

## **APPENDIX A**

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Documentation for Twain Disposal Site



United States  
Department of  
Agriculture

Forest  
Service

Plumas  
National  
Forest

Mt. Hough Ranger District  
39696 Highway 70  
Quincy, CA 95971-6007  
(530) 283-0555 Voice  
(530) 534-7984 Text (TDD)

File Code: 2700

Date: February 26, 2013

State of California  
Department of Transportation  
Right of Way Office  
Attn: Tauni Melvin  
1031 Butte St., Suite 205  
Redding, CA 9600

**Re: Plumas County Public Works Use of Twain Disposal Site**

Dear Ms. Melvin,

I am approving the use of the Twain Disposal Site by Plumas County Public Works Department for the Snake Lake Road Bridge Replacement Project for the disposal of excavated excess "earthen" material generated from the project. The Twain Disposal Site is under Special Use Permit to Caltrans (Authorization #10111-04) in Township 25N, Range 8 E, Section 22. Use of this site by Plumas County is only permitted for this project. The estimated quantity will not exceed 1,500 cubic yards.

I would like Caltrans to submit a capacity analysis and site reclamation plan for the Twain Disposal site by August 15, 2013 so that it is clear what future disposal limits should be, and how the site will be reclaimed once those disposal limits have been reached.

Please work with Erika Brenzovich, Acting Public Services Staff at (530) 283-7620 or [ebrenzovich@fs.fed.us](mailto:ebrenzovich@fs.fed.us) if you have any questions or concerns.

Sincerely,

  
MICHAEL A. DONALD  
District Ranger

Cc: John Mannle, Plumas County Public  
Works Department



# INFORMATIONAL HANDOUT

FOR CONSTRUCTION CONTRACT  
IN PLUMAS COUNTY  
ABOUT 6 MILES WEST OF QUINCY FROM SR 70/W. MAIN ST JCT  
FROM BUCKS LAKE RD TO SNAKE LAKE RD

**Project Name**  
SNAKE LAKE ROAD BRIDGE REPLACEMENT

**OPTIONAL DISPOSAL SITE FOR EARTHEN MATERIAL ONLY**  
TWIN DISPOSAL SITE – PLU-070-PM 26.9

**Note: The records from this compilation may be inspected in the District Office at 1657 Riverside Drive Redding, CA 96001 or Contact the Disposal Site Coordinator, Linda Garner, (530) 225-3375, email: [Linda\\_S\\_Garner@dot.ca.gov](mailto:Linda_S_Garner@dot.ca.gov)**

**Facts stated herein are as known to the State of California, Caltrans, and are to be verified by the Contractor as per Section 2 “Bidding” of the 2010 Standard Specifications.**

## Table of Contents

General Information .....	2
Location Map .....	3
Site Plan Map .....	4

## General Information

The use of this Caltrans operated site is provided to Plumas County Public Works, at the option of the contractor, for the disposal of excavated excess "earthen" material generated from the Snake Lake Road Bridge Replacement Project, located approximately 6 miles west of Quincy. Use of this site extends only to this project and any future agreements must be coordinated with Caltrans.

This disposal site may be used by Caltrans Maintenance and other contractors, without exclusive use to anyone. Use of this site must be coordinated with the Caltrans Quincy Maintenance Supervisor, Eddie Roberts, and shall be contacted at least 2 weeks prior to the beginning of work at (530) 283-2612.

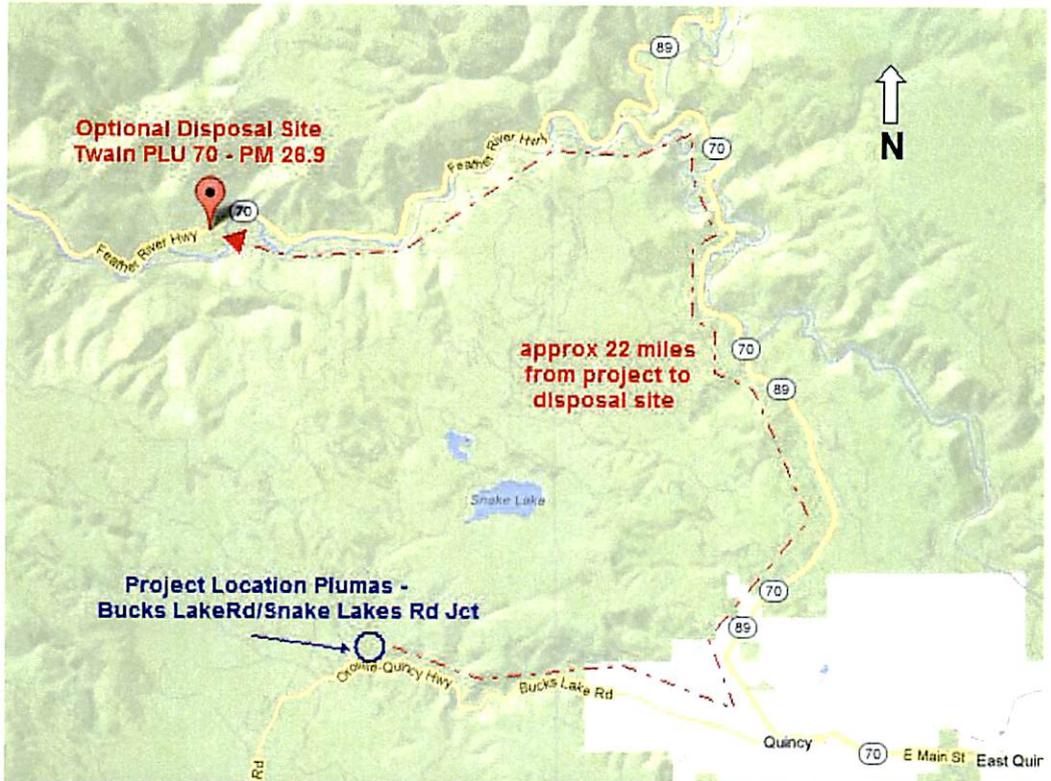
### Road Restrictions:

- This site is on USFS property and operation granted by Special Use Permit. The entrance to the site passes through the small town of Twain and Hallsted Campground. Reduce speed; watch for RVs and pedestrians. All safety precautions must be observed.
- BMPs shall be applied by the contractor to eliminate vehicle tracking. The contractor must have a water truck available to control dust at the site and through the town of Twain.

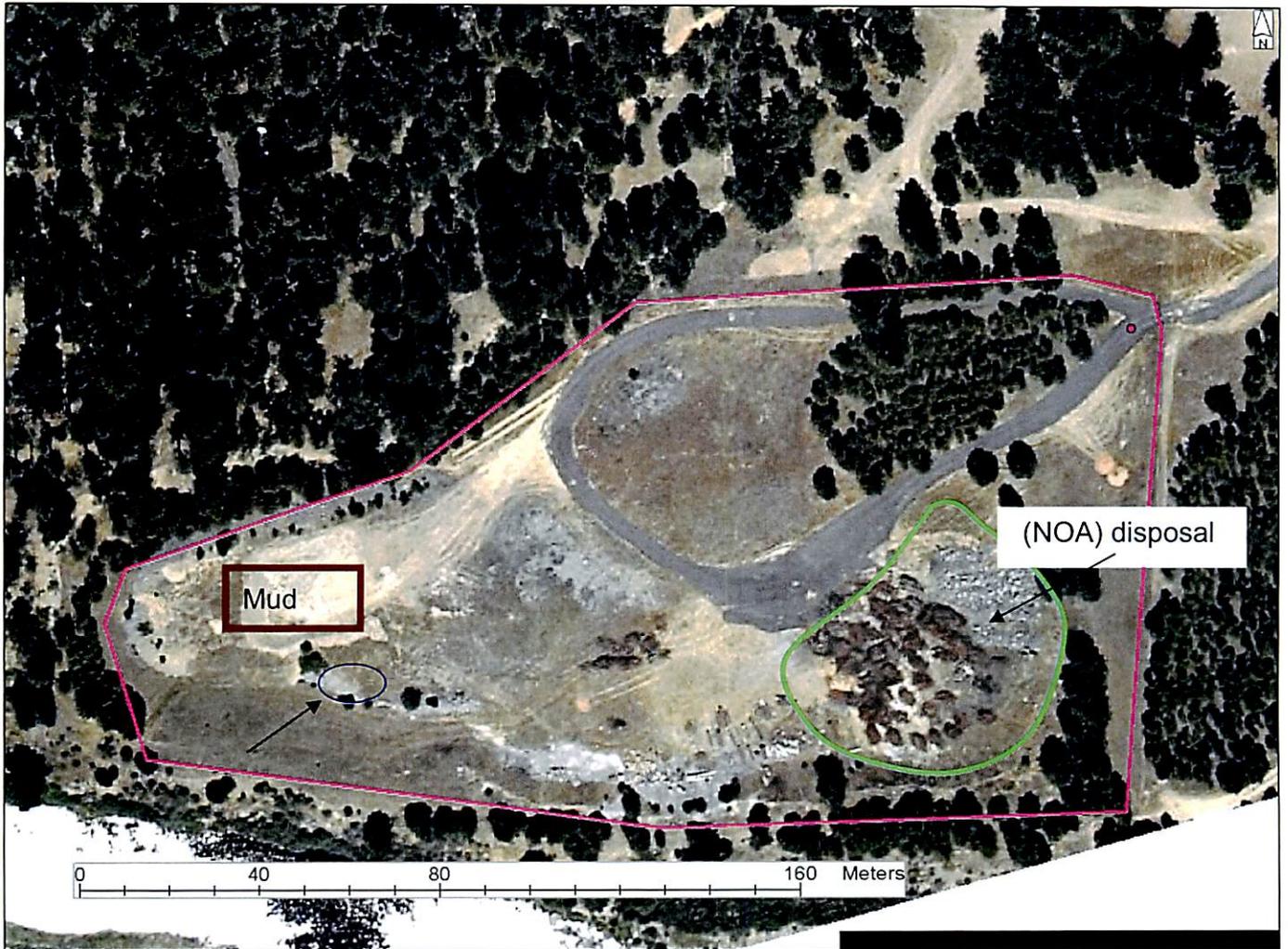
### Material placement and requirements for this disposal site:

- The only materials to be disposed of at this site are earthen or rock materials; estimated quantity is 1,500 CY. Any slash or man-made materials must be disposed of at a landfill.
- Any material containing non-hazardous Naturally Occurring Asbestos will be encapsulated in accordance of Section 14 of the 2010 Standard Specifications and must be placed in the area indicated on the attached site plan.
- Disposal or reuse of salvaged materials will be in accordance with section 14 and section 15 of the 2010 Standard Specifications.
- Section 19 of the 2010 Standard Specifications will apply to all disposal of earthen material from this project, including any material delivered to this site.
- The contractor bears all liability for damage to haul vehicles and any facility or equipment damaged by the contractor's use of the site. The State assumes no liability for damage to contractor's equipment.
- All temporary materials or equipment must be removed at the close of this project and the site returned to the original or better condition. The finished surface shall be uniformly graded.
- Materials shall be compacted to the extent that it firmly supports rubber tire equipment, and there is no visible evidence of further consolidation of the material being compacted.
- Construction Storm Water Best Management Practices shall apply to this site. Final Erosion Control on newly finished slopes shall be the same as those for the project and must be included in the contractor's Storm Water Pollution Control Plan. No additional compensation shall be made for placement of the erosion control measures at the disposal site.
- This site must be included in the Asbestos Compliance, Dust Control, and Lead Compliance Plan, with no additional compensation made for inclusion.

Location  
Map



# Site Plan Map

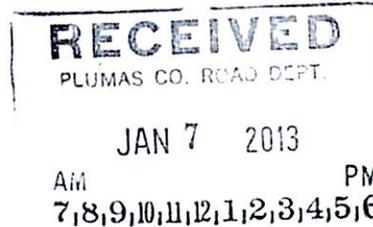


## **APPENDIX B**

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Location Hydraulic Study Form

DEPARTMENT OF TRANSPORTATION  
DISTRICT 2 OFFICE OF LOCAL ASSISTANCE  
1657 RIVERSIDE DRIVE  
REDDING, CA 96001  
PHONE (530) 225-2735  
FAX (530) 225-3020  
TTY (530) 225-2019



*Flex your power!  
Be energy efficient!*

January 4, 2013

BRLO-5909 (082)  
Snake Lake Rd @ Spanish Creek  
Bridge Replacement Project (Bridge No. 09C-0148)  
Plumas County

Robert Perrault, Director  
Plumas Co Public Works Department  
1834 East Main Street  
Quincy, CA 95971

Attention: John Mannle

Dear Mr. Mannle:

Location Hydraulic Study and Floodplain Evaluation Report Summary for Spanish Creek Bridge Replacement Project

Enclosed please find a floodplain evaluation report summary form and the location hydraulic study form for this project. Rick Somers, District 2 Local Assistance Area Engineer, reviewed and approved the report and signed the summary forms.

If you have questions, or would like to discuss the project, you may reach me at (530) 225-2735, or Rick at (530) 225-3015.

Thank you for your assistance.

Sincerely,

Tamy Quigley  
Project Manager and NEPA Liaison

Enclosures

cc: John Mannle, Plumas Co  
Rick Somers, Caltrans

**LOCATION HYDRAULIC STUDY FORM \***

Dist. 02 Co. Plu            Rte. 0 P.M. CR  
 ID# EA 0200000411 Bridge No. 9C-0148

**Floodplain Description:**

*The proposed project encroaches upon the Special Flood Hazard Area along Spanish Creek as shown on Panel 0900E of the effective FIRM for Plumas County, California and Incorporated Areas. The analyses conducted for the Location Hydraulic Study (LHS) show that the SFHA (Zone A) delineated on the FIRM is in error. The computed base floodplain limits are shown for the existing bridge and the replacement structure in Figures 7 and 8 below. The base floodplain is located entirely on lands within the Plumas National Forest (PNF) which are zoned General Forest (GF) by Plumas County. No buildings, structures, or recreation facilities are located within the base floodplain in the vicinity of the bridge. The floodplain encroachment is not significant.*

**1. Description of Proposal (include any physical barriers i.e. concrete barriers, soundwalls, etc. and design elements to minimize floodplain impacts)**

*The project consists of the replacement of a single lane 80 foot single-span bridge with a new two lane 110 foot single-span structure. The existing alignment of Snake Lake Road will be maintained and the new structure will be located at the same location as the old. Analyses show that the base flood elevation (BFE) does not encroach upon the existing bridge or approaches and that the BFE will be lowered with the longer span replacement structure. Project details are given in the attached Location Hydraulic Study.*

2. ADT: Current 100 Projected 100

3. Hydraulic Data: Base Flood Q<sub>100</sub>= 6530 CFS -  
 WSE<sub>100</sub>= 3581.0 ft for 110' single span alternative The flood of record, if greater than  
 Q<sub>100</sub>: Q= N/A CFS WSE= N/A  
 Overtopping flood Q= 19200 CFS WSE= 3586.7 ft  
 Are NFIP maps and studies available? YES x NO           

4. Is the highway location alternative within a regulatory floodway?  
 YES            NO x

**5. Attach map with flood limits outlined showing all buildings or other improvements within the base floodplain.**

*See Figure 7 and 8 of the LHS*

**Potential Q<sub>100</sub> backwater damages:**

- A. Residences? NO x YES
- B. Other Bldgs? NO x YES
- C. Crops? NO x YES
- D. Natural and beneficial

FLOODPLAIN VALUES? NO x YES           

**6. Type of Traffic:**

A. Emergency supply or evacuation route? NO            YES x

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**DISTRICT 2**  
**LOCAL ASSISTANT**

- B. Emergency vehicle access? NO \_\_\_\_\_ YES x  
C. Practicable detour available? NO \_\_\_\_\_ YES x  
D. School bus or mail route? NO x YES \_\_\_\_\_

7. Estimated duration of traffic interruption for 100-year event hours: 0

8. Estimated value of Q<sub>100</sub> flood damages (if any) – moderate risk level.

A. Roadway \$ 0.00  
B. Property \$ 0.00  
Total \$ 0.00

9. Assessment of Level of Risk Low x  
Moderate \_\_\_\_\_  
High \_\_\_\_\_

For High Risk projects, during design phase, additional Design Study Risk Analysis  
May be necessary to determine design alternative.

Signature – Local Agency or Hydraulic Engineer 

Date October 2, 2012

Steven C. Devin, P.E., G.E.

(Item numbers 3,4,5,7,9)

California Registered Civil Engineer C47214

Is there any longitudinal encroachment, significant encroachment, or any support of  
incompatible

Floodplain development? NO x YES \_\_\_\_\_

If yes, provide evaluation and discussion of practicability of alternatives in accordance  
with 23 CFR 650.113

Information developed to comply with the Federal requirement for the Location  
Hydraulic Study shall be retained in the project files.

Signature – Dist. Local Assistance Engineer   
(Item numbers 1,2,6,8)

Date 12/13/12

RICK SOMERS, PE  
CT DIST 2

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**LOCAL ASSISTANCE**

\* Same as Figure 804.7A Technical Information for Location Hydraulic Study located in  
Chapter 804 of the Highway Design Manual

**SUMMARY FLOODPLAIN ENCROACHMENT REPORT\***

Dist. 02 Co. Plu Rte. 0 P.M. CR  
 Project No.: 02-Plu-CR-0 Bridge No. 9C-0148  
 Limits: \_\_\_\_\_

**Floodplain Description:**

*The proposed project encroaches upon the Special Flood Hazard Area along Spanish Creek as shown on Panel 0900E of the effective FIRM for Plumas County, California and Incorporated Areas. The analyses conducted for the Location Hydraulic Study (LHS) show that the SFHA (Zone A) delineated on the FIRM is in error. The computed base floodplain limits are shown for the existing bridge and the replacement structure in Figures 7 and 8 below. The base floodplain is located entirely on lands within the Plumas National Forest (PNF) which are zoned General Forest (GF) by Plumas County. No buildings, structures, or recreation facilities are located within the base floodplain in the vicinity of the bridge. The floodplain encroachment is not significant.*

	No	Yes
1. Is the proposed action a longitudinal encroachment of the base floodplain?	<u>x</u>	___
2. Are the risks associated with the implementation of the proposed action significant?	<u>x</u>	___
3. Will the proposed action support probable incompatible floodplain development?	<u>x</u>	___
4. Are there any significant impacts on natural and beneficial floodplain values?	<u>x</u>	___
5. Routine construction procedures are required to minimize impacts on the floodplain. Are there any special mitigation measures necessary to minimize impacts or restore and preserve natural and beneficial floodplain values? If yes, explain.	<u>x</u>	___
6. Does the proposed action constitute a significant floodplain encroachment as defined in 23 CFR, Section 650.105(q).	<u>x</u>	___
7. Are Location Hydraulic Studies that document the above answers on file? If not explain.	___	<u>x</u>

PREPARED BY:



Signature - Local Agency Hydraulic Engineer  
 Steven C. Devin, P.E., G.E.  
 California Registered Civil Engineer C47214

10-02-2012  
 Date

CONCUR:

  
 Signature - Dist. L Environmental Branch Chief

12/13/12  
 Date

  
 Signature - DLAE Dist. Project Engineer, DIST. 2

12/13/12  
 Date

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**DISTRICT 2**  
**LOCAL ASSISTANCE**

\* Same as Figure 804.7B Floodplain Evaluation Report Summary located in Chapter 804 of the Highway Design Manual