

INFORMATION HANDOUT

MATERIALS INFORMATION

1. FINAL FOUNDATION REPORT AND FOUNDATION REVIEW FOR STORM DAMAGE REPAIR, DATED APRIL 14, 2011
2. ALTERNATIVE FLARED TERMINAL SYSTEM,
 - a. TYPE FLEAT TERMINAL SYSTEM
 - b. TYPE SRT TERMINAL SYSTEM
 - c. TYPE X-TENSION TERMINAL SYSTEM

PERMITS

3. SONOMA COUNTY AND RESOURCE MANAGEMENT DEPARTMENT PERMIT DATED FEBURARY 17, 2012
4. CALIFORNIA COASTAL COMMISSION PERMIT CPH11-0004, DATED AUGUST 14, 2012

ROUTE: 04-Sonoma- 1 -PM 34.3/34.6

FOUNDATION REVIEW

DIVISION OF ENGINEERING SERVICES
GEOTECHNICAL SERVICES

To: Structure Design

- 1. Design
- 2. R.E. Pending File
- 3. Specifications & Estimates
- 4. File

Date: 2/18/12

Fort Ross Ret Wall
Structure Name

04- Son - 001 - 345
District County Route km Post

- Geotechnical Services
- 1. GD - North ; South ; West
 - 2. GS File Room

District Project Development District Project Engineer 0400-1252 E.A. Number 04-456201 Structure Number 20E0064

Foundation Report By: A Kaddoura Dated: 9/14/10

Reviewed By: P. Lutz (SD) R. Price (GS)

General Plan Dated: 2/7/12 Foundation Plan Dated: 1/3/12

No changes. The following changes are necessary.

FOUNDATION CHECKLIST

Pile Types and Design Loads

- Pile Lengths
- Predrilling
- Pile Load Test.
- Substitution of H Piles For Concrete Piles Yes No

- Footing Elevations, Design Loads, and Locations
- Seismic Data
- Location of Adjacent Structures and Utilities
- Stability of Cuts or Fills
- Fill Time Delay

Effect of Fills on Abutments and Bents

- Fill Surcharge
- Approach Paving Slabs
- Scour
- Ground Water
- Tremie Seals/Type D Excavation

Philip Skat 9
Structure Design Bridge Design Branch No.

Pat
Geotechnical Services

Memorandum

*Flex your power!
Be energy efficient!*

To: MS. OFELIA ALCANTARA
Supervising Bridge Engineer
Bridge Design West
Structures Design

Date: September 14, 2010

Attention: G. Danke

File: 4-SON-1-PM 34.5
04 - 4S6200
Storm Damage

AK
From: A. KADDOURA/M. ZABOLZADEH
Associate Materials and Research Engineers
Office of Geotechnical Design - West
Geotechnical Services
Division of Engineering Services

H. Nikou
HOOSHMAND NIKOUI
Chief, Branch A
Office of Geotechnical Design - West
Geotechnical Services
Division of Engineering Services

Subject: Slide Repair Recommendations

This report supersedes our Foundation Report dated May 17, 2010. This is due to a change of stationing orientation by the Design Group.

This memorandum presents our geotechnical recommendations for the above referenced project. The recommendations contained in this report are based on the results from subsurface explorations at the site of the slide.

I. BACKGROUND

During January/February 2008 rainstorms, a slide has occurred on Route 01 below the roadway in southbound direction at PM 34.5, about 14 miles north of the Town of Jenner in Sonoma County.

The total length of the slide area is about 70 ft and about 10 ft to 12 ft deep. There are visible cracks on the southbound lane that extends into the centerline of the road. The cracks in the road are part of the head scarp of the slide, which is advancing to the east. The depression is a pre-existing feature mapped as rock fall by the California Geological Survey and is visible on air photos from 1965. The rock at this site is the Tertiary German Rancho formation, well-bedded, fractured, and jointed sandstone that appears to fall out of the slope.

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Attn: G. Danke

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Maintenance crews have been placing AC overlay to keep the roadway pavement ride smooth to traffic. Currently, 2-way traffic is being maintained. See the attached Exhibit A for details.

II. SCOPE OF WORK

Work performed for this investigation includes field mapping and drilling a total of two power borings (R-09-001 and R-09-002) in March 2010.

III. REGIONAL/SITE GEOLOGY & SEISMICTY

Located within the Coast Range geomorphic province of California, the geology of the region consists of northwest-trending ridges, gently sloping hills, intermontane valleys, and large elongated depressions. The San Andreas Fault system, the most prominent geologic feature in the area, includes the San Andreas Fault as well as numerous splays, including the Hayward and Calaveras Faults, which together take up strain between the northward migrating Pacific plate and the southward (relatively) moving North American plate. The major faults within the system are predominantly right lateral, strike-slip faults with some compressional component.

Rocks of the Tertiary German Rancho Formation as well as locally derived alluvium and thin residual soils underlie the project site. The German Rancho Formation contains well-bedded sandstones and shales derived from submarine landslides (turbidites), as well as local conglomerate beds. The area has undergone significant strain due to the proximity of the site to the San Andreas Fault, resulting in intensely fractured and weathered rock.

The project area lies within the seismically active San Francisco Bay region and lies very close to the San Andreas Fault. Table 1 lists the active faults near the project area and the peak ground accelerations that could be expected from a maximum credible earthquake. The two major active faults in the region, the San Andreas and the Healdsburg/Rodgers Creek, both have the potential for magnitude 7.0 or greater earthquakes.

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Table 1. Predicted Maximum Credible Earthquakes and Accelerations*

| FAULT | Distance from project | Maximum Credible Earthquake | Peak Ground Acceleration |
|------------------------------|------------------------------|------------------------------------|---------------------------------|
| San Andreas | 0.8 mi | 7.9 | 0.7 g |
| Rodgers Creek/ Healdsburg | 22 mi | 7.1 | 0.15 g |

*MCE's and accelerations from Caltrans ARS Online (2010) and Mualchin (1996)

IV. SUBSURFACE SOIL CONDITIONS

Borings R-10-001 and R-10-002 were drilled utilizing the rotary wash/rock coring drilling methods with Standard Penetration Test (SPT) sampling in March 2010, on the northbound and southbound lanes within the slide area to the depths of 51.5 feet and 30 feet, respectively. Boring R-10-001 describes the foundation soils about 5 ft of Asphalt concrete overlay in the northbound direction. The remainder of the foundation soils/rocks may be described as very intensely weathered to moderately weathered, very soft to hard sedimentary rock (sandstone/shale). The SPT blow counts range from 4 to more than 50 (refusal) blows per foot.

Boring R-10-001 was converted to slide indicator (SI)/piezometer in order to estimate the slide depth and measure the groundwater. The May 17, 2010 SI readings shows a slide movement at the depth of about 16' (MSL elevation 206) below roadway level. See attached SI-1 figure.

Groundwater was measured in R-10-001 to be at the depth of 25.1 ft (3/16/10) and 27.3 ft (3/24/10) below the roadway surface (approximate MSL elevation between 194.7 and 196.9).

The Log of Test Boring (LOTB) sheets will be forwarded to you upon completion. The LOTB sheets should be included with the contract plans.

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V. RECOMMENDATIONS

Tie-back Soldier Pile Wall

Based on the above, we recommend constructing tieback/soldier pile wall with wood lagging to hold against the slide.

The limits of this wall are between Station 11+35± and Station 12+90±.

The approximate total length of the proposed wall is about 155 feet with a maximum height of 15 ft between Stations 11+69 and 12+66.

We recommend the following requirements for the design of the tieback wall:

- The proposed one row of tiebacks should be installed at least 6 ft below the roadway ground surface. The anchors should be installed at an angle of 10 to 15 degrees below the horizontal plane.
- The unbounded length of the tieback anchors should be a minimum 40 ft long as shown on Exhibit A.
- Based on our slope stability analysis using SlopeW computer program, the total force (P_{TOTAL}) is estimated to be 6250 pounds /foot of wall length for a safety factor of 1.5.
- The design of the anchor type and any anchor length in excess of the minimum length specified herein should be left up to the contractor. The contractor is responsible for providing tieback anchors that satisfy the contract specifications.

Earth Pressures

The wall should be designed for the following:

For active pressure against the wall, use the following:

- Between 0 and 15 feet depth (dredge line): Internal friction angle $\phi = 10^\circ$, $c = 250$ psf & soil moist unit weight (γ) = 120 pcf.

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- Earth pressure distribution shall be in accordance with "Memo to Designers 5-12" dated August 1990.
- For traffic surcharge, use a rectangular pressure diagram from top of the wall to a depth of 10 feet. This is equivalent to about 2 feet of fill (240 psf).
- The tieback wall shall be capable of resisting an additional seismic uniform earth pressure estimated to be equal to 40H psf.

The above-recommended loadings are based on the assumption that an adequate drainage system will be provided to prevent the development of hydrostatic pressure behind the wall. If complete drainage of the wall cannot be achieved, add hydrostatic pressure assuming groundwater at 5 feet below top of wall.

For passive pressure against the soldier piles, use the following input:

- a. $\phi = 40^\circ$, $C = 500$ psf, and $\gamma = 130$ pcf.
- b. Minimum of 5-foot wide berm at the base of the wall having 1V: 2H cut slope.
- c. Friction Factor (δ) = $2/3 \phi$.

Vertical CIDH Pile Capacities and Penetration Depth

Soldier piles should be embedded a minimum of 30 feet (pile length) below the roadway surface.

Pile spacing should be limited to not more than 8 ft.

The ultimate vertical compression and tension capacities of piles may be calculated using the following design parameters:

Use a unit pile shaft friction of 1.25 kips per unit surface area of the pile length below the dredge line of the wall.

Use 60 percent of the compression shaft resistance values mentioned above to calculate the ultimate tension (uplift) resistance of the pile.

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Use an ultimate pile tip compression bearing pressure of 200 kips per unit tip area of the CIDH piles.

The above recommendations are based on parameters established by our field exploration, engineering judgment, and submitted wall cross-sections.

CONSTRUCTION CONSIDERATIONS AND REQUIREMENTS

The following construction considerations and requirements should be included in the design and construction specifications for the proposed walls and mitigation measures.

Difficult pile installation is anticipated due to presence of caving soils, groundwater and traffic control. Also, hard rock conditions are anticipated although rock conditions are variable. Difficult pile installation is anticipated due to the presence of cobbles and large boulders. The rock has a chaotic structure which results in discontinuous, cobble to boulder sized blocks of formational rock within a soft, intensely weathered to a very stiff, slightly weathered clayey sand/sandy clay matrix.

Groundwater was encountered during drilling operation and may be present for the drilling of the CIDH piles, we believe that minor caving of the drilled holes is possible. Thus, using of casing may be required. If groundwater is encountered, installation of soldier piles may require drilling and placing concrete in wet conditions if de-watering is not desirable. For displacement of groundwater, the contractor may choose to use a closed system using a concrete pump or a tremie tube to place concrete at the bottom of the holes for soldier piles. A positive head should be maintained at all times to reduce potential for concrete segregation.

Piles

Installation of CIDH piles should be performed in accordance with Section 49-4 of the Standard Specifications.

- The drilling and concrete placement for CIDH pile construction shall be staggered. No open holes shall be adjacent.
- Use of casing may be required during drilling in unstable fill to keep the drilled hole walls from collapsing and reduce the amount of dewatering required (if encountered).

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The casing should be removed with the help of continuous vibration to reduce the potential for the concrete to "hang up" on casing.

VI. CORROSION

The Department considers the site to be corrosive to foundation elements if one or more of the following conditions exist for the representative soil and/or water samples taken at the site:

Chloride concentration is greater than or equal to 500 ppm, sulfate concentration is greater than or equal to 2000 ppm, or the pH is 5.5 or less.

The following table provides our corrosion test summary:

| Boring | SIC Number (TL-101) | Sample Depth | Resistivity (Ohm-Cm) | pH | Chloride Content (ppm) | Sulfate Content (ppm) |
|----------|---------------------|--------------|----------------------|-----|------------------------|-----------------------|
| R-10-001 | C634126 | 20'-25' | 2785 | 6.7 | N/A | N/A |

The test results indicate that the site is not corrosive to foundation elements.

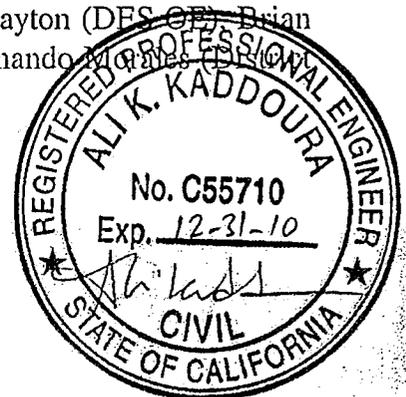
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If you have any questions or need additional information, please call us at (510) 286-4676/4831 or Hooshmand Nikoui, Branch Chief at (510) 286-4811.

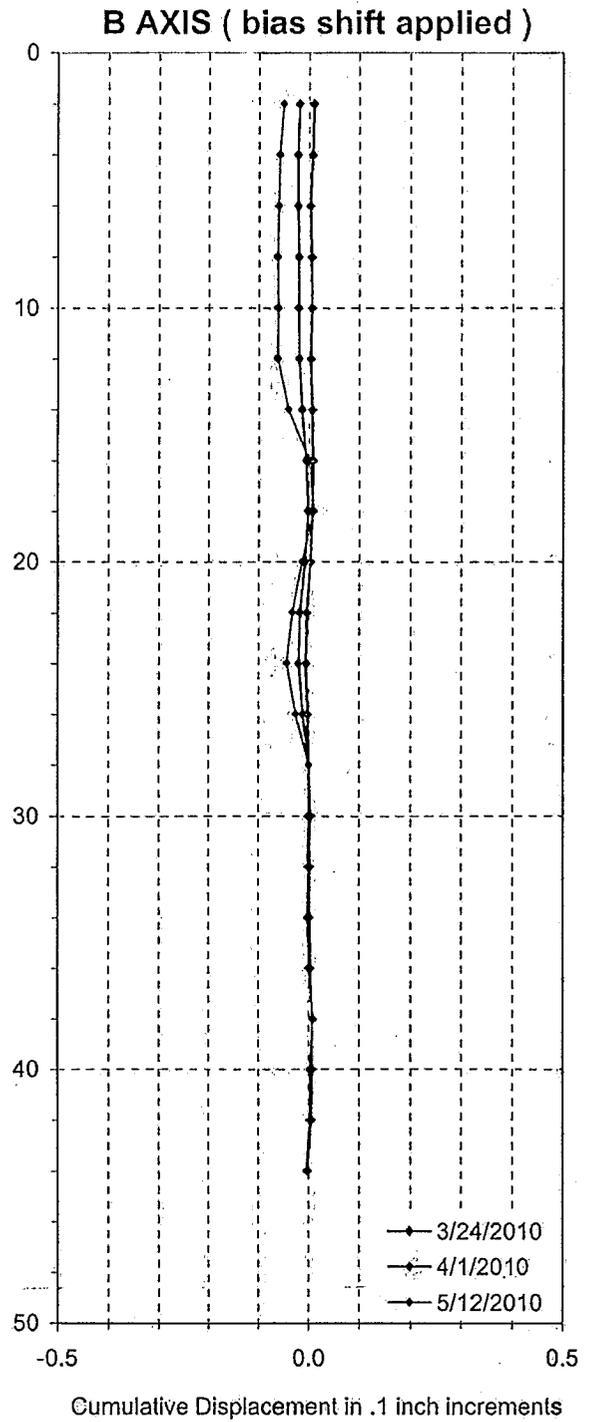
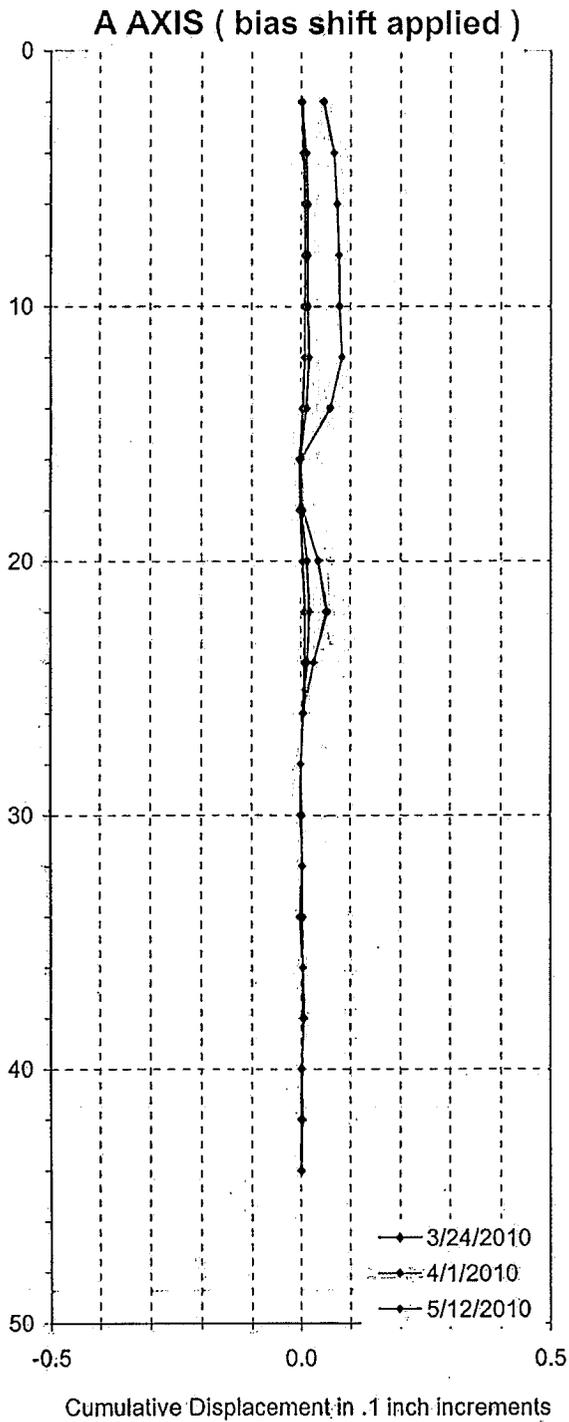
Attachment

c: TPokrywka, HNikoui, MZabolzadeh, AKaddoura - (GS west), Mark Willian (GS Corporate), RE pending File (Structure Construction), John Stayton (DES OP), Brian Kearney (District ME), Jay Haghparast (District 06 PM), Fernando M. Torres (District 06 PE)

Kaddoura/Zabolzadeh/mm/SON-1-PM 34.5- 4S6200 New Report

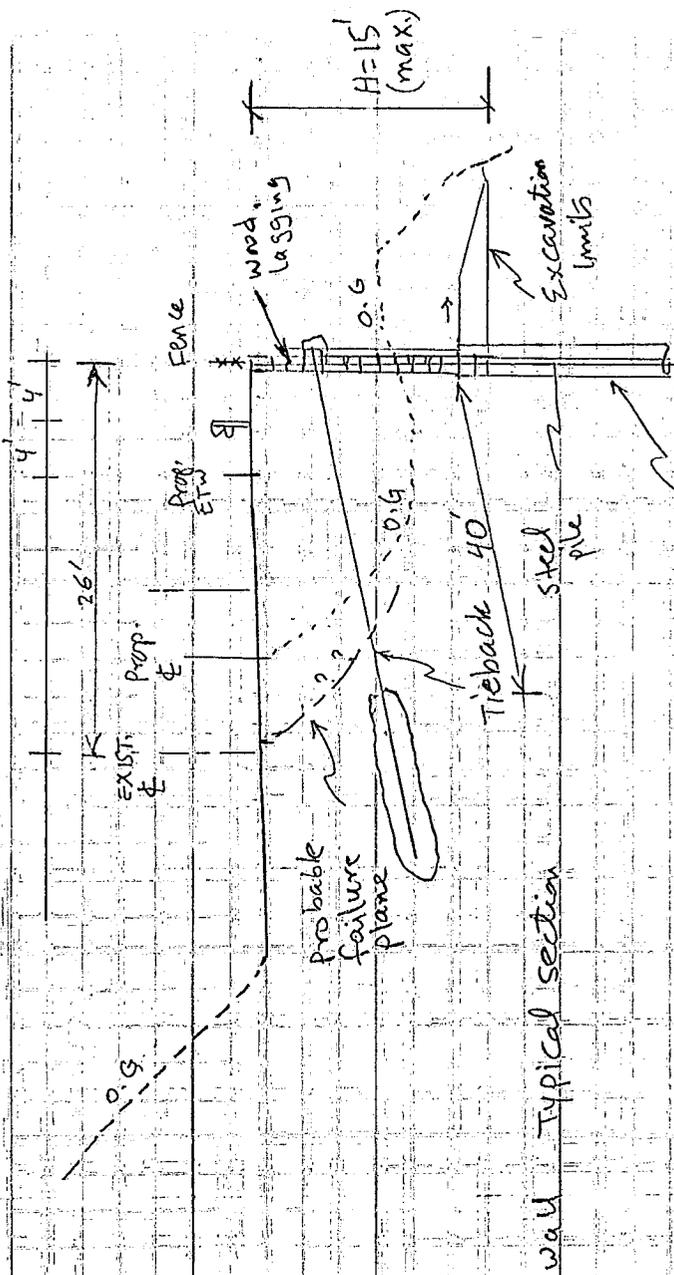


Cumulative Displacement (inches) since 3/16/2010



SI-1
WINDERMERE
 04-SON-1-PM 34.5
 May 17, 2010

CA-Department of Transportation
 DES-OGDW Orinda Field Station
 15 Camino Pablo (925) 254-6504



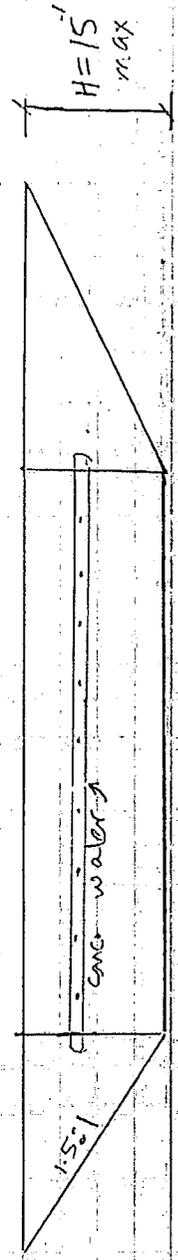
2" ϕ drilled hole

11+35
Beg. wall

11+69

12+66

12+90
End wall



wall elev. view

EXHIBIT A

04-SOVI-1 - PM 34.5
04-456200
Sept. 10



U.S. Geological Survey and California Geological Survey, 2006, Quaternary fault and fold database for the United States, 12/01/2008, from USGS web site: <http://earthquakes.usgs.gov/regional/qfaults/>
 Base map from Google Earth 2008



Regional Fault Map

04-SON-1

PM 34.5

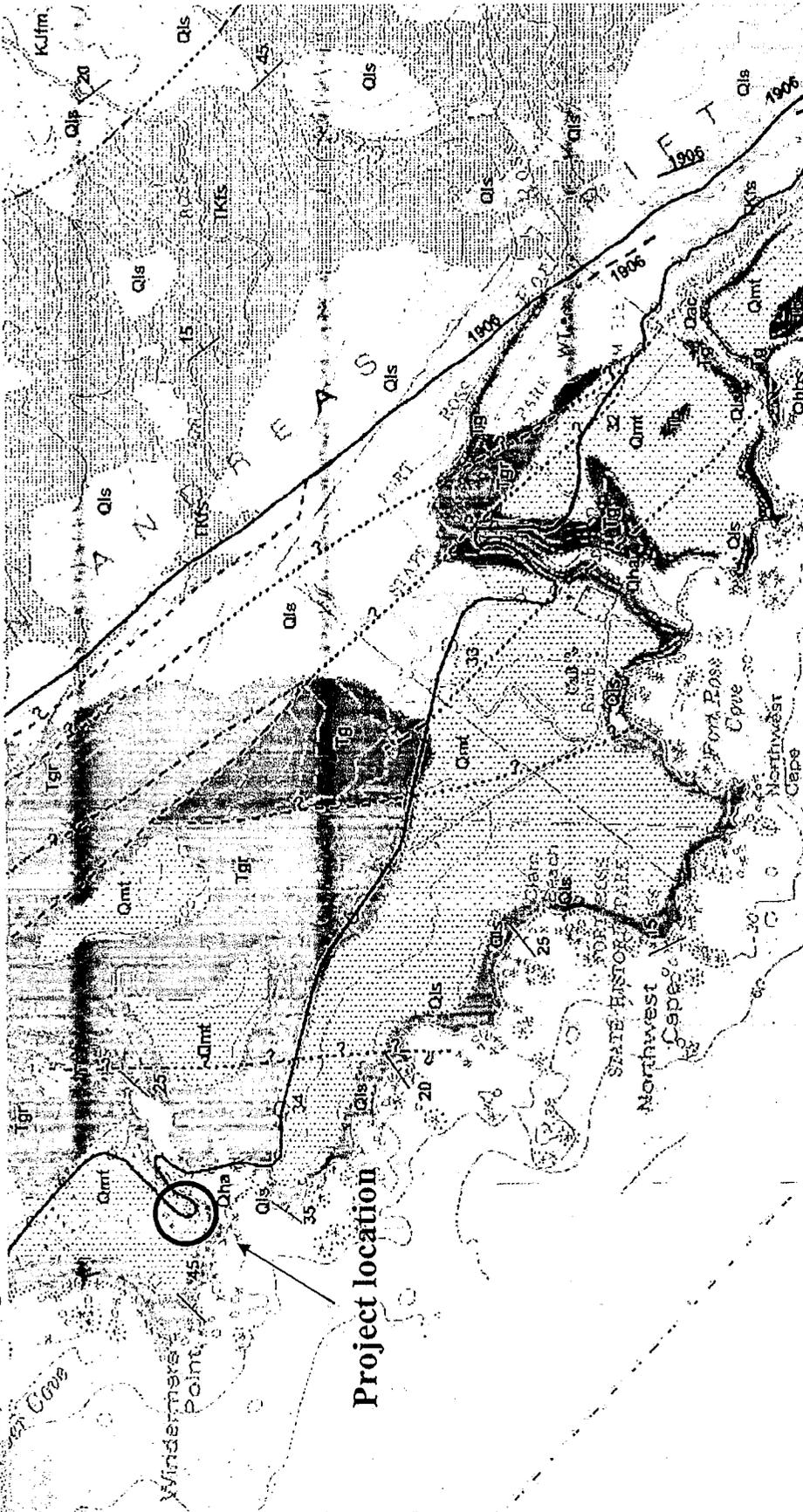
EA 04-4S62400

April 2010

California Geological Survey
John G. Parrish, Ph.D., State Geologist

State of California
The Resources Agency

California Department of Conservation
Bridgett Luther, Director



Geology and Slope Stability Along the Bodega Bay - Fort Ross Highway Corridor

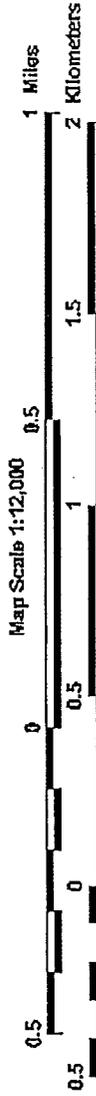
Highway Corridor Geologic Map

Base Map from USGS
Fort Ross & Plantation
7.5 minute Quadrangles

January 1, 2006



Plate 1
Map 13 of 19



Geologic Map

04-SON-1

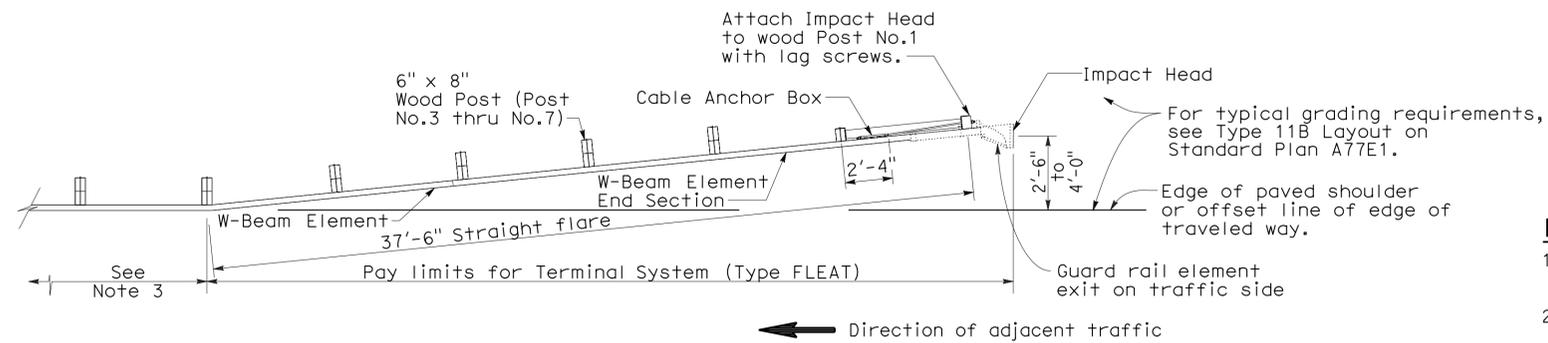
EA 04-4S6200

PM 34.5

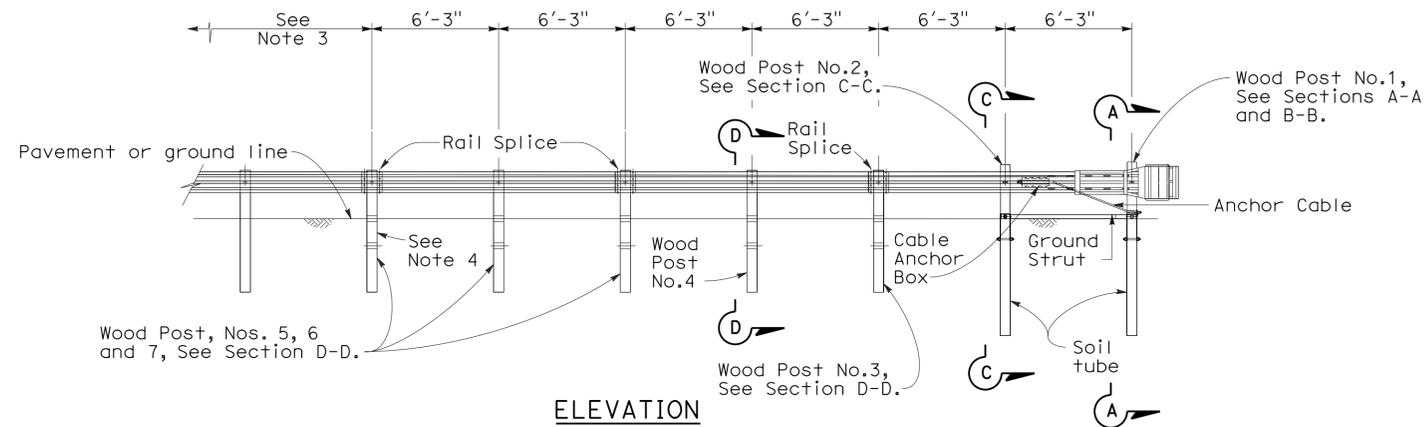
April 2010

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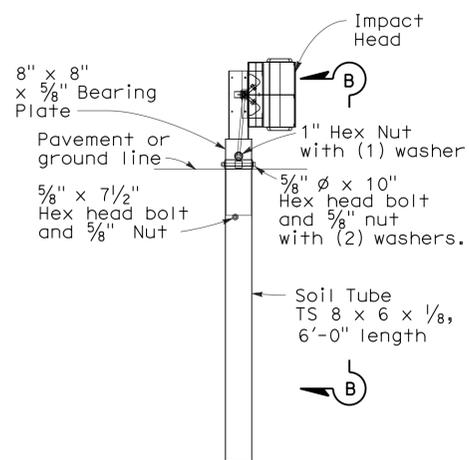
To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



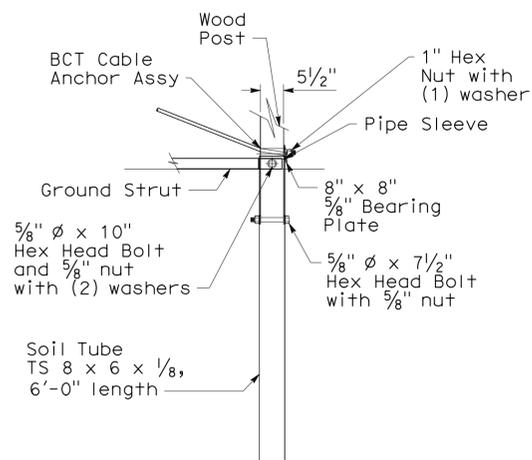
PLAN



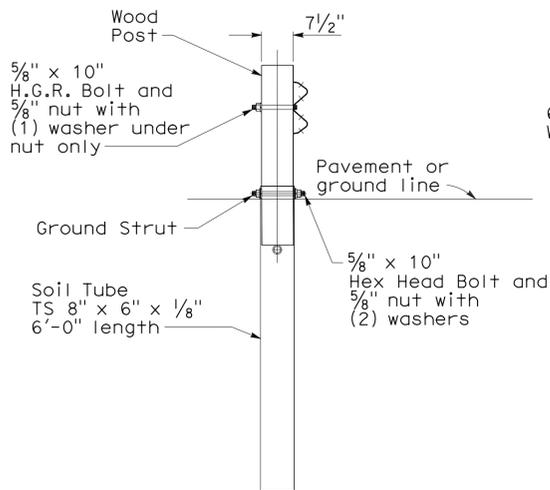
ELEVATION
TERMINAL SYSTEM (TYPE FLEAT)



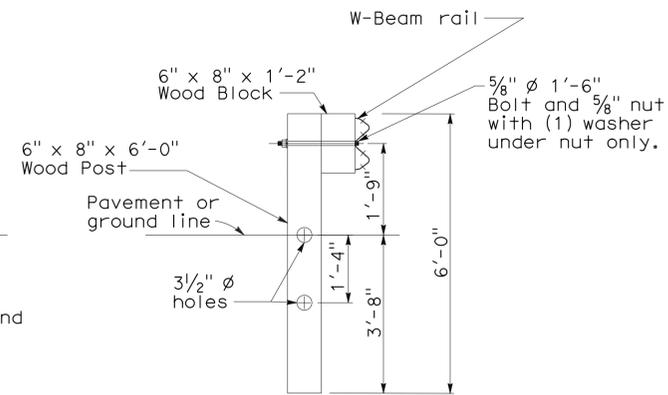
SECTION A-A
Post No.1



SECTION B-B
Partial view Post No.1



SECTION C-C
at Post No.2



SECTION D-D
Post No.3 through No.7.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**METAL BEAM RAILING
TERMINAL SYSTEM
(TYPE FLEAT)**

NO SCALE

A77L5

2006 STANDARD PLAN A77L5

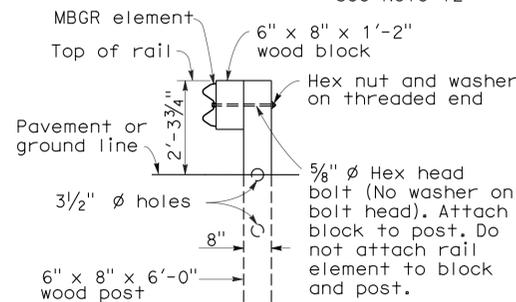
NOTES:

1. For additional details of Terminal System (Type FLEAT), refer to the manufacturer's installation instructions.
2. Terminal System (Type FLEAT) not to be used where extrusion of the rail on the front side of the installation would be in the path of pedestrian traffic.
3. For the length and type of metal beam guard railing or metal barrier railing the terminal system is attached to, see Project Plans. For typical use of this terminal system with guard railing, see the A77E, A77F and A77G Series of the Standard Plans.
4. Attach rail element to this post and block. Payment for this post, block and attaching hardware is included in payment for Terminal System (Type FLEAT).

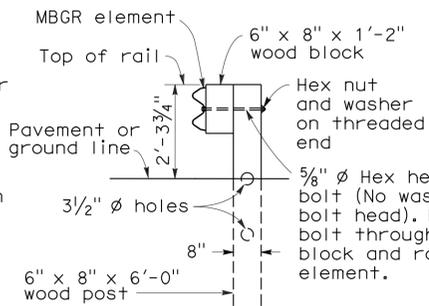
TABLE A
POST OFFSET DIMENSIONS

| Post No. | 3'-0" System End Offset | 3'-6" System End Offset |
|----------|-------------------------|-------------------------|
| 1 | 36" | 42" |
| 2 | 22 1/4" | 27 3/4" |
| 3 | 11 3/4" | 16 1/4" |
| 4 | 6 3/4" | 10 5/8" |
| 5 | 3" | 6" |
| 6 | 3/4" | 2 3/4" |
| 7 | 0" | 3/4" |
| 8 | 0" | 0" |

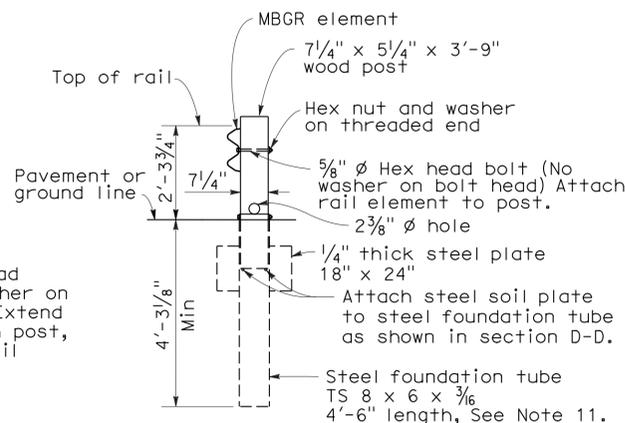
See Note 12



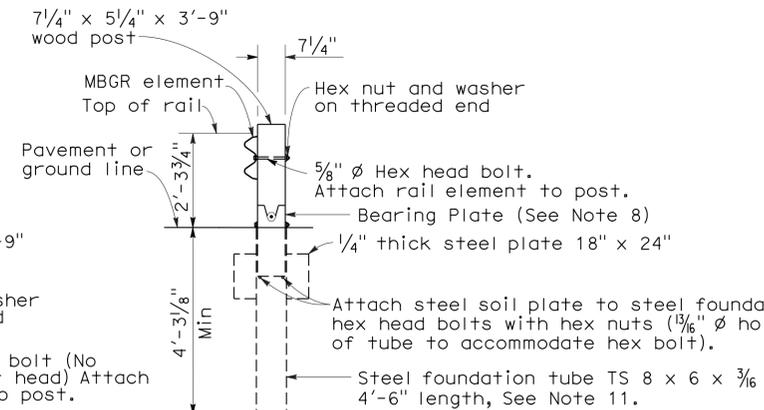
SECTION A-A



SECTION B-B



SECTION C-C



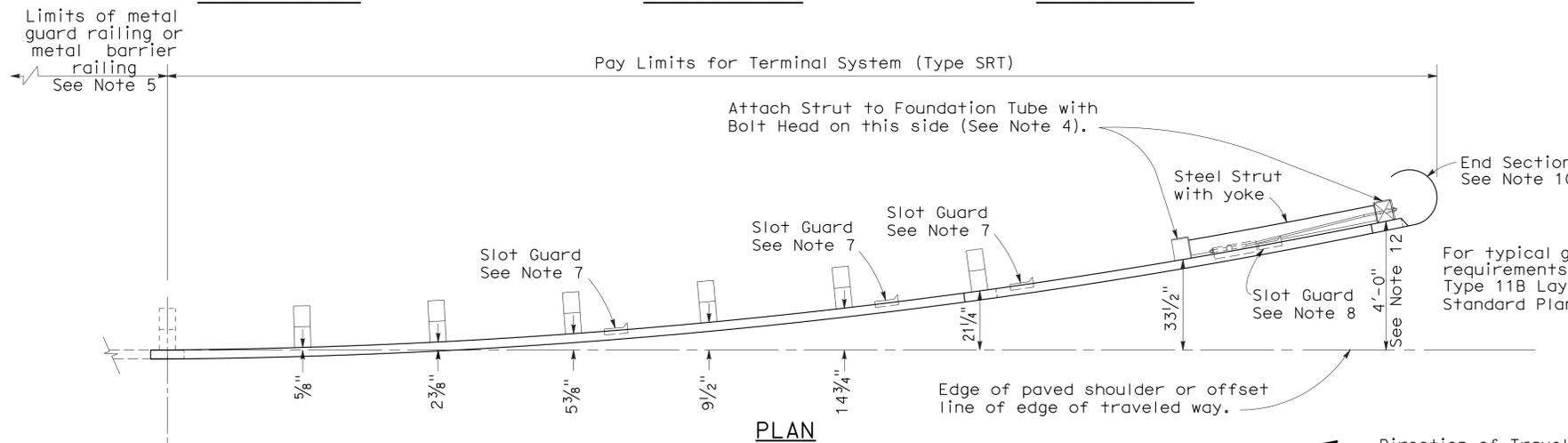
SECTION D-D
(Terminal Section not shown)

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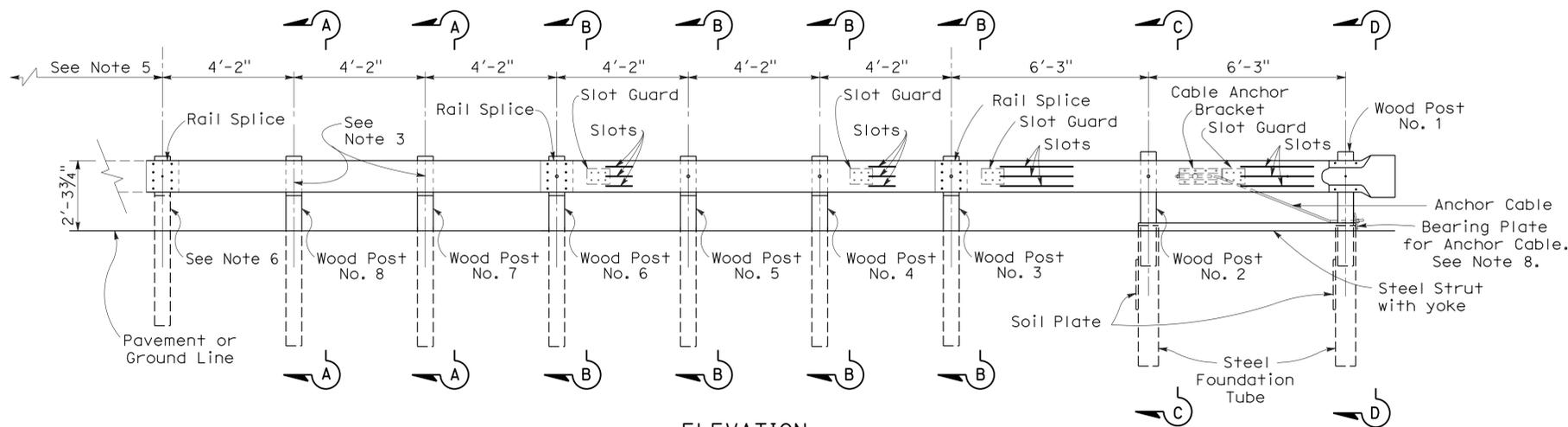
To get to the Caltrans web site, go to: <http://www.dot.ca.gov>

NOTES:

- For additional details of Terminal System (Type SRT), refer to the manufacturer's installation instructions.
- The post offset dimensions are given to the center of the traffic face of the block, except at the first two posts, where the dimension is to the center of the traffic face of the post. Offset points are to be located by chord measurements at the back of the rail equal to the nominal post spacings shown. Posts are to be set approximately radial to the railing at each post locations.
- Do not attach rail elements to posts 7 and 8.
- Attach strut to Post Nos. 1 and 2 foundation tubes with 5/8 inch diameter hex head bolts, washers and hex nuts. Bolts extend through the strut, steel foundation tube, and wood posts.
- For the length and type of metal beam guard railing or metal barrier railing the terminal system is attached to, see the Project Plans.
- Attach rail element to this post and block. Payment for this post, block and hardware is included in payment for the type of railing or barrier the terminal system is attached to, not part of payment for Terminal System (Type SRT).
- The deflector angle of the slot guard is to be positioned immediately downstream of the slots.
- For bearing plate orientation, refer to the manufacturer's installation instructions.
- For typical use of this terminal system with guard railing, see the A77E, A77F and A77G Series of Standard Plans. See Standard Plan A78E for typical use of this terminal system with single thrie beam barrier.
- A complete wrap around end section may continued to be used in existing installations. New installations shall be constructed with the 3/4 wrap end section shown.
- A 6'-0" length steel foundation tube, TS 8 x 6 x 3/16 without a soil plate, may be furnished and installed in place of the 4'-6" length steel foundation tube and soil plate shown. Minimum embedment of the 6'-0" length tube shall be 5'-9". A 5/8 inch diameter hex head bolt and nut shall be installed in the hole in 6'-0" length tube to keep the wood post from dropping into the tube.
- Where site conditions will not accommodate use of the standard 4'-0" system end offset, 3'-6" or 3'-0" system end offsets, as applicable, may be used. See Table A for post offset dimensions for 3'-6" and 3'-0" system end offsets.



PLAN



ELEVATION

TERMINAL SYSTEM (TYPE SRT)

(8 Post System)
See Note 9

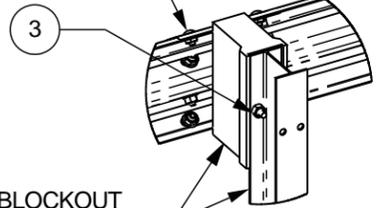
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**METAL BEAM RAILING
TERMINAL SYSTEM
(TYPE SRT)**

NO SCALE

A77L1

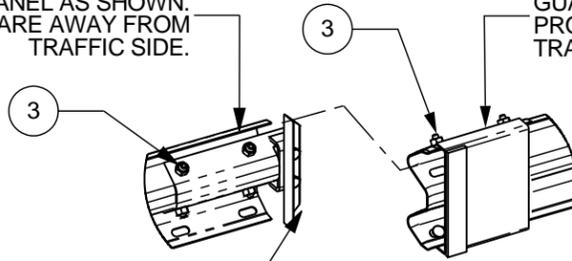
2006 STANDARD PLAN A77L1

8X SHEAR BOLTS
PART OF ITEM 2.



DETAIL 'C'

ATTACH SLIDER BRACKET P/O ITEM 1 TO
END OF GUARDRAIL PANEL AS SHOWN.
ENSURE THAT HEX NUTS ARE AWAY FROM
TRAFFIC SIDE.



DETAIL 'B 1'

SLIDE GUARDRAIL PANEL P/O ITEM 1 OVER END OF
GUARD RAIL 1 SECURE IN PLACE USING HARDWARE
PROVIDED. ENSURE THAT HEX NUTS ARE ON
TRAFFIC SIDE.

REMOVED ANGLED BRACKET
WHEN SLIDING GUARDRAIL 1 WITH
SLIDER PANEL OVER GUARDRAIL 2.
REATTACH ANGLE BRACKET.

SLIDER PANEL ON TRAFFIC SIDE
SLIDER BRACKET ON INSIDE OF
GUARDRAIL PANEL.

PASS 2X CABLE ASSEMBLIES
BETWEEN GUARDRAIL PANELS
AND BLOCKOUTS.

USE GUARDRAIL HARDWARE PROVIDED
P/O ITEM 3 TO SECURE BLOCKOUT TO POST.
GUARDRAIL IS NOT BOLTED TO THE
BLOCKOUT OR POST.

POST & BLOCKOUT
P/O ITEM 4.

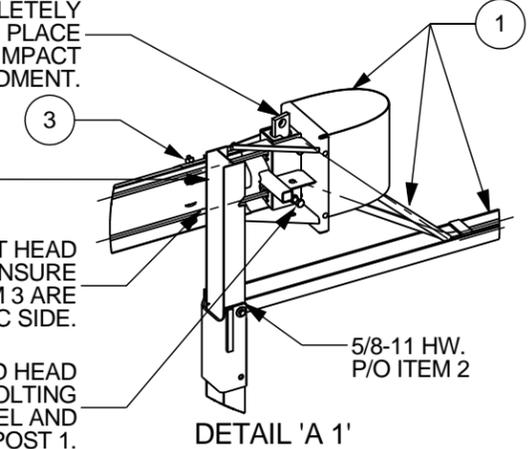
DETAIL 'B 2'

USING A PRY BAR TURN FRICTION PLATE P/O ITEM 1
COUNTER CLOCKWISE UNTIL IS COMPLETELY
AGAINST LOCKING MECHANISM, SECURE IN PLACE
USING 4X BOLTS P/O ITEM 2 ON SIDE OF IMPACT
HEAD WELDMENT.

NO BLOCKOUT AT POST 1.

WHEN MOUNTING IMPACT HEAD
WELDMENT TO GUARD RAIL ENSURE
THAT HEX NUTS P/O ITEM 3 ARE
ON TRAFFIC SIDE.

USE BLOCKOUTS TO HOLD HEAD
WELDMENT UP WHILE BOLTING
IT TO THE GUARDRAIL PANEL AND
POST 1.



DETAIL 'A 1'

TIGHTEN CABLE ASSEMBLIES UNTIL
THEY ARE NOT VISIBLY SAGGING
BETWEEN POSTS. (THERE IS NO TORQUE
REQUIREMENT FOR THE CABLES).

CABLE BRACKET
P/O ITEM 1.

DETAIL 'D'

ENSURE THAT HEX
NUTS ARE ON INSIDE
OF GUARDRAIL PANEL.

SEE DETAIL 'C'

SEE DETAIL 'A 1 & A 2'

SEE DETAIL 'B 1 & B 2'

PASS CABLE ASSEMBLY UNDER THE STEEL
STRAP ON THE GROUND STRUT AND FORWARD
THROUGH THE HOLES AT FRONT END OF
GROUND STRUT. THEN PASS CABLE ASSEMBLY
THROUGH LOWER HOLE IN IMPACT HEAD
WELDMENT AND THROUGH FRICTION PLATE AND
OUT THE BACK SIDE OF THE IMPACT HEAD.
(REPEAT FOR SECOND CABLE ASSEMBLY TO
PASS THROUGH UPPER HOLE IN IMPACT HEAD
WELDMENT).

SQUARE WASHER
ON THIS SIDE. ROUND
WASHER OTHER SIDE.
P/O ITEM 2

4X RIVET NYLON
TREE P/O ITEM 2.

DETAIL 'A 2'

REF. STRING LINE

SEE DETAIL 'D'

OFFSET POST 3 1/2" AWAY
FROM TRAFFIC TO MAKE IT
EASIER TO PUSH GUARDRAIL
WITH SLIDER PANEL OVER
GUARDRAIL 2.

1 1/2" OFFSET POST 2 AWAY FROM TRAFFIC
PER DIMENSION SHOWN.

8 1/2"

6X 28 11/16" [545]
21 7/16"

SEE DETAIL 'D'

43'-4"

4X 75" (=300")

75"

63 13/16"

4X M20X2.5 BOLTS
P/O ITEM 2.

DETAIL 'A 2'

3 1/8" MAX

REF. G.L.

5X 43 1/2"

63 1/4"

68 1/8"

BEGIN STANDARD HIGHWAY
W-BEAM GUARDRAIL.

POST 6

POST 5

POST 4

POST 3

POST 2

POST 1

SOIL ANCHOR

NOTES: UNLESS OTHERWISE SPECIFIED

- SYSTEM TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.
- ONLY TIGHTEN THE CABLE ASSEMBLIES USING THE NUTS AT THE CABLE BRACKET (SEE DETAIL 'D'). DO NOT TIGHTEN THE CABLES AT THE FRONT OF THE GROUND ANCHOR.
- WHEN DRIVING STEEL POST, ENSURE THAT A DRIVING CAP WITH TIMBER OR PLASTIC INSERT IS USED TO PREVENT DAMAGE TO THE GALVANIZING TO THE TOP OF THE POST.

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The information here on is
proprietary to Barrier Systems
Inc. shall not be disclosed,
duplicated or used otherwise
without the express written
approval of Barrier Systems Inc.

| REV. | CHANGES | DATE | BY | REQ'D | NEXT ASSY. | ITEM |
|------|--------------|---------|-----|-------|------------|------|
| B | SEE ECN# 942 | 8/31/07 | AEM | | | |
| A | SEE ER# 531 | 8/08/07 | AEM | | | |

| | | |
|---|------|-------|
| SCALE: 1:50 | | |
| DRAWN BY | DATE | INIT. |
| APPR'D BY | | |
| TITLE: | | |
| X-TENSION GUARDRAIL TERMINAL SYSTEM STEEL POST WITH COMPOSITE BLOCKOUT | | |

| | |
|--------------------|---------|
| Standard Tolerance | |
| Angular | ± 1/2° |
| Fractional | ± 1/16" |
| Dec. XXX= | ± .010 |
| Dec. XX= | ± .030 |

| | | |
|--|----------------|-----|
| BARRIER SYSTEMS INC | | |
| 180 RIVER RD, RIO VISTA, CA 94571 TEL: 707-374-6800 FAX: 707-374-6801 | | |
| SHEET | DRAWING NUMBER | REV |
| 1 OF 1 | XTGTSS3 | B |

DEPARTMENT OF TRANSPORTATION**DISTRICT 6**

855 M STREET, SUITE 200
FRESNO, CA 93721-2716
PHONE (559) 445-6172
FAX (559) 445-6236
TTY (559) 488-4066



*Flex your power!
Be energy efficient!*

February 17, 2012

Liz Burko
Russian River District Superintendent
Russian River District Headquarters
25381 Steelhead Blvd.
Duncans Mills, CA 95430

SUBJECT: Storm Damage Project on SR 1, Post Mile 34.5 and De Minimis 4(f) Concurrence Request for Highway Improvements in the Russian River District, Sonoma, County.

Dear Ms. Burko,

The California Department of Transportation (Caltrans) requests your concurrence on a *De Minimis 4(f) finding* for highway improvements that are anticipated to take place on land owned by the National Park Service, Russian River District.

De Minimis 4(f)

Since the mid-1960s, federal transportation policy has reflected an effort to preserve the beauty and integrity of publicly owned public parks and recreation areas, waterfowl and wildlife refuges, and historic sites considered to have national, state or local significance. The Department of Transportation Act of 1966 (DOT Act) included a special provision to carry out this effort in 23 CFR 774.17, Section 4(f). Section 6009 (a) of the Safe, Accountable, Flexible, Efficient Transportation Equity Act, A legacy for Users (SAFETEA-LU), amended existing Section 4(f) legislation, to simplify the processing and approval of projects that have only a de minimis impact on lands protected by Section 4(f). De minimis impacts as defined on publicly owned parks, recreation areas, and wildlife and waterfowl refuges as those that *do not adversely affect* the activities, features and attributes for which the property qualifies as a *4(f) resource*. The criteria for making a *de minimis finding* are:

- (A) the property qualifies under 23 CFR 774.17, Section 4(f) as a 4(f) resource, and that *use* of the property has been determined.
- (B) the impacts *do not adversely affect* the activities, features and attributes for which the property qualifies as a Section 4(f) resource.
- (C) after public notice and opportunity for public review and comment, it is determined there would not be an adverse affect to the activities, features, and attributes of the 4(f) property.
- (D) received concurrence of the de minimus finding from the officials with jurisdiction over the park, recreation area, or wildlife or waterfowl refuge.

Project Information

Project specific information is included with this letter. Please review the project purpose and need statement, description of the project, a location map, a typical cross-section, and a layout map showing an area of Fort Ross property where a permanent easement is necessary to stabilize a section of State Route 1 at post mile 34.5. A segment of the proposed Coastal Trail will intersect the planned right-of-way to be required for this project. Caltrans will include the coastal trail and easement in the right-of-way agreement with State Parks. This will allow for an uninterrupted trail alignment through the project area.

Public Notification

As required by Caltrans procedure, public notification was been posted in The Press Democrat on Sept 6, 2011, and on the NPS website <http://www.parks.ca.gov> Please see enclosed example. Public notice flyers were posted at various locations within the park and other locations in the Fort Ross/Russian River District area. These public announcements gave the public an opportunity to comment on the De Minimis 4(f) finding. The public was invited to send in written comments via traditional mail or email. The comment period was Sept 6, 2011 through Oct 5, 2011.

At this time, Caltrans has not received any comments from federal, state, and local agencies, as well as individuals, regarding the De Minimis 4(f) finding.

Findings

Caltrans has made a determination that the proposed project would not "adversely affect" the proposed Coastal Trail located within and adjacent to the permanent easement (0.74acres) that is needed from State Park for the construction of the retaining wall. Additionally, this change will not adversely affect any other activities, features, and attributes of the park.

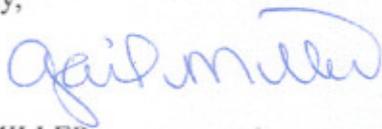
As stated above, Caltrans must receive your concurrence in order to comply with the De Minimis 4(f) guidelines. For your convenience, a signature box is provided below for concurrence that the proposed project would not adversely affect the activities, features, and attributes of the park.

Please send us the signed letter in the self addressed/stamped envelope provided.

Signature:  Date: 2-17-12
Superintendent, Russian River District

If you have any questions, please contact Gail Miller, Senior Environmental Planner at (559) 445-6172, gail_miller@dot.ca.gov, or at the above address.

Sincerely,



GAIL MILLER
Senior Environmental Planner

RIGHT OF ENTRY PERMIT

4-SON-1-P.M. 34.5
Parcels 62390 & 62391
E.A. 4S6209 (04 0000 1252)

Agency: Department of Parks and Recreation

Project: Highway One Repair and Retaining Wall at
PM 34.5, Fort Ross SHP, Sonoma County

This Right of Entry Permit (Permit) is made and entered into this 28th day of March 2013 between the State of California, acting by and through its Department of Parks and Recreation, hereinafter called **DPR**, and the California Department of Transportation, hereinafter called **Permittee**; DPR and Permittee may hereinafter be referred to as a Party, or collectively the Parties.

RECITALS

- **Whereas**, the DPR owns, operates and maintains the State Park known as Fort Ross State Historic Park, in the County of Sonoma, State of California; and
- **Whereas**, Permittee has applied to DPR for permission to access Fort Ross State Historic Park for purposes of carrying out Permittee's highway repair and retaining wall project (the Project); and
- **Whereas**, the DPR desires to accommodate Permittee's application for permission to enter Fort Ross SHP for purposes of the Project, as provided herein and as, and to the extent, such Project may be ultimately described, permitted, approved and conditioned by the following: Permittee's environmental document entitled Replace Existing Pavement and Construct Soldier Pile Wall, State Project # 04-4S6200, Categorical Exemption dated November 30, 2010 and re-validated March 21, 2012, attached hereto as Exhibit "A" and herein incorporated by reference: Permittee's Coastal Development Permit # CPH11-0004, dated August 14, 2012, attached hereto as Exhibit "B", and as may be conditioned by any other regulatory agency having jurisdiction, if applicable: Right Of Entry Permitted Use Areas, attached hereto as Exhibit "C" and herein incorporated by reference: Coastal Trail Construction Drawings (Layout L-2 and Construction Details C-2), attached hereto as Exhibit "D", identifying DPR approved construction details of a segment of the California Coastal Trail contained in the project use area, and herein incorporated by reference.

TERMS AND CONDITIONS

Now therefore, DPR by this Permit hereby grants to the Permittee permission to enter upon DPR's property, conditioned upon the agreement of the Parties that this Permit does not create or vest in Permittee any interest in the real property herein described or depicted, that the Permit is revocable and non-transferable, and that the Permit is further subject to the following terms and conditions:

1. **Project Description:** By this Permit, DPR hereby grants to the Permittee permission to enter onto those lands at and immediately adjacent to State Highway One at post mile marker 34.5, and as depicted on the attached map as Exhibit "C" (the Property), attached hereto and herein incorporated by this reference, solely for the purpose of Highway Repairs, retaining wall construction, and trail construction as per attached Exhibit "D".
2. **Permit Subject to Laws and Regulatory Agency Permits:** This Permit is expressly conditioned upon Permittee's obtaining any and all regulatory permits or approvals required by the relevant regulatory agencies for the Project and Permittee's use of the Property, and upon Permittee's compliance with all applicable municipal, state and federal laws, rules and regulations, including all State Park regulations. Permittee shall, at Permittee's sole cost and expense, comply with the Project Description, and requirements and mitigations contained in referenced exhibits and documents.

Prior to commencement of any work, Permittee shall obtain all such legally required permits or approvals and submit to DPR full and complete copies of all permits and approvals, including documentation related to or referenced in such permits and approvals, along with the corresponding agency contact and telephone numbers, and related California Environmental Quality Act (CEQA) and/or National Environmental Policy Act (NEPA) documentation as applicable.

3. **Term of Permit:** This Permit shall only be for the period beginning on January 2, 2014 and ending on January 2, 2015 or as may be reasonably extended by written mutual agreement of the Parties.
4. **Consideration:** Permittee agrees to pay State the sum of One Thousand Five Hundred and No/100 Dollars (\$1500.00) as consideration for the rights granted by this Permit. Payment is due upon execution of this Permit.

- 5. Permit Subject to Existing Claims:** This Permit is subject to existing contracts, permits, licenses, encumbrances and claims which may affect the Property.
- 6. Waiver of Claims and Indemnity:** Permittee waives all claims against DPR, its officers, agents and/or employees, for loss, injury, death or damage caused by, arising out of, or in any way connected with the condition or use of the Property, the issuance, exercise, use or implementation of this Permit, and/or the rights herein granted. Permittee further agrees to protect, save, hold harmless, indemnify and defend DPR, its officers, agents and/or employees from any and all loss, damage, claims, demands, costs and liability which may be suffered or incurred by DPR, its officers, agents and/or employees from any cause whatsoever, arising out of, or in any way connected with this Permit, exercise by Permittee of the rights herein granted, Permittee's use of the Property and/or the Project for which this Permit is granted, except those arising out of the sole active negligence or willful misconduct of DPR. Permittee will further cause such indemnification and waiver of claims in favor of DPR to be inserted in each contract that Permittee executes for the provision of services in connection with the Project for which this Permit is granted.
- 7. Contractors:** Permittee shall incorporate the terms, conditions and requirements contained herein when contracting out all or any portion of the work permitted hereunder. Permittee shall be responsible for ensuring contractor/subcontractor compliance with the terms and conditions contained herein. Failure of Permittee's contractors to abide by DPR's terms and conditions shall constitute default by Permittee (see DEFAULT paragraph below) allowing State to terminate this Permit and seek all legal remedies.
- 8. Insurance Requirements:** As a condition of this Permit and in connection with Permittee's indemnification and waiver of claims contained herein, Permittee shall maintain, and cause its contractors to maintain, a policy or policies of insurance as follows:

Permittee shall maintain motor vehicle liability with limits of not less than \$1,000,000 per accident. Such insurance shall cover liability arising out of a motor vehicle, including all owned, hired, and non-owned motor vehicles.

Permittee shall maintain statutory Workers' Compensation and employer's liability insurance coverage in the amount of \$1,000,000/employee/disease/each accident, for all its employees who will be engaged in the performance of work on the Property, including special extensions where applicable. Said policy shall include a waiver of subrogation in favor of DPR. If the permittee has no employees and/or the owner(s) have elected not to be covered by workers' compensation, Permittee shall provide DPR with a written confirmation that Permittee is not required to be, and/or has elected not to be, covered by Workers' Compensation.

Permittee shall procure commercial general liability insurance at least as broad as the most commonly available ISO policy form CG 0001 covering premises operations, products/completed operations, personal/advertising injury and contractual liability with limits not less than \$1,000,000 per occurrence and \$2,000,000 general aggregate. Said policy shall apply separately to each insured against whom any claim is made or suit is brought subject to the Permittee limits of liability

Each policy of insurance required by this provision shall: (a) be in a form, and written by an insurer, reasonably acceptable to DPR; (b) be maintained at Permittee's sole expense; and (c) require at least thirty (30) days written notice to DPR prior to any cancellation, non-renewal or material modification of insurance coverage.

Insurance companies issuing such policies shall have a rating classification of "A-" or better and financial size category ratings of "VII" or better according to the latest edition of the A.M. Best Key Rating Guide. All Insurance companies issuing such policies shall be licensed admitted insurers or eligible surplus lines insurers authorized to do business in the State of California.

Said motor vehicle liability and commercial general liability policies shall contain an endorsement naming the CALIFORNIA DEPARTMENT OF PARKS AND RECREATION as an additional insured at no cost to State.

Permittee shall provide to DPR evidence that the insurance required to be carried by this Permit, including the endorsements affecting the additional insured status and waiver of subrogation, is in full force and effect and that premiums therefore have been paid. Such evidence shall, at DPR's discretion, be in either the form of an ACORD Form (Certificate of Insurance) or DPR Form 169A (Certificate of Insurance for Concession Contracts/Special Events), or a certified copy of the original policy, including all endorsements.

Permittee is responsible for any deductible or self-insured retention contained within the insurance program.

Should Permittee fail to keep the specified insurance in effect at all times, Permittee shall be considered to be in default of this Permit, and DPR may, in addition to any other remedies it has, terminate this Permit.

Permittee shall require and ensure that all contractors and subcontractors have adequate insurance meeting the coverage requirements in this provision.

Any insurance required to be carried shall be primary and not excess to any other insurance carried by DPR.

Coverage shall be in force for the complete term of this Permit, including any extension thereof, and for all work being done for which this Permit is required.

9. **Reservation of Rights:** DPR reserves the right to use the Property in any manner, provided such use does not unreasonably interfere with Permittee's rights herein.
10. **Access Limits and Conditions:** Access to the Property shall be limited to areas and routes of travel as shown on Exhibit "C" or as designated by DPR. Permittee shall maintain and allow public access to the Windermere Point Day Use Parking Area (Exhibit "C") during the full term of the Project.
11. **Notice of Work:** Any required notices to DPR shall be sent to the State authorities in charge of Fort Ross State Historic Park named below. At least forty-eight (48) hours prior to any entry upon the Property for any of the purposes hereinabove set forth, Permittee shall provide DPR contact[s] named below with written notice of Permittee's intent to enter the Property. Permittee shall also notify the State contact[s] listed below in writing at least five (5) days prior to any change in the Project schedule or cessation or completion of work. Should State personnel need to contact Permittee, State shall notify Permittee's contact person listed below:

DPR CONTACT:

Contact: Gary Shannon
District: Russian River
Address: P.O. Box 123
Duncans Mills, CA 95430
Telephone: 707-865-3132
E-mail: gary.shannon@parks.ca.gov

PERMITTEE'S CONTACT:

Contact: Allison G. Paich
District: 4
Address: 111 Grand Avenue
Oakland, CA 94612
Telephone: (510) 286-5406
E-mail: allison_paich@dot.ca.gov

12. **Limits of Work:** In no event shall this Permit authorize work in excess or contrary to the terms and conditions of any regulatory agency permit or approval. Under no circumstances, whether or not authorized by any regulatory agency, other permit or any person or entity other than DPR, shall work exceed that which is authorized by this Permit.
13. **Public Safety:** Permittee shall erect temporary construction fencing and appropriate signage prior to commencement of work to prevent public access to the construction zone and identified materials and equipment storage areas. Permittee shall remove such fencing within two (2) days after the completion of work. Permittee shall take, and shall cause its contractors or subcontractors to take, any and all necessary and reasonable steps to protect the public from harm in connection with the Project or implementation of this Permit.
14. **Compliance with Monitoring and Mitigation Measures:** Resource monitoring and mitigation measures identified by the Project environmental documents and permits shall be completed in accordance with and to the satisfaction of the District Superintendent or designee.

Permittee's activities conducted under this Permit shall comply with all State and Federal environmental laws, including, but not limited to, the Endangered Species Act, CEQA, and Section 5024 of the Public Resources Code.

Any of Permittee's archaeological consultants working within the boundaries of the Property shall obtain a permit from the California State Parks Archaeology, History & Museums Division prior to commencing any archaeological or cultural investigations of the Property.

Permittee shall immediately advise DPR's contact person if any new site conditions are found during the course of permitted work. DPR will advise Permittee if any new historical resources (including archaeological sites), special status species, threatened/endangered species protocols, or other resource issues are identified within the Project site. Permittee shall abide by District Superintendent or designee's instructions to protect the resource(s) during the permitted work or risk revocation of the Permit.

Permittee shall make all excavation activities on the Property available to the State Archaeologist for observation and monitoring. During excavation, the State archaeological monitor may observe and report to DPR on all excavation activities. State archaeological monitor shall be empowered to stop any construction activities as necessary to protect significant cultural resources from being disturbed.

In the event that previously unknown cultural resources, including, but not limited to, dark soil containing shell, bone, flaked stone, groundstone, or deposits of historic trash are encountered during Project construction by anyone, work will be suspended at that specific location, and the Permittee's work will be redirected to other tasks, until after a State-qualified archaeologist has evaluated the find and implemented appropriate treatment measures and disposition of artifacts, as appropriate, in compliance with all applicable laws and department resource directives.

If human remains are discovered during the Project, work will be immediately suspended at that specific location and the District Superintendent or designee shall be notified by Permittee. The specific protocol, guidelines and channels of communication outlined by the California Native American Heritage Commission (NAHC), and/or contained in Health and Safety Code Section 7050.5 and Public Resources Code Sections 5097.9 et seq., will be followed. Those statutes will guide the potential Native American involvement in the event of discovery of human remains.

Permittee shall provide a written work schedule to DPR so that the State archaeological monitor can arrange to be on site on the necessary days. Permittee shall provide reasonable advance notice of and invite the District Superintendent or designee to any preconstruction meetings with the prime contractor or subcontractors.

- 15. Restoration of Property:** Permittee shall complete the restoration, repair, and revegetation of the Property in consultation with, and to the satisfaction of, the DPR Environmental Scientist within one (1) year after completion of the Project or the expiration or termination of this Permit, whichever comes first. This obligation shall survive the expiration or termination of this Permit.

Permittee shall submit to DPR, for their approval, prior to the start of work, a revised erosion control plan that includes identified plant species and materials to be used for erosion control and/or revegetation purposes.

- 16. Performance Bond:** If required by DPR in order to ensure that Permittee performs and completes its obligations in accordance with the terms of the Permit, Permittee shall obtain a Performance Bond in the amount of from a surety duly licensed in the State of California. Permittee shall provide DPR with a copy of such insurance bond.
- 17. Right to Halt Work:** DPR reserves the right to halt work and demand mitigation measures at any time, with or without prior notice to Permittee, in the event that DPR determines that any provision contained herein has been violated, or in the event that cessation of work is necessary to prevent, avoid, mitigate or remediate any threat to the health and safety of the public or state park personnel, or to the natural or cultural resources of the state park.
- 18. Use Restrictions:** The use of the Property by Permittee, including its guests, invitees, employees, contractors and agents, shall be restricted to the daytime hours between sunrise and sunset on a day-by-day basis, unless otherwise approved in advance in writing by DPR. No person shall use or occupy the Property overnight.

Activities on the Property shall be conducted only in a manner which will not interfere with the orderly operation of the state park. Permittee shall not engage in any disorderly conduct and shall not maintain, possess, store or allow any contraband on the Property. Contraband includes, but is not limited to: any illegal alcoholic beverages, drugs, firearms, explosives and weapons.

Roads and trails where motorized vehicles are normally prohibited may be used for vehicle access by Permittee, its employees, agents or contractors for patrol, maintenance or repair purposes only, and only to the extent specified by DPR, and shall be otherwise subject to all other conditions and/or restrictions of this Permit and any applicable laws, state park regulations and state park policies.

Permittee shall not use or allow the Property to be used, either in whole or in part, for any purpose other than as set forth in this Permit, without the prior written consent of DPR.

- 19. DPR's Right to Enter:** At all times during the term of this Permit and any extension thereof, there shall be and is hereby expressly reserved to DPR and to any of its agencies, contractors, agents, employees, representatives, invitees or licensees, the right at any and all times, and any and all places, to temporarily enter upon said Property to survey, inspect, or perform any other lawful State purposes.

Permittee shall not interfere with DPR's right to enter.

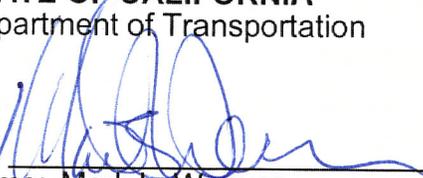
20. **Protection of Property:** Permittee shall protect the Property, including all improvements and all natural and cultural features thereon, at all times at Permittee's sole cost and expense, and Permittee shall strictly adhere to the following restrictions:
- (a) Permittee shall not place or dump garbage, trash or refuse anywhere upon or within the Property, except in self-contained trash receptacles that are maintained to DPR's satisfaction by Permittee.
 - (b) Permittee shall not commit or create, or suffer to be committed or created, any waste, hazardous condition or nuisance in, on, under, above or adjacent to the Property.
 - (c) Permittee shall not cut, prune or remove any vegetation upon the Property, except as identified in the Project description and herein permitted or subsequently approved in writing by the District Superintendent or DPR representative.
 - (d) Permittee shall not disturb, move or remove any rocks or boulders upon the Property, except as identified in the Project description and herein permitted or subsequently approved in writing by the District Superintendent or DPR representative.
 - (e) Permittee shall not grade or regrade, or alter in any way, the ground surface of the Property, except as herein permitted, or subsequently approved in writing by the District Superintendent or DPR representative.
 - (f) Permittee shall not bait, poison, trap, hunt, pursue, catch, kill or engage in any other activity which results in the taking, maiming or injury of wildlife upon the Property, except as identified in the Project description and herein permitted or subsequently approved in writing by the District Superintendent or DPR representative.
 - (g) Permittee shall not use, create, store, possess or dispose of hazardous substances (as defined in the California Hazardous Substances Act) on the Property except as herein permitted, or subsequently approved in writing by the District Superintendent or DPR representative.
 - (h) Permittee shall exercise due diligence to protect the Property against damage or destruction by fire, vandalism and any other causes.
21. **Default:** In the event of a default or breach by Permittee of any of the terms or conditions set forth in this Permit, DPR may at any time thereafter, without limiting DPR in the exercise of any right of remedy at law or in equity which DPR may have by reason of such default or breach:
- (a) Maintain this Permit in full force and effect and recover the consideration, if any, and other monetary charges as they become due, without terminating Permittee's right to use of the Property, regardless of whether Permittee has abandoned the Property; or
 - (b) Immediately terminate this Permit upon giving written notice to Permittee, whereupon Permittee shall immediately surrender possession of the Property to DPR and remove all of Permittee's equipment and other personal property from the Property. In such event, DPR shall be entitled to recover from Permittee all damages incurred or suffered by DPR by reason of Permittee's default, including, but not limited to, the following:
 - (i) any amount necessary to compensate DPR for all the detriment proximately caused by Permittee's failure to perform its obligations under this Permit, including, but not limited to, compensation for the cost of restoration, repair and revegetation of the Property, which shall be done at DPR's sole discretion and compensation for the detriment which in the ordinary course of events would be likely to result from the default; plus
 - (ii) at DPR's election, such other amounts in addition to or in lieu of the foregoing as may be permitted from time to time by applicable law.
22. **DPR's Right to Cure Permittee's Default:** At any time after Permittee is in default or in material breach of this Permit, DPR may, but shall not be required to, cure such default or breach at Permittee's cost. If DPR at any time, by reason of such default or breach, pays any sum or does any act that requires the payment of any sum, the sum paid by DPR shall be due immediately from Permittee to DPR at the time the sum is paid. The sum due from Permittee to DPR shall bear the maximum interest allowed by California law from the date the sum was paid by DPR until the date on which Permittee reimburses DPR.

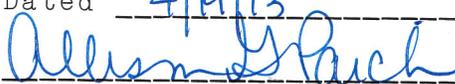
23. **Revocation of Permit:** DPR shall have the absolute right to revoke this Permit for any reason upon ten (10) days written notice to Permittee. Written notice to Permittee may be accomplished by electronic or facsimile transmission, and the notice period set forth in this paragraph shall begin on the date of the electronic or facsimile transmission, or, if sent by mail, on the date of delivery. If Permittee is in breach of the Permit or owes money to the DPR pursuant to this Permit, any prepaid monies paid by Permittee to DPR shall be held and applied by the State as an offset toward damages and/or amounts owed. Nothing stated herein shall limit the DPR's exercise of its legal and equitable remedies.
24. **Recovery of Legal Fees:** In any action brought to enforce or interpret any provisions of this Permit or to restrain the breach of any agreement contained herein, or for the recovery of possession of the Property, or to protect any rights given to DPR against Permittee, and in any actions or proceedings under Title 11 of the United States Code, if the State shall prevail in such action on trial or appeal, the Permittee shall pay to DPR such amount in attorney's fees in said action as the court shall determine to be reasonable, which shall be fixed by the court as part of the costs of said action.
25. **Voluntary Execution and Independence of Counsel:** By their respective signatures below, each Party hereto affirms that they have read and understood this Permit and have received independent counsel and advice from their attorneys with respect to the advisability of executing this Permit.
26. **Reliance on Investigations:** Permittee declares that it has made such investigation of the facts pertaining to this Permit, the Property and all the matters pertaining thereto as it deems necessary, and on that basis accepts the terms and conditions contained in this Permit. Permittee acknowledges that DPR has made, and makes, no representations or warranties as to the condition of the Property, and Permittee expressly agrees to accept the Property in its as-is condition for use as herein permitted.
27. **Entire Agreement:** The Parties further declare and represent that no inducement, promise or agreement not herein expressed has been made to them and this Permit contains the entire agreement of the Parties, and that the terms of this agreement are contractual and not a mere recital.
28. **Warranty of Authority:** The undersigned represents that they have the authority to, and do, bind the person or entity on whose behalf and for whom they are signing this Permit and the attendant documents provided for herein, and this Permit and said additional documents are, accordingly, binding on said person or entity.
29. **Assignment:** This Permit shall not be assigned, mortgaged, hypothecated, or transferred by Permittee, whether voluntarily or involuntarily or by operation of law, nor shall Permittee let, sublet or grant any license or permit with respect to the use and occupancy of the Property or any portion thereof, without the prior written consent of DPR.
30. **Choice of Law:** This Permit will be governed and construed by the laws of the State of California.

STATE OF CALIFORNIA
Department of Parks and Recreation

By: 
Name: Liz Burko
Title: District Superintendent
Address: P.O. Box 123
Duncans Mills, CA 95430

STATE OF CALIFORNIA
Department of Transportation

By: 
Name: Mark L. Weaver
Title: Deputy District Director
Address: 111 Grand Avenue
Oakland, CA 94612

Approved by District 04
Dated 4/19/13

ALLISON G. PAICH
District Office Chief
R/W Acquisition and
Project Management Services

NEPA/CEQA RE-VALIDATION FORM

CONTINUATION SHEET(S)

Address only substantial changes or substantial new information since approval of the original document and only those areas that are applicable. Use the list below as section headings as they apply to the project change(s). Use as much or as little space as needed to adequately address the project change(s) and the associated impacts, minimization, avoidance and/or mitigation measures, if any.

Changes in project design, e.g., substantial scope change; a new alternative; change in project alignment

This project required a Section 4f De Minimis, and consultation with California State Parks-Russian River District. The original scope remains the same. The Right of Way is being acquired from State Parks.

Changes in environmental setting, e.g., new development affecting traffic or air quality;

Changes in environmental circumstances, e.g., a new law or regulation; change in the status of a listed species.

Changes to environmental impacts of the project, e.g., a new type of impact, or a change in the magnitude of an existing impact.

Changes to avoidance, minimization, and/or mitigation measures since the environmental document was approved.

We are accommodating a planned hiking trail within a benchmark near the retaining wall in this project. By doing this we are avoiding an impact to the trail, and minimizing all possible impacts to State Parks. We received the Section 4f De Minimis concurrence from California State Parks-Russian River District on 2/17/12.

Changes to environmental commitments since the environmental document was approved, e.g., the addition of new conditions in permits or approvals. When this applies, append a revised Environmental Commitments Record (ECR) as one of the Continuation Sheets.



Notice of Final Action on a Coastal Permit

Sonoma County Permit and Resource Management Department
2550 Ventura Avenue, Santa Rosa, CA 95403
(707) 565-1900 FAX (707) 565-1103

EXHIBIT 'B'

Date: August 14, 2012

File: CPH11-0004
Applicant: Caltrans
Address: 2015 E. Shields Ave., Ste 100
City, State, Zip: Fresno, CA 93726
Planner: David Hardy

This notice is being distributed to the Coastal Commission and those who requested notice. The following project is located within the Coastal Zone. A project decision has been completed.

Project Description: Request for a Coastal Permit with hearing for repair on Highway 1 at Post Mile 34.5 hairpin, consisting of a 265 foot retaining wall with cable railing, guardrails, and road bed widening.

Project Location: Post Mile 34.5 hairpin, adjacent to 20605 Highway 1, Timber Cove.

Assessor's Parcel Number: 109-090-013

X Approved by the Board of Zoning Adjustments on August 2, 2012.

Conditions of Approval dated August 2, 2012 enclosed.

Findings: The project, as described in the application and as conditioned, conforms with the plans, policies, requirements and standards of the Sonoma County Coastal Program. Specifically:

1. The project, as described in the application and accompanying materials and as conditioned, is consistent with the Goals, Objectives and Policies of Sonoma County General Plan 2020.
2. The project, as described in the application and accompanying materials and as conditioned, conforms with the plans, policies, requirements and standards of the Sonoma County Local Coastal Program. In this specific case, the proposed improvements are necessary to protect an existing, necessary public transportation use that was developed consistent with provisions of the Local Coastal Plan and California Coastal Act.
3. The proposed project is in conformity with the public access and public recreation policies of Chapter 3 of the California Coastal Act (commencing with Section 30200).
4. Based upon the information contained in the project file, the project is exempt from further environmental review pursuant to Section 15302 of the CEQA Guidelines, because the wall repairs damage from an existing small landslide scarp that underlies the southbound lane of Highway 1. While the size of the traffic lane will increase in size by one foot in width and the shoulder will increase to four feet, there will still remain one lane in each direction.
5. Because of the dark paint applied to project surfaces, revegetation with native landscaping, the widening of an existing Class III bikeway, and distance of more than 100 feet from Kolmer Creek, the project is consistent with the applicable policies of the GP2020 regarding bikeways, visual resources, and riparian corridors.
6. The project conforms to the Visual Resource policies of the Local Coastal Plan because the metal guard beams, wooden timbers, steel support H-beams, and the concrete whaler of the wall will be painted a non-reflective dark brown color to blend with the surrounding vegetative character. The use of the dark

painted cable rails will also minimize the visual impact of the project, because the cable rails provide a thin protective barrier and avoid the need for thicker and bulkier rails considered as alternatives. The project will use native plants planted on soil placed to minimize the visibility of the wall when seen from across the gulch.

7. The project conforms to the Transportation policies of the Local Coastal Plan in that it has four-foot wide shoulders considered "standard" in the LCP and implements Policy No. 28 to "provide adequate shoulder width to accommodate bicyclists and pedestrians on Highway 1."
8. LCP Environmental Resource Policy No. 9 requires a 100-foot setback from riparian areas, and Policy No. 10 requires erosion and sediment controls for projects in riparian areas. The subject project is set back more than 100 feet from the water's edge, and it includes erosion control measures, as set forth on Sheet EC-1 and ECD-1. Policies related to Coastal bluffs require erosion control, prohibit removal of soil except for road maintenance, require minimal removal of plants, and they require an engineering geologist's report shows the project will be stable when working on Coastal bluffs. Caltrans has conducted a geotechnical evaluation of the project and concluded that the design and length of the project are the minimum work necessary to prevent further slope instability along this stretch of the highway.

X Appealable. The decision may be appealed in writing to the Sonoma County Board of Supervisors within ten (10) calendar days. The decision of the Board of Supervisors is appealable to the State Coastal Commission within ten (10) working days.

Address:
California Coastal Commission
45 Fremont Street, Suite 2000
San Francisco, CA 94105-2219

Final Conditions of Approval

Date: August 2, 2012
Applicant: Caltrans
Address: 20605 Highway 1, Timber Cove

File No.: CPH11-0004
APN: 109-090-013

Project Description: Request for a Coastal Permit with hearing for repair on Highway 1 at Post Mile 34.5 hairpin, consisting of a 265 foot retaining wall with cable railing, guardrails, and road bed widening.

Prior to commencing the use, evidence must be submitted to the file that all of the following non-operational conditions have been met.

PLANNING:

1. This Coastal Permit allows the applicant to repair on Highway 1 at Post Mile 34.5 hairpin, consisting of a 265 foot retaining wall with cable railing, guardrails, and road bed widening. The use shall be operated in accordance with the proposal statement and site plan located in File# CPH11-0004 unless otherwise modified by these conditions.
2. Within the project area and project limits, Caltrans shall remove by manual means invasive non-native plants such as ivy, iceplant, pampas grass, gorse, broom, and Pride of Madeira. Revegetation shall be accomplished with deep-rooted, native, drought resistant perennial plants indigenous to the Sonoma County coastal scrub environment. Prior to commencement of construction, Caltrans shall indicate the method of irrigation to establish the planting and provide a list of replacement species to PRMD and the District Landscape Architect for California State Parks for review and approval.
3. The metal beam guard rail and posts, cables and upright posts of the cable railing, steel H-beams to support the wood lagging, the treated wood lagging, the horizontal whaler beams of the wall, and any other metal work on the wall shall be painted or stained with a dark non-reflective coating so as to blend the projects with the wooded coastal scrub landscaping. Cables in the cable railing do not need to be painted if they use Corten cable.
4. From the intersection of State Route 1 with the Windermere Point driveway (approximate station 15+00) southbound to Kolmer Gulch beach, Caltrans shall construct the portion of the California Coastal Trail within the project area and proposed project limits, according to the design and specifications as set forth in the State Parks approved environmental document for the trail.
5. From the intersection of State Route 1 with the Windermere Point driveway (approximate station 15+00) northbound, Caltrans shall grant an encroachment permit or easement to California State Parks, Sonoma County Regional Parks, or another state or county agency for the purpose of constructing the California Coastal Trail entirely or partially within Caltrans right of way.
6. Any proposed modification, alteration, and/or expansion of the use as described by the application materials and design drawings dated April 10, 2012, and as authorized by this Coastal Permit shall require the prior review and approval of the Permit and Resource Management Department or the Board of Zoning Adjustments, as appropriate. Such changes may require a new or modified Coastal Permit and additional environmental review.
7. All construction and improvement plans shall have the following note printed on plan sheets:

"In the event that archaeological resources such as pottery, arrowheads, midden or culturally modified soil deposits are discovered at any time during grading, scraping or excavation within the property, all work shall be halted in the vicinity of the find and County PRMD Project Review staff shall be notified and a qualified archaeologist shall be contacted immediately to make an evaluation of the find and report to PRMD. PRMD staff may consult and/or notify the appropriate tribal representative from tribes known to PRMD to have interests in the area. Artifacts associated with prehistoric sites include humanly modified stone, shell, bone or other cultural

materials such as charcoal, ash and burned rock indicative of food procurement or processing activities. Prehistoric domestic resources include hearths, firepits, or house floor depressions whereas typical mortuary resources are represented by human skeletal remains. Historic artifacts potentially include all by-products of human land use greater than 50 years of age including trash pits older than fifty years of age. When contacted, a member of PRMD Project Review staff and the archaeologist shall visit the site to determine the extent of the resources and to develop and coordinate proper protection/mitigation measures required for the discovery. PRMD may refer the mitigation/protection plan to designated tribal representatives for review and comment. No work shall commence until a protection/mitigation plan is reviewed and approved by PRMD - Project Review staff. Mitigations may include avoidance, removal, preservation and/or recordation in accordance with California law. Archeological evaluation and mitigation shall be at the applicant's sole expense.

"If human remains are encountered, all work must stop in the immediate vicinity of the discovered remains and PRMD staff, County Coroner and a qualified archaeologist must be notified immediately so that an evaluation can be performed. If the remains are deemed to be Native American, the Native American Heritage Commission must be contacted by the Coroner so that a "Most Likely Descendant" can be designated and the appropriate provisions of the California Government Code and California Public Resources Code will be followed."

8. This permit shall be subject to revocation or modification by the Permit and Resource Management Department if: (a) the department finds that there has been non-compliance with any of the conditions or (b) the department finds that the use for which this permit is here by granted constitutes a nuisance. Any such revocation shall be preceded by a public hearing noticed and heard pursuant to Section 26-335 and 26C-335.2 of the Coastal Zoning Ordinance.

In any case where a Coastal Permit has not been used within three (3) years after the date of granting thereof, or for such additional period as may be specified in the permit, such permit shall become automatically void and of no further effect provided, however, that upon written request by the applicant prior to the expiration of the two year period the permit approval may be extended for not more than one (1) year by the authority which granted the original permit pursuant to Section 26C-348 of the Coastal Zoning Ordinance.