

**DEPARTMENT OF TRANSPORTATION**

DISTRICT 4

OFFICE OF TRANSIT AND COMMUNITY PLANNING

P.O. BOX 23660, MS-10D

OAKLAND, CA 94623-0660

PHONE (510) 286-5528

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www.dot.ca.gov

Governor's Office of Planning &amp; Research

*Making Conservation  
a California Way of Life.***MAR 12 2020**

March 12, 2020

**STATE CLEARINGHOUSE**

SCH #2020029059

GTS # 04-ALA-2020-00516

GTS ID: 18718

Co/Rt/Pm: ALA/880/11.85

Jim Browne

Alameda County Flood Control &amp; Water

Conservation District

399 Elmhurst Street

Hayward, CA 94544

**Lower Alameda Creek Fish Restoration in Flood Control District Zone 5, Cities of Fremont and Union City, California – Initial Study with Mitigated Negative Declaration/Environmental Assessment (ISMND/EA)**

Dear Jim Browne:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for this project. We are committed to ensuring that impacts to the State's multimodal transportation system and to our natural environment are identified and mitigated to support a safe, sustainable, integrated and efficient transportation system. The following comments are based on our review of the February 2020 ISMND/EA.

***Project Understanding***

The Alameda County Flood Control and Water Conservation District proposes 1) the optimization of the existing low flow channel within the 230-foot wide flood control channel (Alameda Creek) from the scour pool immediately downstream of the BART Weir to about 600 feet downstream of the Union Pacific Railroad crossing, 2) modification of the RD2/Larinier fishway concrete structure, 3) modification of existing grade control structures, 4) modification of bridge footings in the channel, 5) modification of UPRR bridge footing in the channel, 6) protect PG&E gas main channel crossing upstream of UPRR, 7) installation of a new modified grade control structure, 8) installation of boulders to improve habitat, and 9) planting native shrubs and grasses on the new low flow channel terrace or flood plain between the levees. An overpass that carries Interstate (I)-880 over Alameda Creek is located within the project area.

### ***Hydraulics***

Caltrans has an existing outfall culvert with sacked concrete slope protection at the southbound embankment that should be identified and worked around (see attached as-built plan).

According to Appendix A, Existing and Proposed Profiles, it appears that at the riverbed at the I-880 overcrossing will be raised. Please ensure that this reduced cross section can accommodate flows by completing a hydraulics analysis. This analysis should be reviewed and approved by Caltrans.

### ***Utilities***

Any utilities that are proposed, moved or modified within Caltrans' Right-of-Way (ROW) shall be discussed. If utilities are impacted by the project, provide site plans that show the location of existing and/or proposed utilities. These modifications require a Caltrans-issued encroachment permit.

### ***Lead Agency***

As the Lead Agency, the Alameda County Flood Control and Water Conservation District is responsible for all project mitigation, including any needed improvements to the State Transportation Network (STN). The project's fair share contribution, financing, scheduling, implementation responsibilities and lead agency monitoring should be fully discussed for all proposed mitigation measures.

### ***Encroachment Permit***

Please be advised due to work being performed near I-880, an encroachment permit will likely be required. To obtain an encroachment permit, a completed encroachment permit application, environmental documentation, six (6) sets of plans clearly indicating the State ROW, and six (6) copies of signed, dated and stamped (include stamp expiration date) traffic control plans must be submitted to: Office of Encroachment Permits, Caltrans District 4, P.O. Box 23660, Oakland, CA 94623-0660. To download the permit application and obtain more information, visit <https://dot.ca.gov/programs/traffic-operations/ep/applications>.

Jim Browne  
March 12, 2020  
Page 3

Thank you again for including Caltrans in the environmental review process. Should you have any questions regarding this letter, please contact Andrew Chan at 510-622-5433 or [andrew.chan@dot.ca.gov](mailto:andrew.chan@dot.ca.gov).

Sincerely,



Mark Leong  
District Branch Chief  
Local Development - Intergovernmental Review

c: State Clearinghouse



Date	Country	Route	Paid Miles Total Project
04	Ala	880	2.3/12.8

*E. F. Asher*  
 DESIGN ENGINEER  
 REGISTERED CIVIL ENGR  
 NO. 8935

DATE APPROVED April 27, 1987

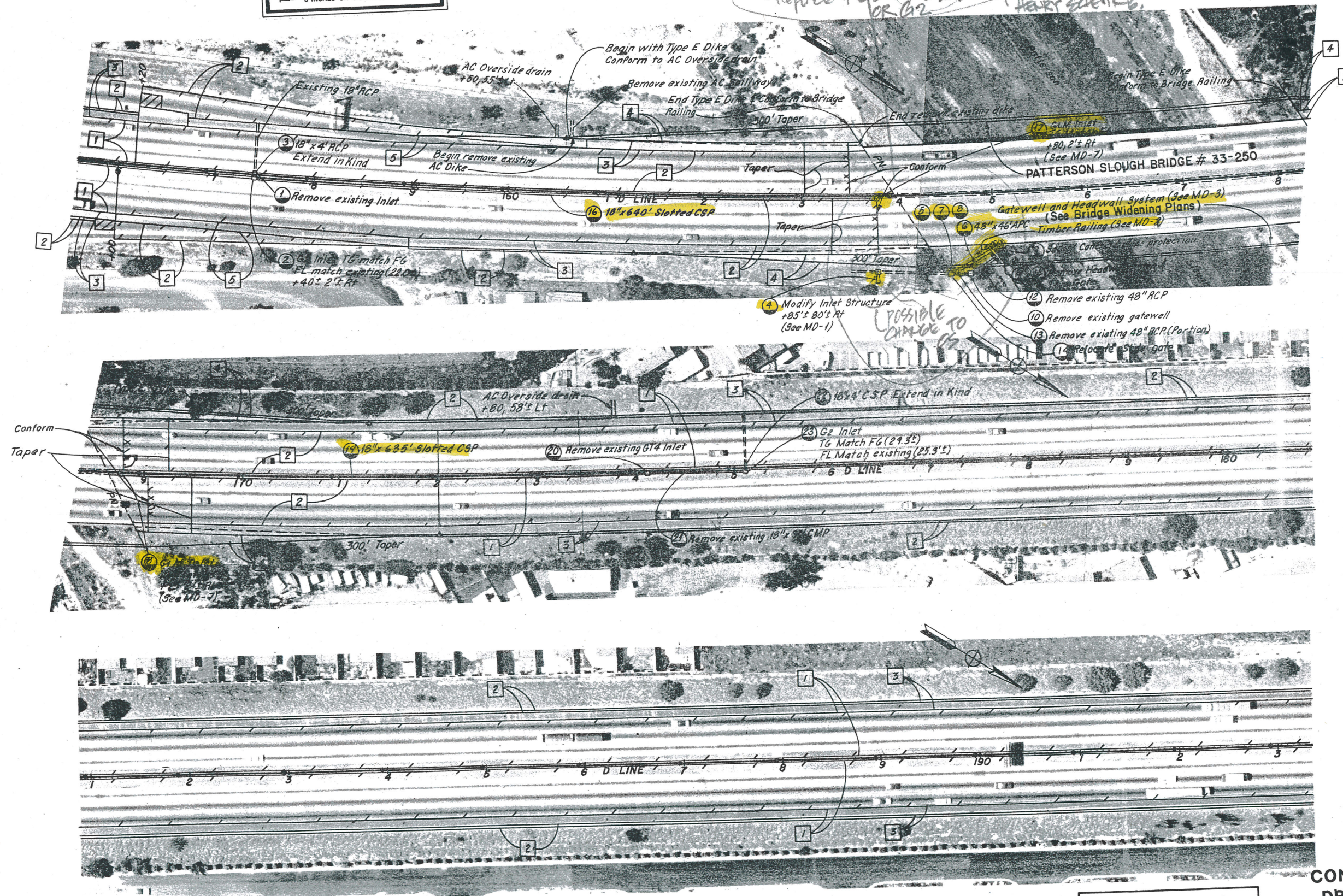
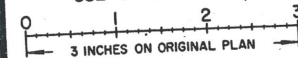
**NOTE :**

See Paving Conform Limit Detail  
Conforms Exact location to be determined by the Engineer.

Conforms Exact location to be determined by the Engineer  
 CLO  
 4-25-89  
 Replace FOS w/ O.S.  
 PR 82  
 REQUESTED BY  
 HENRY SCHENK

**REDUCED PLAN**  
USE SCALE BELOW

USE SCALE BELOW



FOR NOTES, ABBREVIATIONS  
&/OR LEGEND, SEE SHEET CD-1

# CONSTRUCTION AND DRAINAGE DETAILS

SCALE 1" = 50'

10814

FOR REDUCED PLANS





SHOULDER BACKING		
Sheet No.	Location	Station
CD-1	Rt EI 107+00 to 126+55	19.6
"	Lt EI 107+00 to 126+55	19.6
CD-2	Lt EI 126+55 to 152+00	25.5
"	Rt EI 126+55 to 152+00	25.5
CD-3	Lt EI 152+00 to 155+75	3.8
"	Lt EI 158+00 to 167+50	9.5
"	Rt EI 152+00 to 156+00	4.0
"	Rt EI 158+00 to 167+50	9.5
CD-4	Lt EI 167+50 to 215+00	47.5
"	Rt EI 167+50 to 215+00	47.5
CD-5	Lt EI 215+00 to 246+00	31.0
"	Rt EI 215+00 to 246+00	31.0
CD-7	Lt EI 246+00 to 293+50	47.5
"	Rt EI 246+00 to 293+50	47.5
CD-8	Lt EI 293+50 to 314+00	20.5
"	Lt EI 316+00 to 339+50	23.5
"	Rt EI 293+50 to 314+00	20.5
"	Rt EI 316+00 to 339+50	23.5
CD-9	Lt EI 339+50 to 359+00	19.5
"	Rt EI 339+50 to 359+00	19.5
CD-10	Lt EI 359+00 to 373+00	14.0
"	Rt EI 359+00 to 373+00	14.0
CD-11	Lt EI 373+00 to 416+00	43.0
"	Rt EI 373+00 to 416+00	43.0
CD-12	Lt EI 416+00 to 420+00	4.0
"	Lt EI 421+50 to 445+00	23.5
"	Rt EI 416+00 to 445+00	29.0
CD-13	Lt EI 445+00 to D 15+50	14.2
"	Rt EI 445+00 to D 15+50	14.2
CD-15	Lt D 15+50 to DI 58+50	43.0
"	Rt D 15+50 to DI 58+50	43.0
CD-16	Lt DI 58+50 to 84+00	25.5
"	Lt DI 86+50 to 102+00	15.5
"	Rt DI 58+50 to 84+00	25.5
"	Rt DI 86+50 to 102+00	15.5
CD-17	Lt DI 102+00 to 104+50	2.5
"	Lt DI 106+50 to 142+00	35.5
"	Rt DI 102+00 to 103+50	1.5
"	Rt DI 106+00 to 142+00	36.0
CD-18	Rt D 143+50 to 150+50	7.0
"	Lt D 144+50 to 151+00	6.5
"	Rt D 153+00 to 155+50	2.5
"	Lt D 153+50 to 155+50	2.0
CD-19	Lt D 155+50 to 161+00	5.5
"	Lt D 171+00 to 193+00	22.0
"	Rt D 155+50 to 161+00	5.5
"	Rt D 172+00 to 193+00	21.0
CD-20	Lt D 193+00 to 216+00	23.0
"	Rt D 193+00 to 216+00	23.0
	Total	1056.4

PAVEMENT TRANSITION TAPER		
Sheet No.	Description	SYQD
CD-1	NB Lanes, Beginning of Project	80
"	SB Lanes, Beginning of Project	80
CD-3	NB Lanes, South End Fremont BI OC	180
"	NB Lanes, North End Fremont BI OC	180
"	SB Lanes, South End Fremont BI OC	180
"	SB Lanes, North End Fremont BI OC	180
CD-8	NB Lanes, South End Stevenson BI OC	180
"	NB Lanes, North End Stevenson BI OC	180
"	SB Lanes, South End Stevenson BI OC	180
"	SB Lanes, North End Stevenson BI OC	180
CD-12	SB Lanes, South End Central Ave OC	180
"	SB Lanes, North End Central Ave OC	180
CD-16	NB Lanes, South End Decoto Road OC	180
"	NB Lanes, North End Decoto Road OC	180
"	SB Lanes, South End Decoto Road OC	180
"	SB Lanes, North End Decoto Road OC	180
CD-17	NB Lanes, Approach End Crandall Creek Br	80
"	NB Lanes, Leaving End Crandall Creek Br	80
"	SB Lanes, Leaving End Crandall Creek Br	80
"	SB Lanes, Approach End Crandall Creek Br	80
CD-18	NB Lanes, South End Fremont BI OC (Br 33-248)	180
"	NB Lanes, North End Fremont BI OC (Br 33-248)	180
"	SB Lanes, South End Fremont BI OC (Br 33-248)	180
"	SB Lanes, North End Fremont BI OC (Br 33-248)	180
"	NB Lanes, South End Alvarado-Fremont BI OC	180
"	NB Lanes, North End Alvarado-Fremont BI OC	180
"	SB Lanes, South End Alvarado-Fremont BI OC	180
"	SB Lanes, North End Alvarado-Fremont BI OC	180
CD-19	NB Lanes, Approach End Patterson Slough Br	80
"	NB Lanes, Leaving End Patterson Slough Br	80
"	SB Lanes, Leaving End Patterson Slough Br	80
"	SB Lanes, Approach End Patterson Slough Br	80
CD-20	NB Lanes, Approach End Alameda Creek Br	80
"	SB Lanes Leaving End Alameda Creek Br	80
	Total	4920

ASPHALT CONCRETE DIKE					
Sheet No.	Location	Place AC Dike		Remove Dike	Asphalt Concrete Type A
		Type A	Type E		
		LF		LF	Ton
CD-1	Lt EI 106+00 to 119+25	1325		1325	33.3
CD-9	Lt EI 353+00 to 357+45		415		8.1
"	Rt EI 5+50 to 7+85		235		4.6
CD-15	Rt T2 20+50 to Rt D 22+00		375		7.3
CD-16	Lt DI 63+00 to 72+50		950	950	18.5
"	Lt DI 72+55 to 76+65		410		8.0
"	Rt DI 63+00 to 75+00		1200	1200	23.4
"	Rt DI 75+05 to 78+60		355		6.9
"	Rt DI 94+25 to 102+00		775		15.1
CD-17	Rt DI 102+00 to 104+00		200		3.9
"	Rt DI 105+50 to 108+40 ±		295		5.8
"	Lt DI 137+00 to 141+00		400		7.8
CD-19	Lt D 160+50 to 163+50		300		5.8
"	Lt D 160+70 to 163+50			280	
"	Lt D 168+20 to 176+70 ±		845	845	16.4
	Total	1325	6,755	4,600	*164.9

\*For Information Only Quantities Included With Structural Section Quantities.

EARTHWORK			
Location	Description	(N) Embankment	Roadway Excavation
		CY	
Lt EI 160+25 to 180+00	Widen Truck Acceleration Lane Shoulder		550
Lt EI 319+25 to 330+00	Ramp Extension SB Off-ramp to Stevenson		650
Lt D 150+55 to 163+57	South Abutment, Patterson Slough	760	
Rt D 161+40 to 164+60	South Abutment, Patterson Slough	770	
Lt D 168+24 to 171+25	North Abutment, Patterson Slough	600	
Rt D 169+00 to 172+00	North Abutment, Patterson Slough	840	
Lt DI 101+00 to 105+00	South Abutment, Crandall Creek	250	
Rt DI 101+00 to 105+00	South Abutment, Crandall Creek	280	
Lt DI 105+00 to 111+00	North Abutment, Crandall Creek	0	
Rt DI 105+00 to 111+00	North Abutment, Crandall Creek	0	
Lt & Rt E 107+00 to D 216+00	Section 3 & 5 Base & Surface Removal		41600
	Shoulder Backing	2850	
	Total	6,350	42,800

36,450 CY Surplus to be stored at the designated sites as shown on sheets CD-5, CD-10, and CD-16.

(N) Not a Pay Item.

SUMMARY OF QUANTITIES

Dist.	County	Route	Post Miles	Sheet	Total
04	Ala	880	2.31/2.8	61	101
E. F. Mahan DESIGN ENGINEER REGISTERED CIVIL ENGINEER NO. 8935 DATE APPROVED April 27, 1987					

AS BUILT PLANS  
Contract No. 04-108144  
Date Completed 8-30-89  
Document No.

NO CONSTRUCTION CHANGES	
CONTRACT NO.	04-108144
DATE ACCEPTED	8-30-89
AS BUILT	
RESIDENT ENGINEER H. SCHEVING	

DATE	
APPROVAL, REVIEWED BY	
DATE	
DESIGN ENGINEER	
DATE	
PROJECT ENGINEER	

FOR REDUCED PLANS  
ORIGINAL SCALE IS IN INCHES

M.D.

108141

CERTIFICATE OF ACCURATE MICROFILM IMAGE	
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION AD-400 (REV. 1-77)	
I hereby certify that this is a true and accurate image of the above document taken under my direction and control on this date in Sacramento, California pursuant to authorization by the Director of Transportation.	
DATE	3/18/94
NOTED	

TAMERAN

30X



