

DEPARTMENT OF TRANSPORTATION

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JAN 27 2012

CITY OF SAUSALITO

*Flex your power!
Be energy efficient!*

January 25, 2012

Todd Teachout
420 Litho Street
Sausalito, CA 94965

Your ref: CML – 5098 (012) Gate 6 Intersection Modifications

Dear Mr. Teachout:

Our office is in receipt of the Office of Cultural Resources Specialists' (OCRS) assessment on the Section 106 requirements for Gate 6 Intersection Modifications project and has signed the Preliminary Environmental Studies (PES) Form. Similarly, the District Local Assistance Engineer (DLAE) and the Environmental Planner Designee have affixed their signatures to the document. The environmental scoping is therefore complete.

The following studies are required as per the PES:

Studies needed:

1. Equipment Staging Technical Memorandum
2. Traffic - Traffic Study (describe ped/bike struggle; describe how on/off ramp affected during constructions; include traffic handling during construction; LOS/operation before and after on the on/off ramps)
3. Air Quality – Send email from MTC which confirms Task Force PM 2.5 finding
4. Hazardous Material/Hazardous Waste - Hazardous Material Technical Memorandum (striping removal)
5. Water Quality/Resources – Water Quality Technical Memorandum (BMPs)
6. Floodplain – Location Hydraulic Study and Summary Floodplain Encroachment
7. Section 4(f) –S.F. Bay Trail, Mill Valley Bike Path (Sausalito); concurrence letter
8. Construction/Encroachment – Right of Way Information Technical Memorandum (describe your right of way needs)
9. Cultural Resources - Complete (copy attached)

Please prepare those studies at your earliest convenience and submit them to our office for review.

If you have any questions regarding this letter, please contact Hugo Ahumada (510) 622-8790.

Sincerely,

A handwritten signature in cursive script that reads "B. Deunert".

Boris Deunert, Ph.D.
Senior Environmental Planner
Office of Local Assistance

cc: LA files

Memorandum

*Flex your power!
Be energy efficient!*

To: BORIS DEUNERT
Senior Environmental Planner
Office of Local Assistance, District 4

Date: January 24, 2012

Attn: Hugo Ahumada, Environmental Planner

File: 04-MRN-0-SAUS
CML 5098 (012)
Gate 6 Road Intersection
Modifications

From: MAUREEN ZOGG *MZ*
Local Assistance Archaeologist
Office of Local Assistance, District 4

Subject: Section 106 review of the proposed Gate 6 Road Intersection Modifications project in the City of Sausalito, Marin County, California.

The City of Sausalito plans to improve bicycle and pedestrian movement at the intersection of Gate 6 Road with Bridgeway, Bridge Avenue, and Highway 101 on and off ramps, through the installation of signal improvements. Work will include the addition of a left turn arrow indicator, new signal standards, replacement of traffic signal controller and power meter cabinets, installation of signal detector systems, pavement grinding and overlay, new striping, signal timing changes, curb replacement, and the restoration of landscaping. The maximum depth of impacts will be 2 feet for pole foundations.

The California Department of Transportation (Caltrans), acting as the lead agency under the delegated authority of the Federal Highway Administration (FHWA), is providing the project oversight as federal funds are involved. Project documentation was reviewed by Caltrans' Office of Local Assistance Professionally Qualified Staff (PQS) Maureen Zogg, Co-Principal Investigator—Prehistoric Archaeology and Office of Cultural Resource Studies Principal Architectural Historian Andrew Hope, in compliance with the January 2004 *Programmatic Agreement Among the Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California* (PA). A copy of the PA can be found at the Division of Environmental Analysis website: <http://www.dot.ca.gov/hq/env/cultural/index.htm>.

This memorandum summarizes the activities that were conducted to document the absence of cultural resources within the undertaking's Area of Potential Effects (APE). The APEs for both archaeology and built resources were determined following a review of the submitted Preliminary Environmental Studies (PES) form, Field Review form, project description, and street map.

A review of detailed specifications for the project location, District 4 Cultural Resources Studies Office files, maps, and online aerial photographs indicates that no cultural resources will be

affected by the proposed project. Due to the nature of the undertaking, it has been determined that the project is exempt from further review pursuant to Stipulation VII, a Screened Undertaking.

The undertaking has been screened and determined to be exempt under Class 11 (Modification of existing features, such as slopes, ditches, curbs, sidewalks, driveways, dikes, or headwalls, within or adjacent to the right of way), Class 14 (Removal or replacement of roadway markings, such as painted stripes, raised pavement markers, thermoplastic tape, or raised bars, or installation of sensors in existing pavements.), Class 20 (Modification of traffic control systems or devices utilizing existing infrastructure, including installation, removal, or modification of regulatory, warning, or informational signs or signals.), and Class 25 (Establishment, replacement, or removal of landscaping, vegetation, or irrigation systems on state or local public property, including highway and local roads rights of way and building sites.) of Attachment 2 of the PA. No additional studies are required at this time.

Please note that if there are any changes to the proposed activities or if the project boundaries are extended, additional review by PQS staff will then be required. In the event of the unexpected discovery of cultural material, all guidelines outlined in the Standard Specifications Section 5.1 Archaeological Discoveries shall be followed.

If you have any question or comment regarding this review please contact Maureen Zogg at (510) 622-8767, e-mail maureen_zogg@dot.ca.gov, or Andrew Hope at (510) 286-5601, e-mail Andrew_hope@dot.ca.gov.

cc: OLA Files

F.R. - 12/20/11

Exhibit 6-A Preliminary Environmental Study (PES) Form

GATE 6 ROAD INTERSECTION MODIFICATIONS

Federal Project No.: CML - 5098 (012) Final Design: (Expected Start Date)

To: (District Local Assistance Engineer) From: CITY OF SAUSALITO (Local Agency) Todd Teachout (415) 289-4111 (Project Manager's Name and Telephone No.) 420 LITHO ST, SAUSALITO, CA 94965 (Address) tteachout@ci.sausalito.ca.us (E-mail Address)

Is this Project "ON" the State Highway System? [X] Yes [] No IF YES, STOP HERE and contact the District Local Assistance Engineer regarding the completion of other environmental documentation.

Federal State Transportation Improvement Program (FSTIP) http://www.dot.ca.gov/hq/transprog/fedpgrm.htm: (Currently Adopted Plan Date) (Page No. attach to this form)

Programming for FSTIP: Preliminary Engineering (Fiscal Year) \$ (Dollars) Right of Way (Fiscal Year) \$ (Dollars) Construction (Fiscal Year) \$ (Dollars)

Project Description as Shown in RTP and FSTIP:

Detailed Project Description: (Describe the following, as applicable: purpose and need, project location and limits, required right of way acquisition, proposed facilities, staging areas, disposal and borrow sites, construction activities, and construction access.) SIGNAL MODIFICATION TO IMPROVE BICYCLE AND PEDESTRIAN MOVEMENT THROUGH THE INTERSECTION (SEE PAGE 6-79)

(Continue description on "Notes" sheet, last page of this Exhibit, if necessary)

Preliminary Design Information:

Does the project involve any of the following? Please check the appropriate boxes and delineate on an attached map, plan, or layout including any additional pertinent information.

Checklist for Preliminary Design Information with handwritten notes: EQUIPMENT STAGING TECHNIQUE, ON/OFF RAMP AFFECTED - MARIN COUNTY HWY 101, NEW POLE 24" FOUNDATION, etc.

Required Attachments:

Checklist for Required Attachments: [X] Regional map, [X] Project location map, [X] Project footprint map, [X] Engineering drawings, [] Borrow/disposal site location map, [] Notes to support the conclusions...

Examine the project for potential effects on the environment, direct or indirect and answer the following questions. The "construction area," as specified below, includes all areas of ground disturbance associated with the project, including staging and stockpiling areas and temporary access roads.

Each answer must be briefly documented on the "Notes" pages at the end of the PES Form.

A. Potential Environmental Effects	Yes	To Be Determined	No
General			
1. Will the project require future construction to fully utilize the design capabilities included in the proposed project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Will the project generate public controversy?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Noise			
3. Is the project a Type I project as defined in 23 CFR 772.5(h); "construction on new location or the physical alteration of an existing highway, which significantly changes either the horizontal or vertical alignment or increases the number of through-traffic lanes"?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Does the project have the potential for adverse construction-related noise impact (such as related to pile driving)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Air Quality			
5. Is the project in a NAAQS non-attainment or maintenance area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Is the project exempt from the requirement that a conformity determination be made? (If "Yes," state which conformity exemption in 40 CFR 93.126, Table 2 applies): BIKE & PED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Is the project exempt from regional conformity? (If "Yes," state which conformity exemption in 40 CFR 93.127, Table 3 applies): EXISTING INDIVIDUAL SIGNAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. If project is not exempt from regional conformity, (If "No" on Question #7)			
Is project in a metropolitan non-attainment/maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is project in an isolated rural non-attainment area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is project in a CO, PM10 and/or PM2.5 non-attainment/maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hazardous Materials/Hazardous Waste			
9. Is there potential for hazardous materials (including underground or aboveground tanks, etc.) and/or hazardous waste (including oil/water separators, waste oil, asbestos-containing material, lead-based paint, ADL, etc.) within or immediately adjacent to the construction area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Water Quality/Resources			
10. Does the project have the potential to impact water resources (rivers, streams, bays, inlets, lakes, drainage sloughs) within or immediately adjacent to the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Is the project within a designated sole-source aquifer?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coastal Zone <i>RICHARDSON BAY (BOCC) S.F. BAY CONSERVATION & DEVELOPMENT COMMISSION (NOT WITHIN 100 FEET)</i>			
12. Is the project within the State Coastal Zone, San Francisco Bay, or Suisun Marsh?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Floodplain			
13. Is the construction area located within a regulatory floodway or within the base floodplain (100-year elevation of a watercourse or lake)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wild and Scenic Rivers			
14. Is the project within or immediately adjacent to a Wild and Scenic River System?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Biological Resources			
15. Is there a potential for federally listed threatened or endangered species, or their critical habitat or essential fish habitat to occur within or adjacent to the construction area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Does the project have the potential to directly or indirectly affect migratory birds, or their nests or eggs (such as vegetation removal, box culvert replacement/repair, bridge work, etc.)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

17. Is there a potential for wetlands to occur within or adjacent to the construction area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18. Is there a potential for agricultural wetlands to occur within or adjacent to the construction area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19. Is there a potential for the introduction or spread of invasive plant species?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sections 4(f) and 6(f) <i>S.F. BAY TRAIL, SAUSALITO - MILL VALLEY BIKE PATH</i>			
20. Are there any historic sites or publicly owned public parks, recreation areas, wildlife or waterfowl refuges (Section 4[f]) within or immediately adjacent to the construction area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
21. Does the project have the potential to affect properties acquired or improved with Land and Water Conservation Fund Act (Section 6[f]) funds?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Visual Resources			
22. Does the project have the potential to affect any visual or scenic resources?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Relocation Impacts			
23. Will the project require the relocation of residential or business properties?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Land Use, Community, and Farmland Impacts			
24. Will the project require any right of way, including partial or full takes? Consider construction easements and utility relocations.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
25. Is the project inconsistent with plans and goals adopted by the community?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
26. Does the project have the potential to divide or disrupt neighborhoods/communities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
27. Does the project have the potential to disproportionately affect low-income and minority populations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
28. Will the project require the relocation of public utilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
29. Will the project affect access to properties or roadways?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
30. Will the project involve changes in access control to ^{AFFECT} the State Highway System (SHS)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
31. Will the project involve the use of a temporary road, <u>detour</u> , or ramp closure? ^{BIKE PATH AFFECTED}	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
32. Will the project reduce available parking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
33. Will the project construction encroach on <u>state</u> or federal lands? ^{HWY 101}	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
34. Will the project convert any farmland to a different use or impact any farmlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cultural Resources			
35. Is there National Register listed, or potentially eligible historic properties, or archaeological resources within or immediately adjacent to the construction area? (Note: Caltrans PQS answers question #35)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
36. Is the project adjacent to, or would it encroach on Tribal land?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

For Sections B, C, and D, check appropriate box to indicate required technical studies, coordination, permits, or approvals.

B. Required Technical Studies and Analyses	C. Coordination	D. Anticipated Actions/Permits/Approvals
<input checked="" type="checkbox"/> Traffic Check one: <input checked="" type="checkbox"/> Traffic Study <input checked="" type="checkbox"/> Technical Memorandum <input type="checkbox"/> Discussion in ED Only	DESCRIBE BIKE/PED STRUGGLE; HOW ON/OFF-RAMP AFFECTED DURING CONSTRUCTION INCLUDE TRAFFIC HANDLING DURING CONSTRUCTION OFF/OFF-RAMP; PED/BIKE/TRANSIT EMERGENCY SUGG. LOS OPERATION <input checked="" type="checkbox"/> Caltrans <input checked="" type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans	<input checked="" type="checkbox"/> Approval <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Approval
<input type="checkbox"/> Noise Check as applicable: <input type="checkbox"/> Traffic Related <input type="checkbox"/> Construction Related Check one: <input type="checkbox"/> Noise Study Report <input type="checkbox"/> NADR <input type="checkbox"/> Technical Memorandum <input type="checkbox"/> Discussion in ED Only	<input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval
<input checked="" type="checkbox"/> Air Quality Check as applicable: <input type="checkbox"/> Traffic Related <input type="checkbox"/> Construction Related Check one: <input type="checkbox"/> Air Quality Report <input type="checkbox"/> Technical Memorandum <input type="checkbox"/> Discussion in ED Only	SEND EMAIL FROM MTC WHICH CONFIRMS TASK FORCE PM 2.5 FINDING <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> FHWA <input type="checkbox"/> Caltrans <input type="checkbox"/> Regional Agency	<input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Conformity Finding (6005 CEs, EAs, EISs) <input type="checkbox"/> Conformity Finding (6004 CEs) <input type="checkbox"/> PM10/PM2.5 Interagency Consultation
<input checked="" type="checkbox"/> Hazardous Materials/ Hazardous Waste Check as applicable: <input type="checkbox"/> Initial Site Assessment (Phase 1) <input type="checkbox"/> Preliminary Site Assessment (Phase 2) <input type="checkbox"/> Discussion in ED Only	PAINT STRIPING REMOVAL (THERMO PLASTIC) <input checked="" type="checkbox"/> TECH. MEMO. <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans <input type="checkbox"/> Cal EPA DTSC <input type="checkbox"/> Local Agency	<input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Approval <input type="checkbox"/> Review Database <input type="checkbox"/> Review Database
<input checked="" type="checkbox"/> Water Quality/Resources Check as applicable: <input type="checkbox"/> Water Quality Assess. Report <input checked="" type="checkbox"/> Technical Memorandum <input type="checkbox"/> Discussion in ED Only	BMPs - HOW TO PREVENT CONSTRUCTION DEBRIS AND/OR TOXIC SUBSTANCE TO ENTER STORM DRAINS <input type="checkbox"/> Caltrans <input checked="" type="checkbox"/> Caltrans <input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Approval
<input type="checkbox"/> Sole-Source Aquifer (Districts 5, 6 and 11)	<input type="checkbox"/> EPA (S.F. Regional Office)	<input type="checkbox"/> Approval of Analysis in ED
<input type="checkbox"/> Coastal Zone	<input type="checkbox"/> CCC	<input type="checkbox"/> Coastal Zone Consistency Determination

B. Required Technical Studies and Analyses	C. Coordination	D. Anticipated Actions/Permits/Approvals
<input checked="" type="checkbox"/> Floodplain		
<i>Check as applicable:</i>		
<input checked="" type="checkbox"/> Location Hydraulic Study	<input checked="" type="checkbox"/> Caltrans	<input checked="" type="checkbox"/> Approval
<input type="checkbox"/> Floodplain Evaluation Report	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input checked="" type="checkbox"/> Summary Floodplain Encroachment Report	<input checked="" type="checkbox"/> Caltrans	<input checked="" type="checkbox"/> Approval
	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Only Practicable Alternative Finding
	<input type="checkbox"/> FHWA	<input type="checkbox"/> Approves significant encroachments and concurs in Only Practicable Alternative Findings
<input type="checkbox"/> Wild and Scenic Rivers		
	<input type="checkbox"/> River Managing Agency	<input type="checkbox"/> Wild and Scenic Rivers Determination
<input type="checkbox"/> Biological Resources		
<i>Check as applicable:</i>		
<input type="checkbox"/> NES, Minimal Impact	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> NES		
<input type="checkbox"/> BA	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approves for Consultation
	<input type="checkbox"/> USFWS	<input type="checkbox"/> Section 7 Informal/Formal Consultation
	<input type="checkbox"/> NOAA Fisheries	
<input type="checkbox"/> EFH Evaluation	<input type="checkbox"/> NOAA Fisheries	<input type="checkbox"/> MSA Consultation
<input type="checkbox"/> Bio-Acoustic Evaluation	<input type="checkbox"/> NOAA Fisheries	<input type="checkbox"/> Approval
<input type="checkbox"/> Technical Memorandum	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Wetlands		
<i>Check as applicable:</i>		
<input type="checkbox"/> WD and Assessment	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
	<input type="checkbox"/> ACOE	<input type="checkbox"/> Wetland Verification
	<input type="checkbox"/> NRCS	<input type="checkbox"/> Agricultural Wetland Verification
	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Wetlands Only Practicable Alternative Finding
<input type="checkbox"/> Invasive Plants		
<input type="checkbox"/> Discussion in ED Only	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input checked="" type="checkbox"/> Section 4(f)	<i>S.F. BAY TRAIL; SAUSALITO - MILL VALLEY BIKE PATH</i>	
<i>Check as applicable:</i>	<i>CONCURRENCE LETTER</i>	
<input type="checkbox"/> De minimis	<input checked="" type="checkbox"/> Caltrans	<input checked="" type="checkbox"/> Determine Temporary Occupancy
<input type="checkbox"/> Programmatic 4(f) Evaluation	<input type="checkbox"/> Caltrans	<input type="checkbox"/> De minimis finding
Type: _____	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Individual 4(f) Evaluation	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
	<input type="checkbox"/> Agency with Jurisdiction	
	<input type="checkbox"/> SHPO	
	<input type="checkbox"/> DOI	
	<input type="checkbox"/> HUD	
	<input type="checkbox"/> USDA	

B. Required Technical Studies and Analyses	C. Coordination	D. Anticipated Actions/Permits/Approvals
<input type="checkbox"/> Section 6(f)	<input type="checkbox"/> Agency with Jurisdiction <input type="checkbox"/> NPS	<input type="checkbox"/> Determines Consistency with Long-Term Management Plan
<input type="checkbox"/> Visual Resources	<input type="checkbox"/> NPS	<input type="checkbox"/> Approves Conversion
<i>Check one:</i>		
<input type="checkbox"/> Visual Impact Assessment	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Technical Memorandum	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Discussion in ED Only	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Relocation Impacts		
<i>Check one:</i>		
<input type="checkbox"/> Relocation Impact Memo	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Relocation Impact Study	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Relocation Impact Report	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Land Use and Community Impacts		
<i>Check one:</i>		
<input type="checkbox"/> CIA	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Technical Memorandum	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Discussion in ED Only	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input checked="" type="checkbox"/> Construction/Encroachment on State Lands	<i>RIGHT OF WAY INFO. - TECH MEMO.</i>	<i>DESCRIBE YOUR RIGHT OF WAY NEEDS</i>
<i>Check as applicable:</i>		
<input type="checkbox"/> SLC Jurisdiction	<input type="checkbox"/> SLC	<input type="checkbox"/> SLC Lease
<input checked="" type="checkbox"/> Caltrans Jurisdiction	<input checked="" type="checkbox"/> Caltrans	<input checked="" type="checkbox"/> Encroachment Permit
<input type="checkbox"/> SP Jurisdiction	<input type="checkbox"/> SP	<input type="checkbox"/> Encroachment Permit
<input type="checkbox"/> Construction/Encroachment on Federal Lands		
<input type="checkbox"/> Construction/Encroachment On Indian Trust Lands	<input type="checkbox"/> Federal Agency with Jurisdiction	<input type="checkbox"/> Encroachment Permit
<input type="checkbox"/> Construction/Encroachment On Indian Trust Lands	<input type="checkbox"/> Bureau of Indian Affairs	<input type="checkbox"/> Right of Way Permit
<input type="checkbox"/> Farmlands		
<i>Check one:</i>		
<input type="checkbox"/> CIA	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Technical Memorandum	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<input type="checkbox"/> Discussion in ED Only	<input type="checkbox"/> Caltrans	<input type="checkbox"/> Approval
<i>Check as applicable:</i>		
<input type="checkbox"/> Form AD 1006	<input type="checkbox"/> NRCS	<input type="checkbox"/> Approves Conversion
<input type="checkbox"/> Conversion to Non-Agri Use	<input type="checkbox"/> CDOC	<input type="checkbox"/> Approves Conversion
<input type="checkbox"/> Conversion to Non-Agri Use	<input type="checkbox"/> ACOE	

B. Required Technical Studies and Analyses	C. Coordination	D. Anticipated Actions/Permits/ Approvals
<input checked="" type="checkbox"/> Cultural Resources (PQS completes this section) <i>Check as applicable:</i>		
<input type="checkbox"/> APE Map	<input checked="" type="checkbox"/> Caltrans PQS <input type="checkbox"/> Caltrans PQS and DLAE	<input checked="" type="checkbox"/> Screened Undertaking <input type="checkbox"/> Approves APE Map
<input type="checkbox"/> HPSR <input type="checkbox"/> ASR <input type="checkbox"/> HRER	<input type="checkbox"/> Local Preservation Groups and/or Native American Tribes <input type="checkbox"/> Caltrans	<input type="checkbox"/> Provides Comments Regarding Concerns with Project <input type="checkbox"/> Approves for Consultation
<input type="checkbox"/> Finding of Effect Report	<input type="checkbox"/> Caltrans <input type="checkbox"/> SHPO	<input type="checkbox"/> Concurs on No Effect, No Adverse Effect with Standard Conditions <input type="checkbox"/> Letter of Concurrence on Eligibility, No Adverse Effect without Standard
<input type="checkbox"/> MOA	<input type="checkbox"/> Caltrans <input type="checkbox"/> SHPO <input type="checkbox"/> ACHP (if requested)	<input type="checkbox"/> Approves MOA <input type="checkbox"/> Approves MOA <input type="checkbox"/> Approves MOA
<input type="checkbox"/> Permits Copies of permits and a list of mitigation commitments are mandatory submittals following NEPA approval.	<input type="checkbox"/> ACOE <input type="checkbox"/> ACOE <input type="checkbox"/> Caltrans/ACOE/EPA <input type="checkbox"/> USFWS <input type="checkbox"/> NOAA Fisheries <input type="checkbox"/> ACOE <input type="checkbox"/> USCG <input type="checkbox"/> RWQCB <input type="checkbox"/> CDFG <input type="checkbox"/> RWQCB <input type="checkbox"/> CCC <input type="checkbox"/> Local Agency <input type="checkbox"/> BCDC	<input type="checkbox"/> Section 404 Nationwide Permit <input type="checkbox"/> Section 404 Individual Permit <input type="checkbox"/> NEPA/404 Integration MOU <input type="checkbox"/> Rivers and Harbors Act Section 10 Permit <input type="checkbox"/> USCG Bridge Permit <input type="checkbox"/> Section 401 Water Quality Certification <input type="checkbox"/> Section 1602 Streambed Alteration Agreement <input type="checkbox"/> NPDES Permit <input type="checkbox"/> Coastal Zone Permit <input type="checkbox"/> BCDC Permit

Notes: Additional studies may be required for other federal agencies.

ACHP	=	Advisory Council on Historic Preservation	HRER	=	Historical Resources Evaluation Report
ACOE	=	U.S. Army Corps of Engineers	HUD	=	U.S. Housing and Urban Development
ADL	=	Aerially Deposited Lead	MOA	=	Memorandum of Agreement
APE	=	Area of Potential Effect	MSA	=	Magnuson-Stevens Fishery Conservation and Management Act
APN	=	Assessor Parcel Number	NEPA	=	National Environmental Policy Act
ASR	=	Archaeological Survey Report	NADR	=	Noise Abatement Decision Report
BA	=	Biological Assessment	NES	=	Natural Environment Study
BCDC	=	Bay Conservation and Development Commission	NHPA	=	National Historic Preservation Act
BE	=	Biological Evaluation	NOAA	=	National Oceanic and Atmospheric Administration
BO	=	Biological Opinion	NMFS	=	National Marine Fisheries Service
Cal EPA	=	California Environmental Protection Agency	NPDES	=	National Pollutant Discharge Elimination System
CCC	=	California Coastal Commission	NPS	=	National Park Service
CDFG	=	California Department of Fish and Game	NRCS	=	Natural Resources Conservation Service
CDOC	=	California Department of Conservation	PM10	=	Particulate Matter 10 Microns in Diameter or Less
CE	=	Categorical Exclusion	PM2.5	=	Particulate Matter 2.5 Microns in Diameter or Less
CIA	=	Community Impact Assessment	PMP	=	Project Management Plan
CWA	=	Clean Water Act	PQS	=	Professionally Qualified Staff
DLAE	=	District Local Assistance Engineer	ROD	=	Record of Decision
DOI	=	U.S. Department of Interior	RTIP	=	Regional Transportation Improvement Program
DTSC	=	Department of Toxic Substances Control	RTP	=	Regional Transportation Plan
EA	=	Environmental Assessment	RWQCB	=	Regional Water Quality Control Board
ED	=	Environmental Document	SER	=	Standard Environmental Reference
EFH	=	Essential Fish Habitat	SEP	=	Senior Environmental Planner
EIS	=	Environmental Impact Statement	SHPO	=	State Historic Preservation Officer
EPA	=	U.S. Environmental Protection Agency	SLC	=	State Lands Commission
FEMA	=	Federal Emergency Management Agency	SP	=	State Parks
FHWA	=	Federal Highway Administration	TIP	=	Transportation Improvement Program
FONSI	=	Finding of No Significant Impacted	USCG	=	U.S. Coast Guard
FTIP	=	Federal Transportation Improvement Program	USDA	=	U.S. Department of Agriculture
HPSR	=	Historic Property Survey Report	USFWS	=	U.S. Fish and Wildlife Service
			WD	=	Wetland Delineation

E. Preliminary Environmental Document Classification (NEPA)

Based on the evaluation of the project, the environmental document to be developed should be:

Check one:

- Environmental Impact Statement (Note: Engagement with participating agencies in accordance with SAFETEA-LU Section 6002 required)
- Compliance with SAFETEA-LU Section 6002 regarding Participating Agencies required
- Complex Environmental Assessment
- Routine Environmental Assessment
- Categorical Exclusion without required technical studies.
- Categorical Exclusion with required technical studies

(if Categorical Exclusion is selected, check one of the following):

- Section 6004
 - 23 CFR 771 activity (c) (3)
 - 23 CFR 771 activity (d) (____)
 - Activity _____ listed in the Section 6004 MOU
- Section 6005

F. Public Availability and Public Hearing

Check as applicable:

- Not Required
- Notice of Availability of Environmental Document
- Public Meeting
- Notice of Opportunity for a Public Hearing
- Public Hearing Required

*- FOLLOW YOUR LOCAL HEARING PROCESS
- ADVANCE SIGNS PRIOR TO CONSTRUCTION*

G. Signatures

Local Agency Staff and/or Consultant Signature

Todd Teachout
(Signature of Preparer)

Todd Teachout
(Name)

12/20/2011 415-289-4111
(Date) (Telephone No.)

Local Agency Project Engineer Signature

This document was prepared under my supervision, in accordance with the *Local Assistance Procedures Manual*, Exhibit 6-B, "Instructions for Completing the Preliminary Environmental Study Form."

Todd Teachout
(Signature of Local Agency)

12/20/2011 415-289-4111
(Date) (Telephone No.)

F.R. - 12/20/11

GATE 6 ROAD INTERSECTION MODIFICATION CML - 5098(012)

Caltrans District Professionally Qualified Staff (PQS) Signature

- Project does not meet definition of an "undertaking"; no further review is necessary under Section 106 ("No" Section A, #35).
- Project is limited to the type of activity listed in Attachment 2 of the Section 106 PA and based on the information provided in the PES Form, the project does not have the potential to affect historic properties ("No" Section A, #35).
- Project is limited to the type of activity listed in Attachment 2 of the Section 106 PA, but the following additional procedures or information is needed to determine the potential for effect ("To Be Determined" Section A, #35):
 - Records Search _____ _____ _____
- Project meets the definition of an "undertaking"; all properties in the project area are exempt from evaluation per Attachment 4 of the Section 106 PA ("No" Section A, #35).
- The proposed undertaking is considered to have the potential to affect historic properties; further studies for 106 compliance are indicated in Sections B, C, and D of this PES Form ("Yes" Section A, #35).

[Signature]
(Signature of Professionally Qualified Staff)

1-24-2012
(Date)

510-622-8767
(Telephone No.)

The following signatures are required for all CE's, routine and complex EAs, and EISs:

Caltrans District Senior Environmental Planner (or Designee) and DLAE Signatures

I have reviewed this Preliminary Environmental Study (PES) Form and determined that the submittal is complete and sufficient. I concur with the studies to be performed and the recommended NEPA Class of Action.

[Signature]
(Signature of Senior Environmental Planner or Designee)

01/25/12
(Date)

(50622-8790)
(Telephone No.)

Hugo Ahumada
(Name)

[Signature]
(Signature of District Local Assistance Engineer or Designee)

1/25/12
(Date)

650-652-4534
(Telephone No.)

Moe Shekernik
(Name)

HQ DEA Environmental Coordinator concurrence _____ E-mail concurrence attached.
(date)

Locator: 04-MRN-0-SAUS

Project Name: Gate 6 Road Intersection Improvements

Project Number: CML 5098(012)

Project Description: Signal Modifications

PES Project Description – Extended Project Description

The subject project is proposed to respond to a community demand to reduce pedestrian and bicyclist confusion at the intersection of Gate 6 Rd/Bridgeway/Bridge Ave./Hwy 101 on/off ramps.

What appears to be a 4 legged intersection is really a 5 legged intersection. The Bay Trail – Sausalito-Mill Valley Bike Path connects to this intersection and contributes several hundred to several thousand bicycle and ped crossings on a daily basis. These roadway users are not provided clear indication of their right of way through the intersection from the Bay Trail to Bridgeway. This project intends to address that deficiency.

At this time the anticipated work will result in modification of the existing traffic signal that regulates traffic movement on and off of Hwy 101. Advocates are suggesting either a "Scramble" type configuration or installation of a Bicycle Traffic Signal as the most promising direction to proceed. We will explore these alternatives. Minimally, a conventional left turn arrow signal indicator on the Gate 6 Road leg would be added to provide improved indication of left turning movement from westbound Gate 6 Road to southbound Bridgeway whether for bicyclists or for motor vehicles is proposed. It is understood that for environmental impact review that the most invasive work scope needs to be considered. Such worst case scope could include the following elements:

- Placement of Construction Area signs on Hwy 101, Bridge Avenue, Bridgeway

- Construction of new signal standards to facilitate enhanced detection and turning movement indication.

- Excavation of signal standard foundations. Excavations as deep as 24 inches.

- Replacement of Traffic Signal controller Cabinet and Power meter cabinet

- Excavation into pavement and roadway shoulder for signal detector systems (loops, DLC, boxes)

- Grinding of existing pavement delineation

- Grinding of existing pavement

- Pavement Overlay or Seal Coat

- Placement of Thermoplastic Striping

- Removal and replacement of concrete flatwork at intersection corners (10 inches of excavation)

- Replacement of Asphalt curbs with Concrete curbs.

- Placement of advance traffic signage on Bay Trail, Bridge Avenue and Bridgeway (none on Freeway).

- Traffic Signal Operation interruption from minutes to 3 days

- Construction Staging on City property approximately 1000' away.

- Landscaping to restore ground surface to functional final grades and to vegetate to prevent erosion.

- Signal Timing Changes

Preliminary Environmental Investigation
Notes to Support the Conclusions of the PES Form
(May Also Include Continuation of Detailed Project Description)

Project Description Continued – The intersection of Gate 6 Road/Bridgeway/HWY101/Bridge Rd. also connects a Major regional Bicycle and Pedestrian facility. Southbound traveling cyclists leaving the path and entering the intersection generally choose enter Gate 6 Road, an easterly/westerly oriented road, then turn left through the intersection onto southbound Bridgeway where there is a Class 2 Pathway on the road. This leg of the signal has no lights that provide left turn indication. The detector loop provides inconsistent sensing of bicycles. So the left turn movement for cyclists is risky to cyclists, to motorists and to pedestrians. This project is expected to minimally add left turn indications on the Gate 6 Road leg. The project will also collect full spectrum traffic count data (cars, trucks, busses, pedestrians, cyclists) to allow the signal timing to be optimized for all modes. Depending on the results of the data detectors will be replaced and/or added to improve bike sensing capability. Delineation to create a "bike box" will be considered and may be installed. While not contemplated at this time minor concrete work may also be done to correct found deficiencies.

Brief Explanation of How Project Complies, or Will Comply with Applicable Federal Mandate (Part A):

1. General - The project will not require future construction to fully utilize the design capabilities.
2. General - The project is not expected to create public controversy.
3. Noise – The project is on existing facility and is not changing the horizontal or vertical alignment. Additional though travel lanes are not proposed.
4. Noise – The project is not expected to have significant adverse construction noise impacts. Pavement saw cutting is expected to be the noisiest operation.
5. Air Quality – San Francisco Bay Area is currently designated a NAAQS non-attainment zone. The area has been a maintenance area in the recent past.

The project itself is not expected to increase air pollution loading as it will not result in increase traffic volumes (all modes). The project is expected to have short term impacts resulting from the use of heavy equipment to affect changes at the intersection.

6. Air Quality – The project is exempt from the requirement that a conformity determination. It is exempt pursuant to the fact that project site is a part of a bicycle and pedestrian facility. The project is expected to modify an existing signal to improve traffic safety and traffic flow for bicyclists and pedestrians. The project will not result in increased traffic volumes.
7. Air Quality – The project is exempt from regional emissions analysis because the project is involves the modification of an existing individual traffic signal.
8. Air Quality – Not Applicable.
9. Hazardous Materials – The project site is believed to contain no hazardous materials or hazardous waste. We will consult DLAE to determine appropriate level of analysis, if any.
10. Water Quality - The project has no potential to impact water resources within or immediately adjacent to the site. Construction related impacts will be mitigated by including a storm water pollution prevention plan. Additionally the contractor will be required to use California Regional Water Quality Control Board/San Francisco Region Field Manual,, the CASQA Stormwater BMP Handbooks and other relevant guides and standards to minimize pollutant exposure to the maximum extent practicable.
11. Water Quality – The project is located in Marin County California. Preliminary environmental investigation determined that the project is not within a sole source aquifer.
12. Coastal Zone - The project is not within State Coastal Zone, San Francisco Bay or Suisun Marsh.
13. Flood Plain – A review of the FEMA Flood Insurance Rate Map (Map No. 06041C0507D) found that a portion of the site is within a Floodplain Zone VE with a determined flood elevation level of 9'NAVD1988.

14. Wild and Scenic Rivers - The project is not within or immediately adjacent to a Wild or Scenic River System
15. Biological Resources – The project site is at the north City Limit of the City of Sausalito, a fully developed urban setting. There are no federally listed threatened or endangered species, or critical habitat for such species to existing within or adjacent to the project site.
16. Biological Resources – The project site is a fully developed urbanized setting. The project will not affect directly or indirectly, migratory birds, their nests or their eggs.
17. Biological Resources – The project site is a fully developed urbanized setting. There is no potential for wetlands to occur within or adjacent to the project site.
18. Biological Resources – The project site is a fully developed urbanized setting. There is no potential for agricultural wetlands to occur within or adjacent to the construction site.

19. Biological Resources – The project site is a fully developed urbanized setting. There is no potential for the introduction of or spread of invasive species.
20. Section 4f - There are no publicly owned parks, recreation area, wildlife or waterfowl refuges (Section 4[f] Resources) within or immediately adjacent to the project site. Richardson's Bay, further to the east of the site contains a migratory bird Sanctuary for portions of the year. The Marin Headlands, a National Recreation Area is approximately 1 mile away. There are no City or County Parks within 1000 feet of the project site.
21. Section 6(f) - There are no properties acquired or improved with Land and Water Conservation Fund Act (Section 6[f]) funds within or adjacent to the project site. So the project won't have potential to affect such resources.
22. Visual Resources – A Visual Assessment was made. The project will not affect visual or scenic resources.
23. Relocation Impacts - The project will not require the relocation of residential or business property.
24. Land Use, Community and Farmland Impacts – Right-of-Way - The project is not expected to require right-of-way, construction easements or utility relocations. Work is expected to occur within the existing Right-of-Way.
25. Land Use, Community and Farmland Impacts – Community Plans and Goals – Objective CP-4.0 of the Circulation and Parking Element of the City's General Plan is to Enhance Bicycle and Pedestrian Circulation. The project is consistent with Policy CP4.2 which directs the development of short term and long term improvements to define a Regional North South Bicycle routes System. The project is consistent with the City's General Plan Goals for this area.
26. Land Use, Community and Farmland Impacts – Neighborhoods/Communities – Preliminary assessment found that the project will not further divide or disrupt the neighborhoods and communities. Hwy 101 did separate Marin City from Sausalito in the 1930s but the subject project will not significantly change that facility or alter the established communities.
27. Land Use, Community and Farmland Impacts – Low Income/Minority communities - The project will not disproportionately affect low income and minority populations. The project is approximately 1000 feet from Marin City which includes minority and low income populations. The project abuts the "Gates Cooperative" Houseboat community, a low income community. The project however is not expected to impacts these communities past short term construction impacts.
28. Land Use, Community and Farmland Impacts – Public Utilities - The project is not expected to require the relocation of utilities.
29. Land Use, Community and Farmland Impacts – Access to property or roadways - The project is not expected to affect access to roadways or properties.
30. Land Use, Community and Farmland Impacts – Access to state High ways - The project will not involve changes to access control on the State Highway System.
31. Land Use, Community and Farmland Impacts – Detours - The project is not expected to involve temporary road, detour or ramp closure.
32. Land Use, Community and Farmland Impacts – Parking - The project will not reduce available parking..
33. Land Use, Community and Farmland Impacts – Encroachment on Federal/State Lands - Unless the intersection project site is considered state lands, the project will not encroach onto State Lands. The project site is a cooperatively managed traffic signal and Sausalito has ¼ interest in the maintenance of the facility.
34. Land Use, Community and Farmland Impacts – Farmlands - The project will not convert farmland. The project site is not farmland and is not near farmland.
35. Cultural Resources – National Register - The project is not believed to be within or adjacent to National Register Listed, or potentially eligible historic properties, or archeological resources. The project construction activity is expected only within the current roadway structural section.
36. Cultural Resources - The project is not within or adjacent to Tribal Land, so encroachments into such lands cannot occur.

Distribution 1) Original- DLAE, 2) Local Agency Project Manager, 3) DLA Environmental Coordinator
4) Senior Environmental Planner (or designee), 5) District PQS

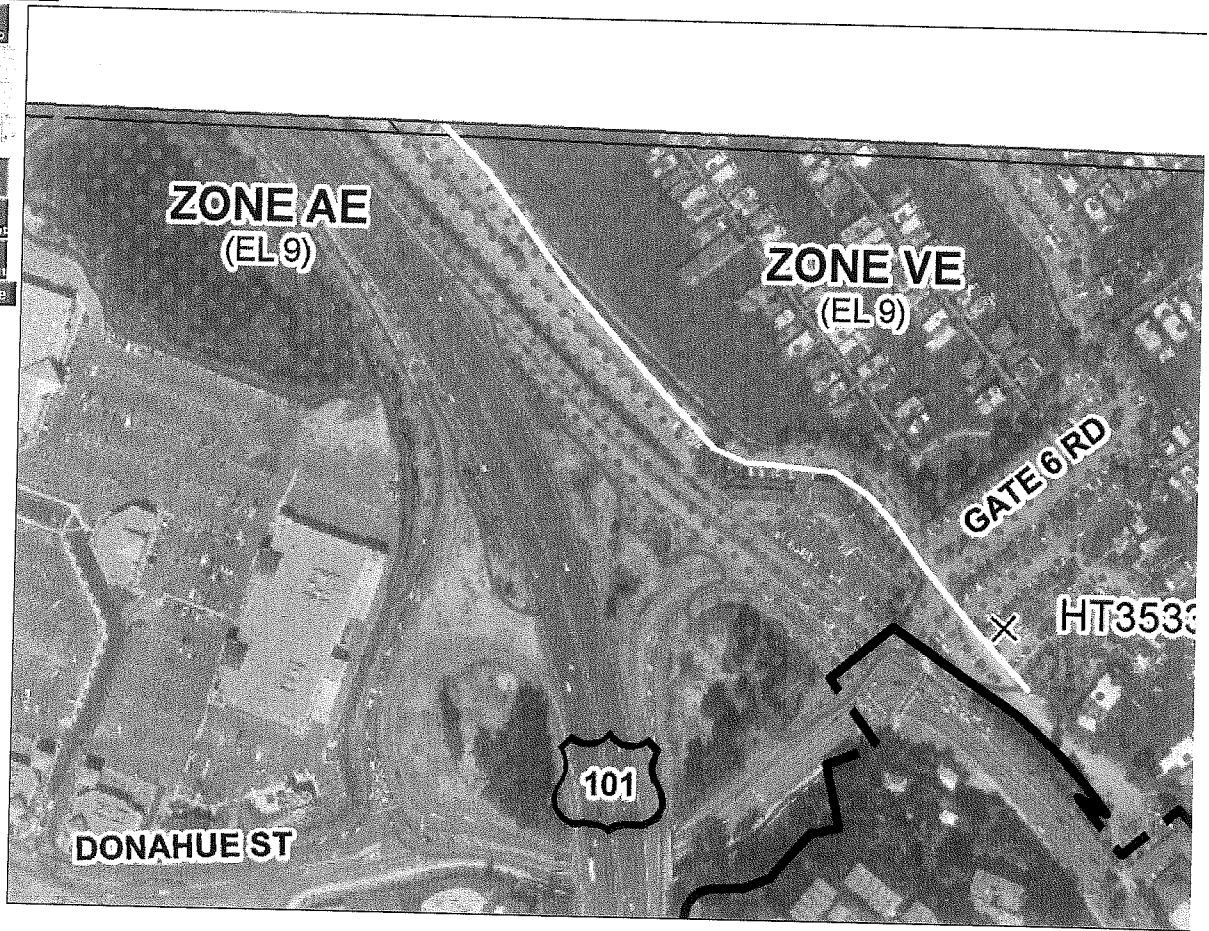
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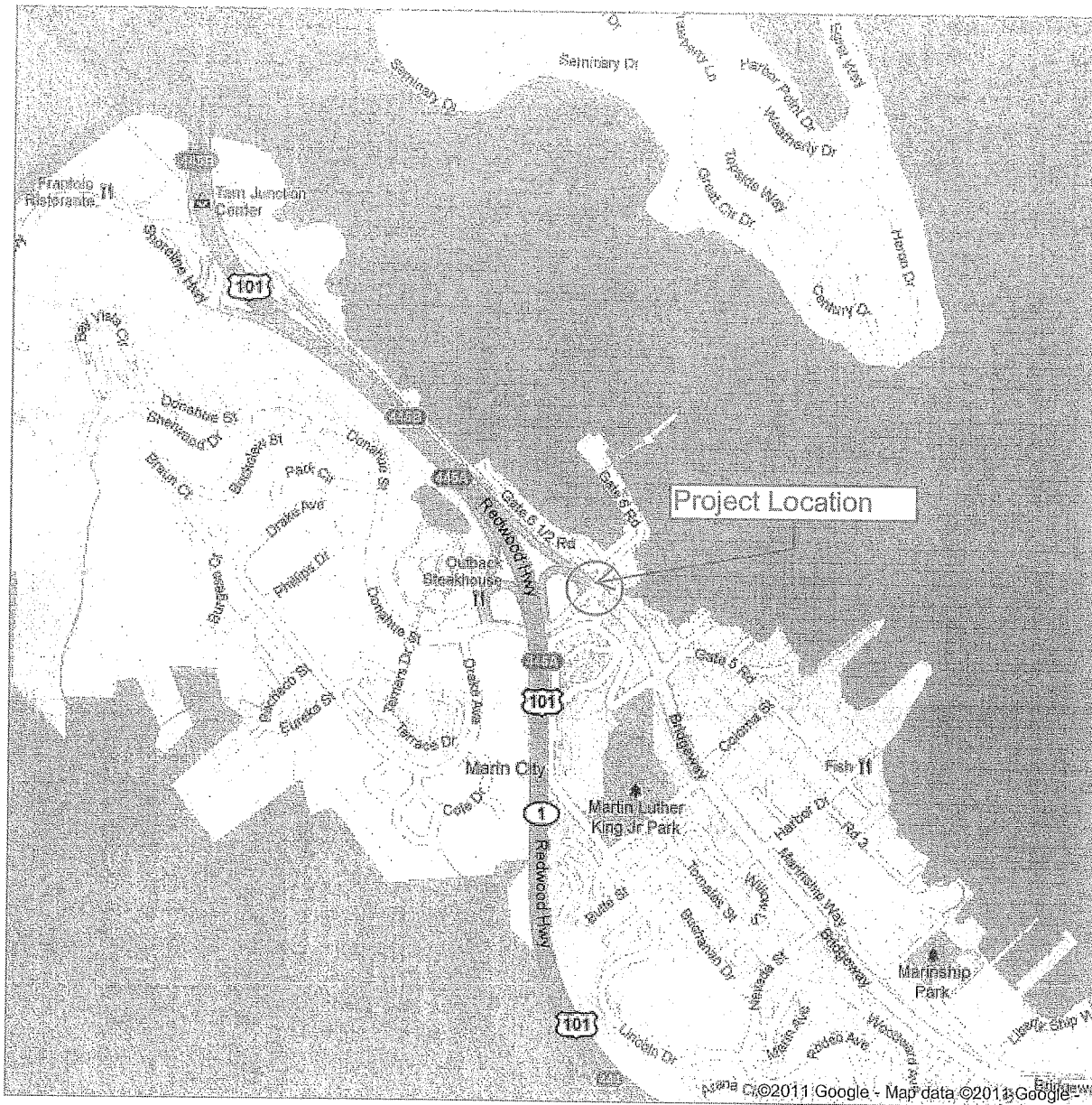
Help

Zoom/View Pan
Zoom/In Zoom/Out
1:1 MAX
Zoom/In Zoom/Out
Make a Firmette



Google maps

Notes Vicinity Map
City of Sausalito
Gate 6 Road Intersection
Modifications

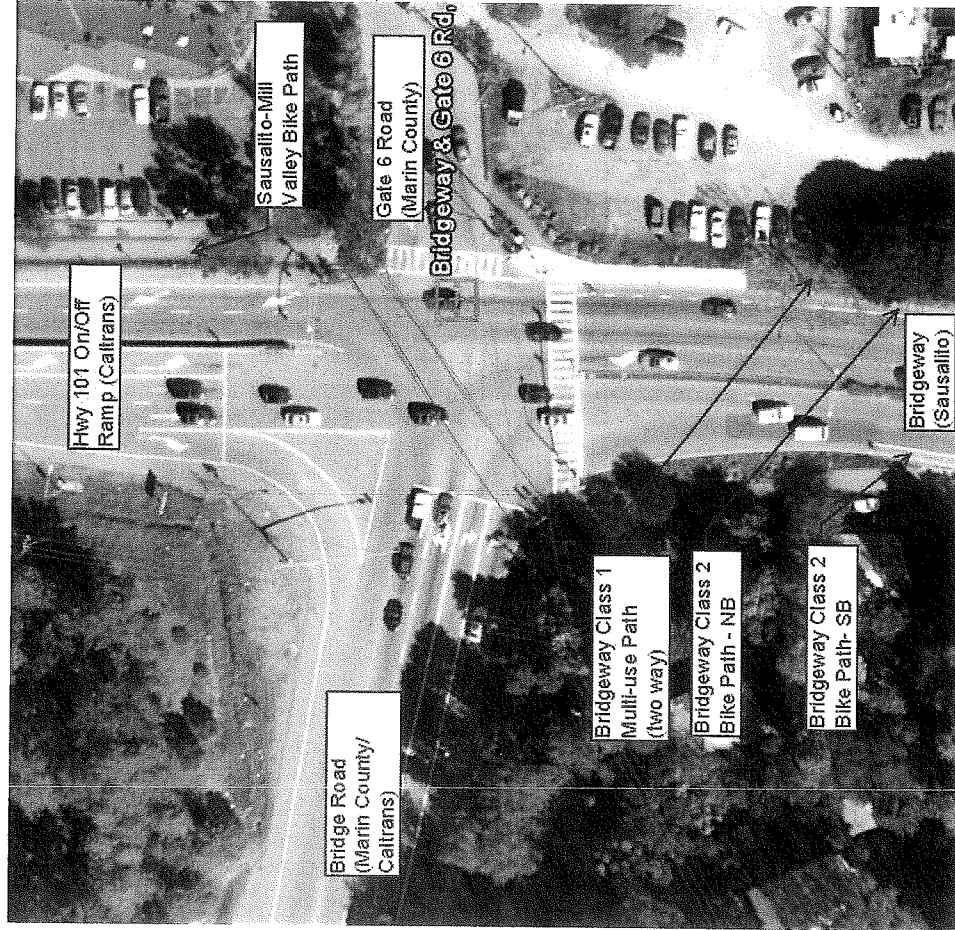


Gate 6 Rd Intersection Modifications-

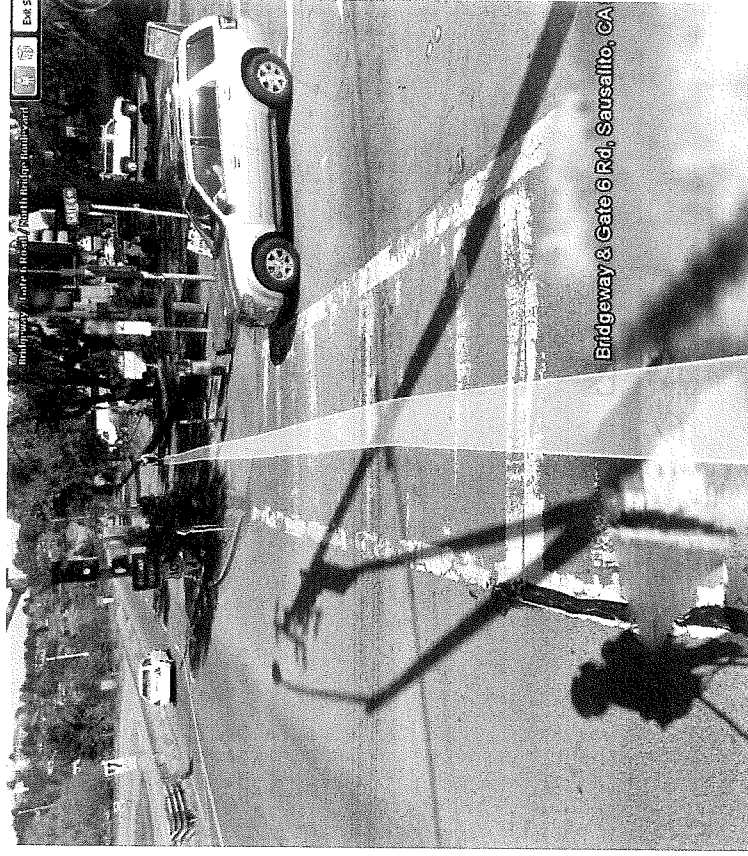
Vicinity Image



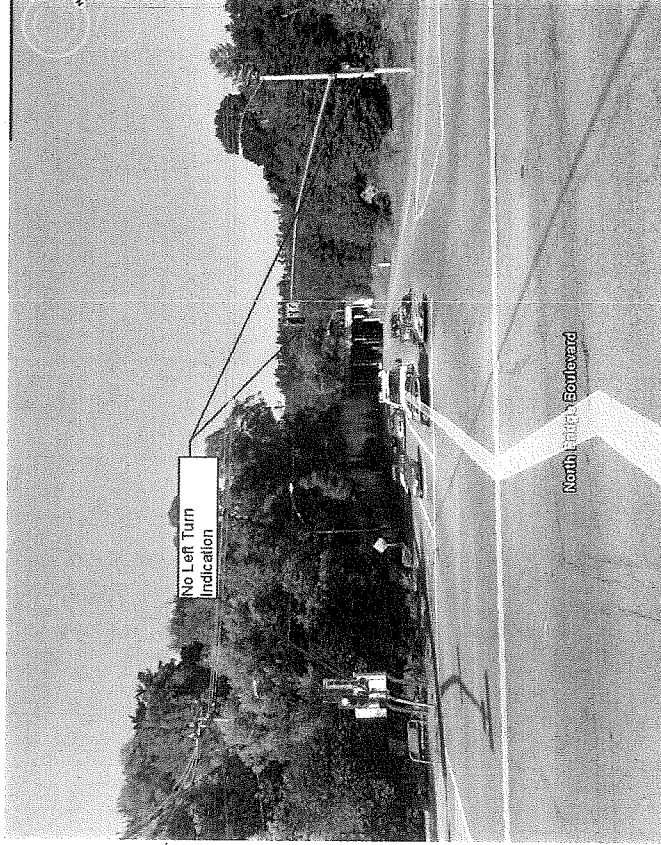
Gate 6 Rd. Intersection Modifications- Site Image



Gate 6 Rd Intersection Modifications Operator Views



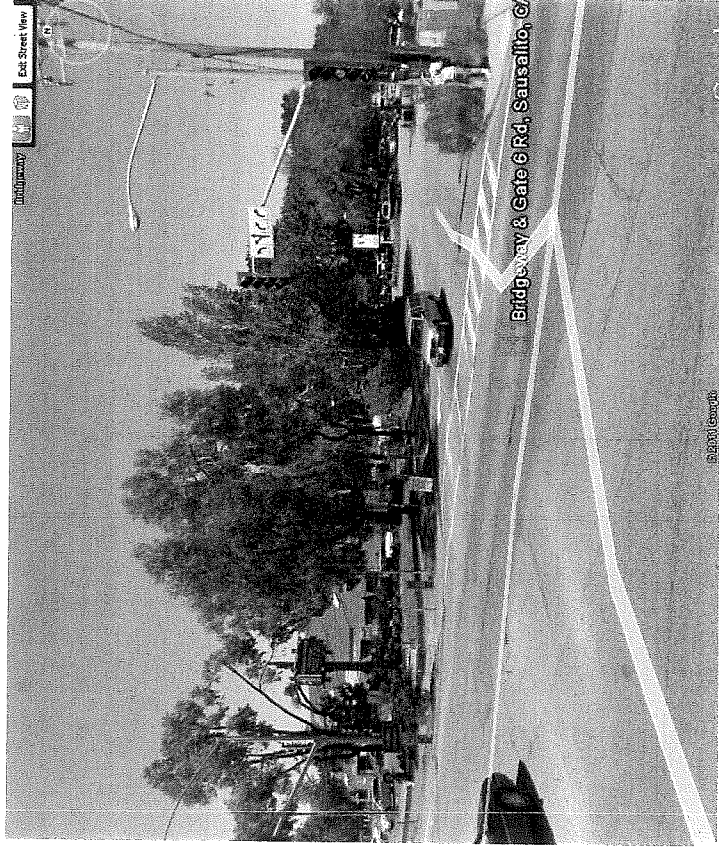
Looking Northerly into Bike Path

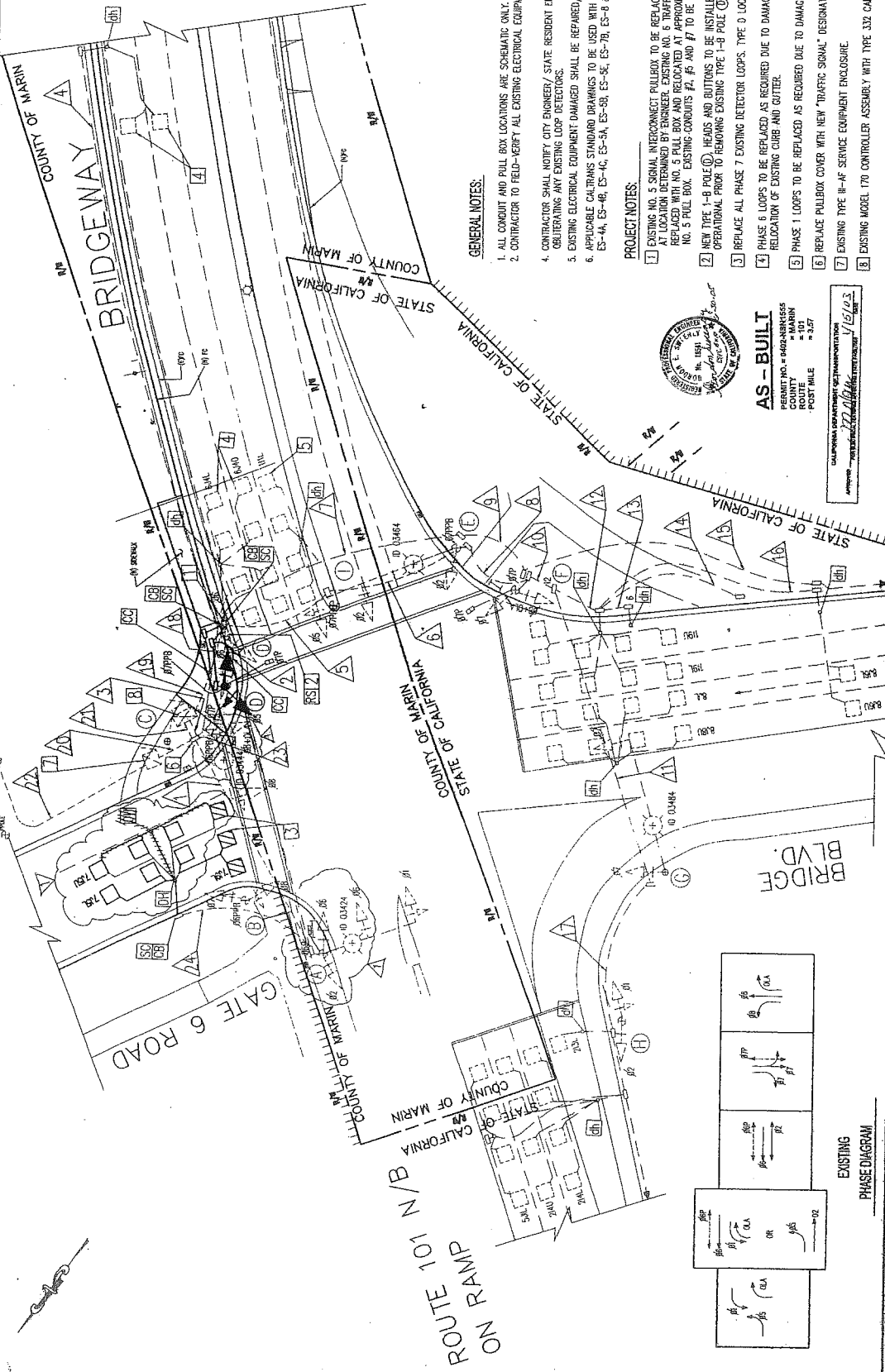
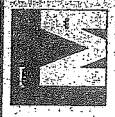


Looking Westerly

Gate 6 Rd Intersection Modifications Operator Views

Looking Easterly





GENERAL NOTES:

- 1. ALL CONDUIT AND PULL BOX LOCATIONS ARE SCHEMATIC ONLY.
- 2. CONTRACTOR TO FIELD-VERIFY ALL EXISTING ELECTRICAL EQUIPMENT.
- 3. CONTRACTOR SHALL NOTIFY CITY ENGINEER / STATE RESIDENT ENGINEER TWO DAYS PRIOR TO OPERATING ANY EXISTING LOOP DETECTOR.
- 4. EXISTING ELECTRICAL EQUIPMENT DAMAGED SHALL BE REPAIRED/REPLACED AT NO COST TO THE STATE.
- 5. APPLICABLE CALTRANS STANDARD DRAWINGS TO BE USED WITH THIS PROJECT ARE ES-1A, ES-1B, ES-4A, ES-4B, ES-14, ES-3A, ES-3B, ES-3C, ES-3D, ES-3E, ES-3F, ES-3G, ES-3H, ES-3I, ES-3J, ES-3K, ES-3L, ES-3M, ES-3N, ES-3O, ES-3P, ES-3Q, ES-3R, ES-3S, ES-3T, ES-3U, ES-3V, ES-3W, ES-3X, ES-3Y, ES-3Z, ES-4, ES-5, ES-6, ES-7, ES-8, ES-9, ES-10, ES-11, ES-12, ES-13, ES-15, ES-16, ES-17, ES-18, ES-19, ES-20, ES-21, ES-22, ES-23, ES-24, ES-25, ES-26, ES-27, ES-28, ES-29, ES-30, ES-31, ES-32, ES-33, ES-34, ES-35, ES-36, ES-37, ES-38, ES-39, ES-40, ES-41, ES-42, ES-43, ES-44, ES-45, ES-46, ES-47, ES-48, ES-49, ES-50, ES-51, ES-52, ES-53, ES-54, ES-55, ES-56, ES-57, ES-58, ES-59, ES-60, ES-61, ES-62, ES-63, ES-64, ES-65, ES-66, ES-67, ES-68, ES-69, ES-70, ES-71, ES-72, ES-73, ES-74, ES-75, ES-76, ES-77, ES-78, ES-79, ES-80, ES-81, ES-82, ES-83, ES-84, ES-85, ES-86, ES-87, ES-88, ES-89, ES-90, ES-91, ES-92, ES-93, ES-94, ES-95, ES-96, ES-97, ES-98, ES-99, ES-100.

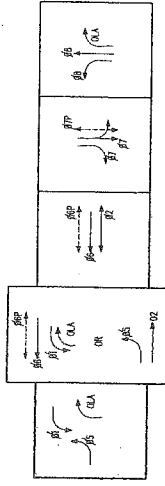
PROJECT NOTES:

- 1. EXISTING NO. 5 SIGNAL INTERCONNECT PULLBOX TO BE REPLACED AND RELOCATED TO BE TRAFFIC SIGNAL PULLBOX TO BE REPLACED WITH NO. 5 PULL BOX AND RELOCATED AT THE INTERSECTION OF BRIDGEWAY AND GATE 6 ROAD. EXISTING CONDUITS #2, #4 AND #7 TO BE INSTALLED ACCORDING TO OPERATIONAL PRIOR TO REMOVING EXISTING TYPE 1-B POLE (1).
- 2. NEW TYPE 1-B POLE (1), HEADS AND BUTTONS TO BE INSTALLED AND OPERATIONAL PRIOR TO REMOVING EXISTING TYPE 1-B POLE (1).
- 3. REPLACE ALL PHASE 7 EXISTING DETECTOR LOOPS. TYPE D LOOPS TO BE INSTALLED AS SHOWN.
- 4. PHASE 6 LOOPS TO BE REPLACED AS REQUIRED DUE TO DAMAGE BY GRINDING OR RELOCATION OF EXISTING CURB AND GUTTER.
- 5. PHASE 1 LOOPS TO BE REPLACED AS REQUIRED DUE TO DAMAGE BY GRINDING.
- 6. REPLACE PULLBOX COVER WITH NEW "TRAFFIC SIGNAL" DESIGNATED COVER.
- 7. EXISTING TYPE II-AF SERVICE EQUIPMENT ENCLOSURE.
- 8. EXISTING MODEL 170 CONTROLLER ASSEMBLY WITH TYPE 312 CABINET AND BATTERY BACKUP.



AS-BUILT
 PERMIT NO. = PERM15914
 COUNTY = MARIN
 ROUTE = 4-101
 POST FILE = 4-327

CALIFORNIA DEPARTMENT OF TRANSPORTATION
 122 Alameda Street, Suite 1000
 San Francisco, CA 94133
 DATE: 12/15/03



EXISTING PHASE DIAGRAM

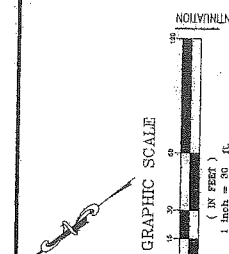
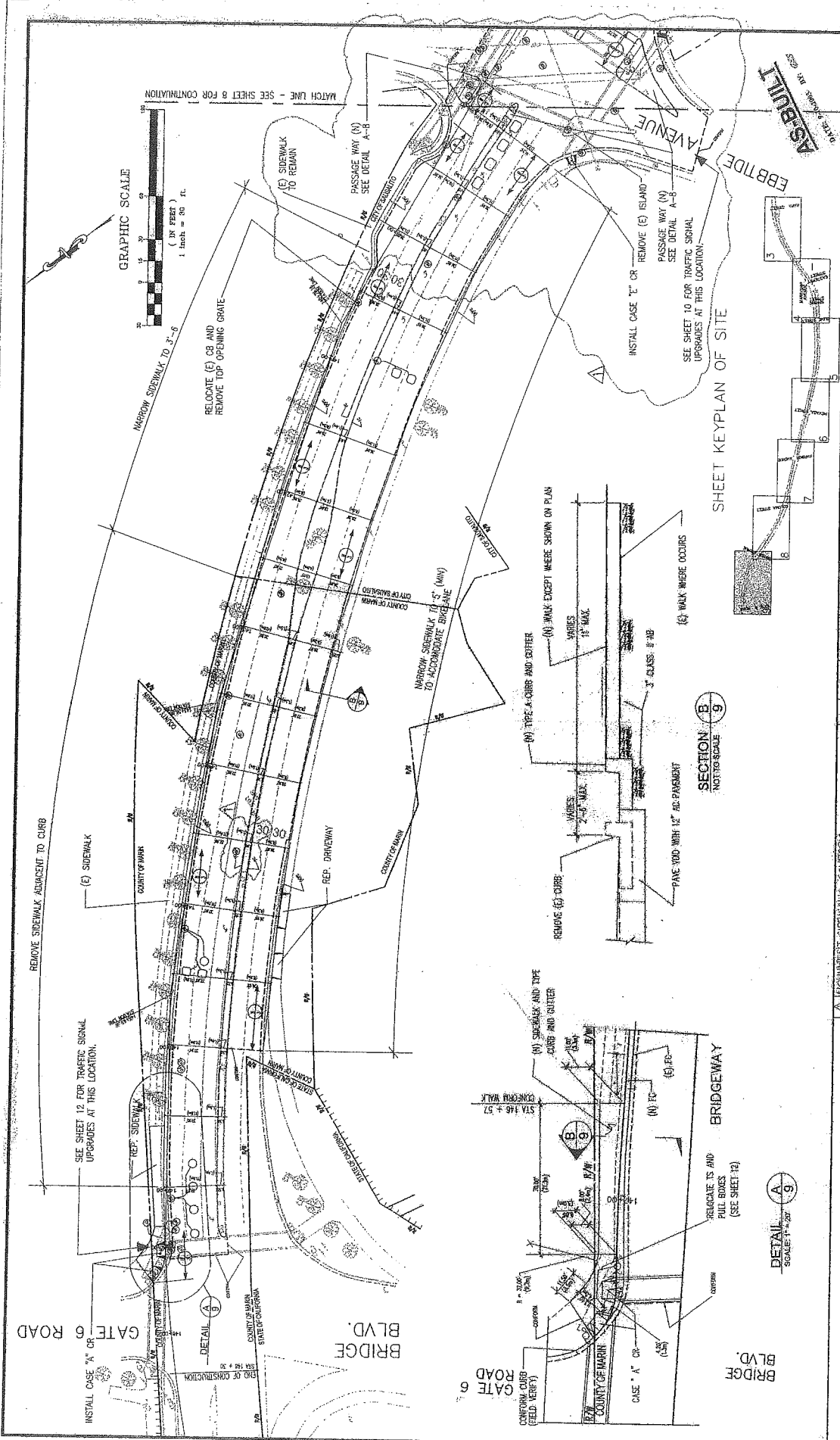
CITY OF SAUSALITO
 COMMUNITY DEVELOPMENT DEPARTMENT

BRIDGEWAY BIKEWAY PROJECT
 MAPA STREET TO GATE 6 ROAD
 SIGNAL AND LIGHTING LOCATION AT
 GATE 6 ROAD

REVISIONS PER: SAUSALITO (LESS THAN 1/2)

DESIGN: []	SCALE: 1" = 200'	DATE: 12/15/03
CHECKED: []	APPROVED: []	
SHEET NO. 10 OF 10		

PLAN OF EXISTING SIGNAL



GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

SEE SHEET 12 FOR TRAFFIC SIGNAL
UPGRADES AT THIS LOCATION.

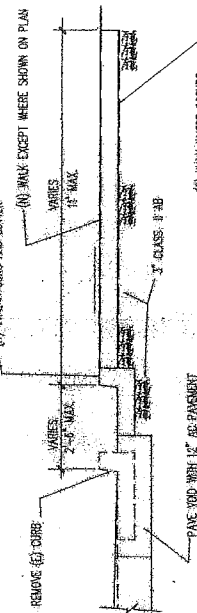
INSTALL CASE "A" OR
GATE 6 ROAD

RELOCATE (E) CS AND
REMOVE TOP OPENING GRATE

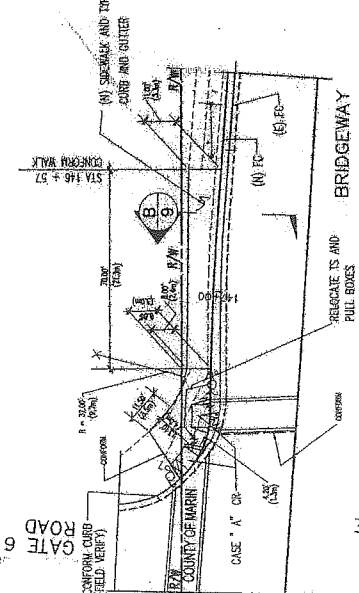
MATCH LINE - SEE SHEET 8 FOR CONTINUATION

INSTALL CASE "E" OR
REMOVE (E) ISLAND
PASSAGE WAY (N)
SEE DETAIL A-8

SEE SHEET 10 FOR TRAFFIC SIGNAL
UPGRADES AT THIS LOCATION



SECTION B-B
TO SCALE 1/8"



DETAIL A-A
SCALE 1/4"

SHEET KEYPLAN OF SITE



BRIDGEWAY BIKEWAY PROJECT
NAPA STREET TO GATE 6 ROAD
PAVING PLAN

NO.	DATE	BY	DATE

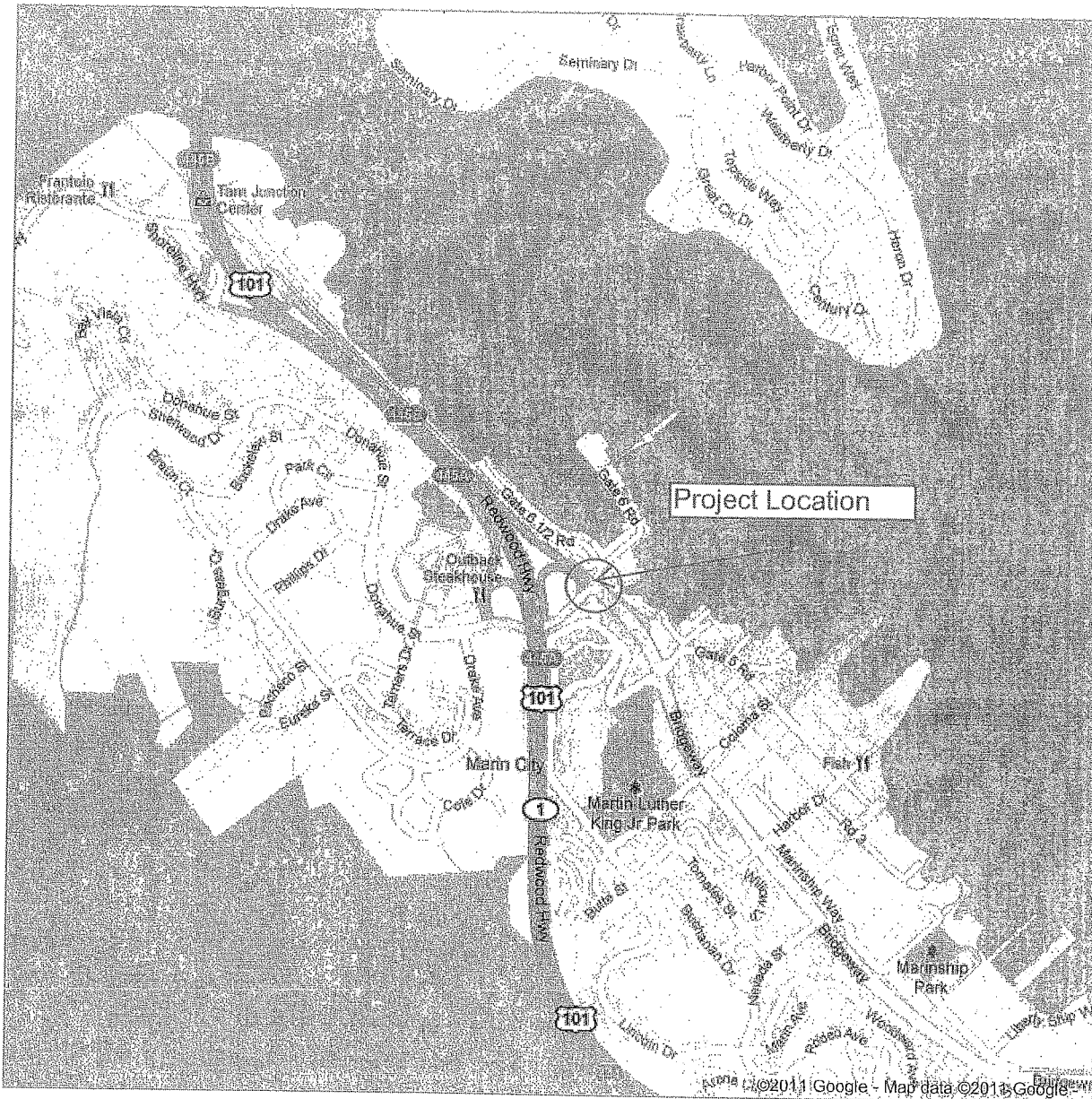
CITY OF SAUSALITO
COMMUNITY DEVELOPMENT DEPARTMENT

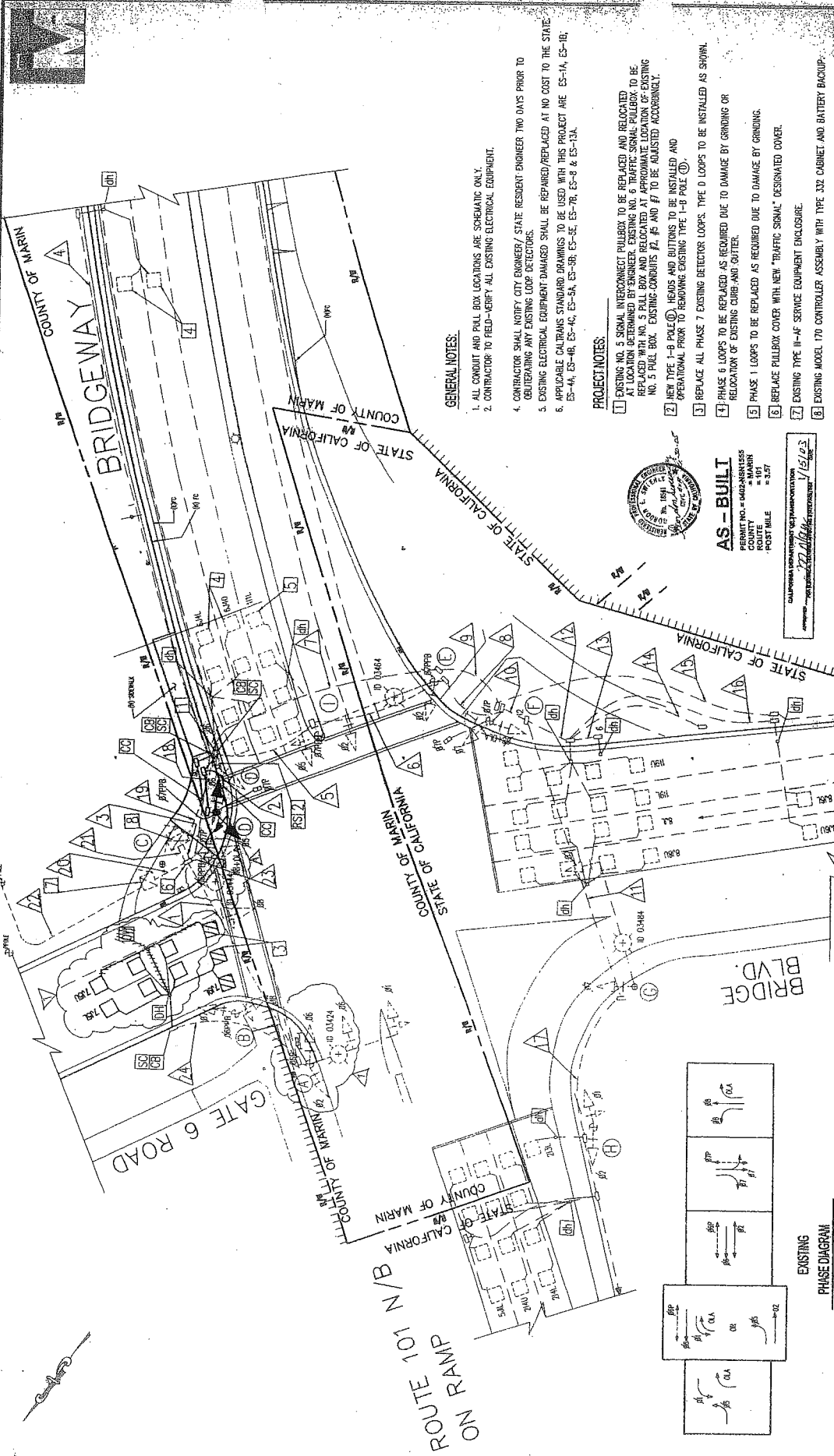
WARNING
IF THIS BAS PLAN
NOT APPROVED BY
CITY ENGINEER
NOT TO BE USED

DESIGN - DRAWER: SCALE: DATE: DRAWN: SHEET: 9
CHECKED: DATE: APPROVED: RESIGNED: 21

ROADWAY IMPROVEMENT PLAN
AT AND SOUTH OF
GATE 6 ROAD INTERSECTION
EXISTING

Notes Vicinity Map
City of Sausalito
Gate 6 Road Intersection
Modifications





GENERAL NOTES:

1. ALL CONDUIT AND PULL BOX LOCATIONS ARE SCHEMATIC ONLY.
2. CONTRACTOR TO FIELD-VERIFY ALL EXISTING ELECTRICAL EQUIPMENT.
3. CONTRACTOR SHALL NOTIFY CITY ENGINEER / STATE RESIDENT ENGINEER TWO DAYS PRIOR TO UNDERMINING ANY EXISTING LOOP DETECTORS.
4. EXISTING ELECTRICAL EQUIPMENT DAMAGED SHALL BE REPAIRED/REPLACED AT NO COST TO THE STATE.
5. APPLICABLE CALTRANS STANDARD DRAWINGS TO BE USED WITH THIS PROJECT ARE ES-1A, ES-1B, ES-4A, ES-4B, ES-4C, ES-4D, ES-5A, ES-5B, ES-5C, ES-5D, ES-5E, ES-5F, ES-5G, ES-5H, ES-5I, ES-5J, ES-5K, ES-5L, ES-5M, ES-5N, ES-5O, ES-5P, ES-5Q, ES-5R, ES-5S, ES-5T, ES-5U, ES-5V, ES-5W, ES-5X, ES-5Y, ES-5Z, ES-6A, ES-6B, ES-6C, ES-6D, ES-6E, ES-6F, ES-6G, ES-6H, ES-6I, ES-6J, ES-6K, ES-6L, ES-6M, ES-6N, ES-6O, ES-6P, ES-6Q, ES-6R, ES-6S, ES-6T, ES-6U, ES-6V, ES-6W, ES-6X, ES-6Y, ES-6Z, ES-7A, ES-7B, ES-7C, ES-7D, ES-7E, ES-7F, ES-7G, ES-7H, ES-7I, ES-7J, ES-7K, ES-7L, ES-7M, ES-7N, ES-7O, ES-7P, ES-7Q, ES-7R, ES-7S, ES-7T, ES-7U, ES-7V, ES-7W, ES-7X, ES-7Y, ES-7Z, ES-8A, ES-8B, ES-8C, ES-8D, ES-8E, ES-8F, ES-8G, ES-8H, ES-8I, ES-8J, ES-8K, ES-8L, ES-8M, ES-8N, ES-8O, ES-8P, ES-8Q, ES-8R, ES-8S, ES-8T, ES-8U, ES-8V, ES-8W, ES-8X, ES-8Y, ES-8Z, ES-9A, ES-9B, ES-9C, ES-9D, ES-9E, ES-9F, ES-9G, ES-9H, ES-9I, ES-9J, ES-9K, ES-9L, ES-9M, ES-9N, ES-9O, ES-9P, ES-9Q, ES-9R, ES-9S, ES-9T, ES-9U, ES-9V, ES-9W, ES-9X, ES-9Y, ES-9Z, ES-10A, ES-10B, ES-10C, ES-10D, ES-10E, ES-10F, ES-10G, ES-10H, ES-10I, ES-10J, ES-10K, ES-10L, ES-10M, ES-10N, ES-10O, ES-10P, ES-10Q, ES-10R, ES-10S, ES-10T, ES-10U, ES-10V, ES-10W, ES-10X, ES-10Y, ES-10Z.

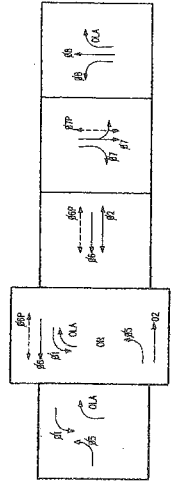
PROJECT NOTES:

1. EXISTING NO. 5 SIGNAL INTERCONNECT PULLBOX TO BE REPLACED AND RELOCATED AT LOCATION DETERMINED BY ENGINEER. EXISTING NO. 6 TRAFFIC SIGNAL PULLBOX TO BE REPLACED WITH NO. 5 PULL BOX AND RELOCATED AT APPROXIMATE LOCATION OF EXISTING NO. 5 PULL BOX. EXISTING CONDUITS #2, #5 AND #7 TO BE ADJUSTED ACCORDINGLY.
2. NEW TYPE 1-B POLE WITH HEADS AND UTILITY TO BE INSTALLED AND OPERATIONAL PRIOR TO REMOVING EXISTING TYPE 1-B POLE.
3. REPLACE ALL PHASE 7 EXISTING DETECTOR LOOPS. TYPE 0 LOOPS TO BE INSTALLED AS SHOWN.
4. PHASE 6 LOOPS TO BE REPLACED AS REQUIRED DUE TO DAMAGE BY GRINDING OR RELOCATION OF EXISTING CURB AND GUTTER.
5. PHASE 1 LOOPS TO BE REPLACED AS REQUIRED DUE TO DAMAGE BY GRINDING.
6. REPLACE PULLBOX COVER WITH NEW "TRAFFIC SIGNAL" DESIGNATED COVER.
7. EXISTING TYPE II-AF SERVICE EQUIPMENT ENCLOSURE.
8. EXISTING MODEL 170 CONTROLLER ASSEMBLY WITH TYPE 33Z CABINET AND BATTERY BACKUP.



AS-BUILT
 PERMIT NO. = 0402-AN-08835
 PROJECT NO. = 101
 POST MILE = 3.57

CALIFORNIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 12595 AVENUE 63, SACRAMENTO, CALIFORNIA 95821-3900
 (916) 227-1393
 FAX (916) 227-1394
 WWW.DOT.CA.GOV

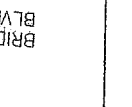
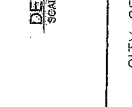
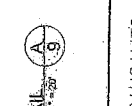
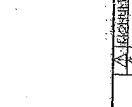
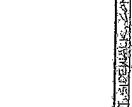
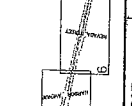
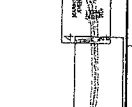
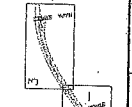
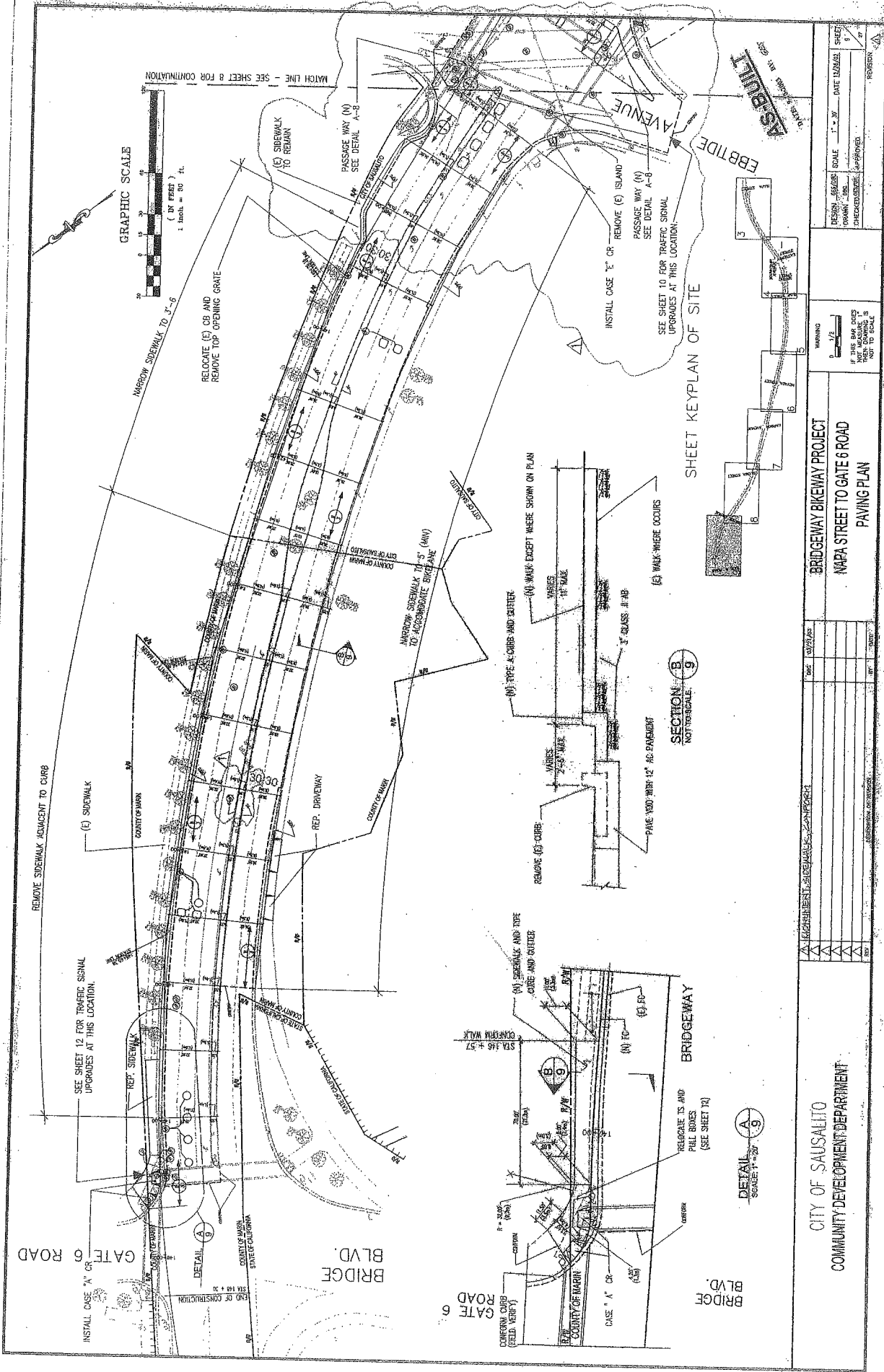


CITY OF SAUSALITO
 COMMUNITY DEVELOPMENT DEPARTMENT

REVISION PER COMMENTS (LESS THAN 20%)

DESIGN	DATE	SCALE	DATE
DRW	11/20/03	1" = 200'	11/20/03
CHECKED			
APPROVED			
WARNING: IF THIS DATE DOES NOT MATCH THE DATE ON THE DRAWING, IT IS NOT TO SCALE.			

PLAN OF EXISTING
 SIGNAL



BRIDGEWAY BIKEWAY PROJECT
MAPA STREET TO GATE 6 ROAD
PAVING PLAN

DESIGN: [blank]	SCALE: [blank]	DATE: [blank]	SHEET: [blank]	TOTAL SHEETS: [blank]
DRAWN BY: [blank] / CHECKED BY: [blank] / APPROVED: [blank]				

ASBUILT
 DATE: [blank] TIME: [blank]

REVISION:
 NO. DATE BY

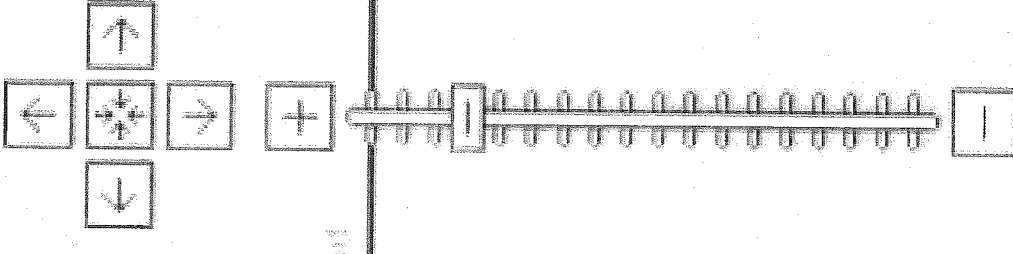
CITY OF SAUSALITO
 COMMUNITY DEVELOPMENT DEPARTMENT

SECTION 9
 MATERIALS
 NOT RELEVANT

DETAIL 9
 SCALE: 1" = 30'

SECTION 9
 MATERIALS
 NOT RELEVANT

ROADWAY IMPROVEMENT PLAN
 AT AND SOUTH OF
 GATE 6 ROAD INTERSECTION
 EXISTING



Map

Satellite

Hybrid

Topo

Richardson Bay

Project Location



1

Redwood Hwy

Mann City
Point Bonita

Martin Luther King Jr Park

San Francisco North

Marship Park

Gridgeway

Dunphy Park

37-52.325N, 122-28.844W
USNG 10S EG 4588 9174



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**U.S. Fish & Wildlife Service
Sacramento Fish & Wildlife Office**

**Federal Endangered and Threatened Species that Occur in
or may be Affected by Projects in the
POINT BONITA (467D)
U.S.G.S. 7 1/2 Minute Quad**

Database last updated: September 18, 2011

Report Date: October 20, 2011

Listed Species

Invertebrates

Haliotes cracherodii

black abalone (E) (NMFS)

Haliotes sorenseni

white abalone (E) (NMFS)

Icaricia icarioides missionensis

mission blue butterfly (E)

Fish

Eucyclogobius newberryi

critical habitat, tidewater goby (X)

tidewater goby (E)

Hypomesus transpacificus

delta smelt (T)

Oncorhynchus kisutch

coho salmon - central CA coast (E) (NMFS)

Critical habitat, coho salmon - central CA coast (X) (NMFS)

Oncorhynchus mykiss

Central California Coastal steelhead (T) (NMFS)

Central Valley steelhead (T) (NMFS)

Critical habitat, Central California coastal steelhead (X) (NMFS)

Oncorhynchus tshawytscha

California coastal chinook salmon (T) (NMFS)

Central Valley spring-run chinook salmon (T) (NMFS)

winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Rana draytonii

California red-legged frog (T)

Reptiles

Caretta caretta

loggerhead turtle (T) (NMFS)

Chelonia mydas (incl. agassizi)

green turtle (T) (NMFS)

Dermochelys coriacea

leatherback turtle (E) (NMFS)

Lepidochelys olivacea

olive (=Pacific) ridley sea turtle (T) (NMFS)

Birds

Brachyramphus marmoratus

Critical habitat, marbled murrelet (X)

marbled murrelet (T)

Charadrius alexandrinus nivosus

western snowy plover (T)

Diomedea albatrus

short-tailed albatross (E)

Pelecanus occidentalis californicus

California brown pelican (E)

Rallus longirostris obsoletus

California clapper rail (E)

Sternula antillarum (=Sterna, =albifrons) browni

California least tern (E)

Mammals

Arctocephalus townsendi

Guadalupe fur seal (T) (NMFS)

Balaenoptera borealis

sei whale (E) (NMFS)

Balaenoptera musculus

blue whale (E) (NMFS)

Balaenoptera physalus

finback (=fin) whale (E) (NMFS)

Eubalaena (=Balaena) glacialis

right whale (E) (NMFS)

Eumetopias jubatus

Critical Habitat, Steller (=northern) sea-lion (X) (NMFS)

Steller (=northern) sea-lion (T) (NMFS)

Physeter catodon (=macrocephalus)

sperm whale (E) (NMFS)

Reithrodontomys raviventris

salt marsh harvest mouse (E)

Key:

(E) *Endangered* - Listed as being in danger of extinction.

(T) *Threatened* - Listed as likely to become endangered within the foreseeable future.

(P) *Proposed* - Officially proposed in the Federal Register for listing as endangered or threatened.

(NMFS) Species under the Jurisdiction of the National Oceanic & Atmospheric Administration Fisheries Service. Consult with them directly about these species.

Critical Habitat - Area essential to the conservation of a species.

(PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.

(C) *Candidate* - Candidate to become a proposed species.

(V) *Vacated* by a court order. Not currently in effect. Being reviewed by the Service.

(X) *Critical Habitat* designated for this species

GEOTRACKER

Map Satellite Hybrid Terrain

Address Found:
Bridgeway & Gate 6 Rd
Sausalito, CA 94965

Map data ©2011 Google - Terms of Use

LAYERS

- SIGNIFIES A CLOSED SITE
- Leaking Underground Tank (LUST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- WDR Sites
- Permitted Underground Storage Tank (UST) Facilities
- Monitoring Wells*

* ZOOM IN TO SEE MWS

- DTSC Cleanup Sites
- DTSC Haz Waste Permit

MAP SIZE 640x480

OPTIONS

Site List - EXPORT TO EXCEL

8 Sites

City of Sausalito

Project Name: Gate 6 Road Intersection Modifications

Hazardous Materials Site List - Date Source: Cal State Water Resources Control Board Geotracker

Date Produced: 10/20/2011

GEOTRACKER ID	SITE NAME	CLEANUP STATUS	ADDRESS	CITY	LATITUDE	LONGITUDE
T0604100120	SHELL	COMPLETED - CASE CLOSED	2901 BRIDGEWAY BLVD	SAUSALITO	37.872013	-122.50319
T0604100332	FLEA MARKET PROPERTY	COMPLETED - CASE CLOSED	100 DONAHUE ST	MARIN CITY	37.873227	-122.509107
12851	SAUSALITO SHELL CAR WASH		2901 BRIDGEWAY BLVD.	SAUSALITO	37.86952	-122.50329
SL0604181210	APOLLO CLEANERS	COMPLETED - CASE CLOSED	160 DONAHUE STREET	MARIN CITY	37.87372	-122.511752
SL0604101071	HEATH CERAMICS	COMPLETED - CASE CLOSED	400 GATE 5 RD	SAUSALITO	37.869337	-122.500132
12867	MARIN COUNTY - MARIN CITY		850 DRAKE AVE.	MARIN CITY	37.87423	-122.51304
T10000002070	FORMER ANDERSON'S BOAT YARD	OPEN - SITE ASSESSMENT	400 HARBOR DRIVE	SAUSALITO	37.869687	-122.498779
SLT20315206	MARINSHIP	OPEN - INACTIVE	UNKNOWN SPRING ST & GATE 5	SAUSALITO	37.868315	-122.4988461

Gate 6 Road Intersection Modifications Visual Impact Assessment

Change to the Visual Environment

1. Will the project result in a noticeable change in the physical characteristics of the existing environment?

Response: No. Project will generate no to low level of change.

Score (1) Low level of change

2. Will the project complement or contrast with the visual character desired by the community?

Response: The work is expected to maintain the current character of the area which is believed to be acceptable to the Community Goals

Score (1) Somewhat to highly compatible

3. What types of project features and construction impacts are proposed?

Response: Project is expected to be a minor modification of an existing traffic signal to better accommodate all modes (motor vehicles, peds and bikes) of traffic than current. Expected work includes the installation of new vehicle detectors. Possible installation of new signal indicators. Installation and replacement of roadway delineation (a.k.a striping), change of signal controller hardware, change of signal timing plan. Small possibility of curb and gutter installation, small possibility of corner ramp replacement.

Score (1) Low Concern

4. Will the project changes likely be mitigated by normal means such as landscaping and architectural enhancement or will avoidance measures be necessary to minimize adverse change?

Response: Project work scope is anticipated to have no changes requiring mitigations such as landscaping or architectural enhancement. No avoidance measures are contemplated given project scope. No further mitigation is anticipated.

Score (1) Normal to No Mitigation

5. Will this project, when seen collectively with other projects, result in an aggregate adverse change in overall visual quality or character?

Response: No. This project does not change the character of the area. This project is not part of a series of projects intended to change the character of the area. The project proposes to perform a minor modification of an existing traffic signal.

Score (1) Cumulative Impacts unlikely

Viewer Sensitivity

1. What is the potential that the project proposal may be controversial within the community, or opposed by any organized group?

Response: There will be no controversy about the appearance of the work. The only potential for community concern will be related to operational changes in the timing cycle. If the intersection LOS changes (degrades as a result of the timing changes users could be upset. Though a possibility, there is an infinite ability to

respond post construction with other timing changes to respond. No long term controversy is anticipated. The project is exempt from City Design Review. The project is very important to the cycling community who currently are put at greater than normal risk with current operations. Design elements reflect those concerns. It is expected that minor controversy may arise as construction work temporarily interferes with normal operation. Work hours are scheduled to minimize interferences from noise. Short term interruptions (2-20 minutes) of traffic (all modes but at differing times) is expected in the work area during construction phase. If disruptions are unavoidable all efforts will be made to keep disruptions down to minimum. Such disruptions are not anticipated to affect or provoke community groups.

Score (1) Low Potential

2. *How sensitive are potential viewer-groups likely to be regarding visible changes proposed by the project?*

Response: Not sensitive at all. The expected work is not expected to require replacement of signal standards or location of signal controller the changes are expected to be so minor as to not be noticeable as distinctive after a few weeks of operation. The proposed work scope is not expected to create any concern about visual changes from the project.

Score (1) Low Sensitivity

3. *To what degree does the project appear to be consistent with applicable laws, ordinances, regulations, policies or standards?*

Response: The Project is compatible with Laws, Regulations, Policies and Standards

Score (1) Largely compatible

4. *Are any permits going to be required by outside regulatory agencies (i.e., Federal, State, or local) that will necessitate a particular level of Visual Impact Assessment?*

Response: A Visual Impact Assessment was performed pursuant to Federal Guideline outlined in the publication "Visual Impact Assessment for Highway Projects, FHWA, 1981. The draft assessment concluded that there are no visual impacts with the project.

Score (1) No visual assessments.

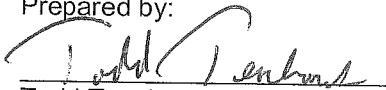
5. *Will the Project Development Team or public benefit from a more detailed visual analysis in order to help reach consensus on a course of action?*

Response: No. The project is not significantly changing the visual nature of the community. As such further analysis is believed to be unnecessary.

Score (1) - No

Total Score 10

Prepared by:


Todd Teachout, City Engineer

Date:

October 20, 2011