurellen Road” dated ______________, 20___, except as modified by endorsement conditions herein. No further work, other than approved by this permit, shall be done in the area without prior endorsement of Marysville Levee District. (The plans submitted are not signed. Marysville Levee District shall review and provide final endorsement at time “For Construction” plans are submitted).  

4. The project shall not increase the 1-in-100, the 1-in-200, and/or 1-in-200 + 2 feet design water surface elevation of Simmerly Slough. An additional 1 feet design water surface shall be considered within 500 feet of the bridge structure for all design events.

5. There shall be no flood control structure (i.e. stop log structure) allowed as part of this project.

6. Bridge piers and bents within the floodway shall be constructed parallel to the direction of stream flow in accordance with Section 128(a)(3) of Title 23.

7. A copy of the operations and maintenance manual shall be provided to Marysville Levee District. The O&M manual shall include provisions for annual inspections which meet or exceed the CVFPB, DWR, USACE, and Marysville Levee District standards. The results of the annual inspection shall be provided to Marysville Levee District no later than November 1 each year.

8. This conditional endorsement is limited to the bridge, ring levee, and roadway work only. All utilities such as electrical, gas, cable, telephone, communication, fiber, fuel, etc. to be located within bridge, on the bridge, or require modifications because of the bridge shall obtain separate encroachment permits. Marysville Levee District recommends separate encroachment permits for the levee and the bridge but it is not a requirement.

9. The existing bridge crossing includes numerous permits (i.e. 2004, 2024, 14518). There are also numerous utility permits that will need to be terminated or amended as part of the project. All existing permits shall be properly terminated or amended. Copies of all terminated permits shall be provided to Marysville Levee District.

April 2, 2018
10. The permittee shall be responsible for all liability associated with construction, operation, and maintenance of the permitted facilities and shall defend, indemnify, and hold the Maryland Levee District, Central Valley Flood Protection Board, and the State of California; including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages arising from the project undertaken pursuant to this permit, all to the extent allowed by law. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

11. The permittee shall defend, indemnify, and hold the Central Valley Flood Protection Board, Maryland Levee District, and the State of California, including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages related to the Central Valley Flood Protection Board's approval of this permit, including but not limited to claims filed pursuant to the California Environmental Quality Act. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

12. The Central Valley Flood Protection Board, Department of Water Resources, and Maryland Levee District shall not be held liable for any damages to the permitted encroachment(s) resulting from flood fight, operation, maintenance, inspection, or emergency repair.

13. The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if removal, alteration, relocation, or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if damaged by any cause. If the permittee does not comply, the Central Valley Flood Protection Board may remove the encroachment(s) at the permittee's expense.

14. The permitted encroachment(s) shall not interfere with operation and maintenance of the flood control project. If the permitted encroachment(s) are determined by any agency responsible for operation and maintenance of the flood control project to interfere, the permittee shall be required, at permittee’s sole cost and expense, to modify or remove the permitted encroachment(s).

15. If the project or any portion thereof, is to be abandoned in the future, the permittee or successor shall abandon the project, at the permittee’s or successor’s sole cost and expense.

16. A copy of the final Central Valley Flood Protection Board Permit shall be provided to Maryland Levee District upon approval of the permit by the CVFPB Board.

17. Maryland Levee District shall be notified five (5) working days prior to any construction activities.

18. Permittee agrees to reimbursement Maryland Levee District all costs associated with endorsement of the encroachment permit and construction of the improvements.