

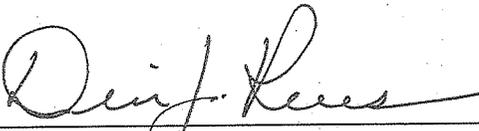
05-SB-101-PM 12.8/26.4  
05-SB-217-PM 0.8/2.9  
40.50.201.235  
05-OS250 0500020289  
August 2011

## Request Programming in 2012 SHOPP

**PROJECT LOCATION:**

In Santa Barbara and Goleta on Route 101 from Milpas Street to 0.2 Mile South of Hollister Avenue OC and on Route 217 from Goleta Slough Bridge to the 101/217 Separation at Various Locations.

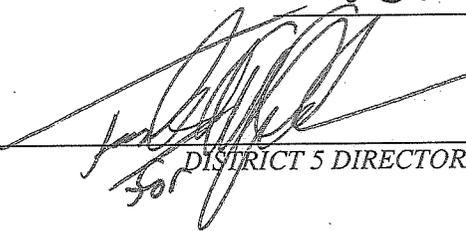
APPROVAL RECOMMENDED:

  
DISTRICT PROGRAM MANAGER

APPROVAL RECOMMENDED:

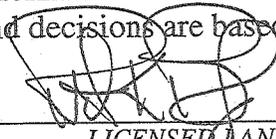
  
PROJECT MANAGER

APPROVED:

  
DISTRICT 5 DIRECTOR

  
DATE

This Project Initiation Document has been prepared under the direction of the following licensed landscape architect. The licensed landscape architect attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based.

  
LICENSED LANDSCAPE ARCHITECT

  
DATE



**Initiating Office/Initiator:**

The Program Manager for the Roadside Safety Improvement Program has established that a project is needed that meets the qualification for the 40.50.201.235 Program.

This project initiation document provides conceptual approval of the proposal and a recommendation to program the project into the current State Highway Operation and Protection Program. A project report will serve as final approval of the proposal.

**Purpose and Need:**

**Purpose:**

The roadsides of these routes have not been updated since 1993. Since that time the Department has placed greater emphasis on maintenance worker safety and roadside maintainability. This project will help correct these problems and create a more user friendly and safe work environment for maintenance personnel.

**Need:**

Identified areas within the project limits frequently expose maintenance workers to high speed traffic. Some areas of concern are lack of weed control under guardrail and in the median, mowing areas within gore areas, and silt removal from the shoulder. Other needs include vandal resistant enclosures on backflow preventers, increasing remote irrigation control equipment use, and relocating existing irrigation equipment to safer locations.

**Deficiency Summary:**

The maintenance exposure to traffic will be reduced by correcting the identified deficiencies. Deficiencies to be corrected include the lack of weed control under guardrails, mowing areas within gore areas, pruning trees, and silt removal from the shoulder. There are other issues such as installing vandal resistant enclosures on backflow preventers, increasing remote irrigation control equipment use.

**Project Proposal:**

This project will help reduce maintenance personnel exposure to traffic along the roadway and create safer corridors for all users. The project will relocate roadside facilities away from the traveled way, add maintenance vehicle pullouts, apply a thick layer of mulch and shale as weed controls, pave beyond the gore areas and add slope paving at select structures. The project will also replace signs in the gore areas with breakaway footings so repair time is significantly reduced resulting in less exposure. (Refer to attachment B for all identified locations)

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R/W: All work will be conducted within the State Right of Way. At this point no utilities are expected to be relocated.

Hazardous Waste: No hazardous waste impacts are expected with this project.

Stormwater: A storm water data report will be developed and updated at each milestone of the project.

Environmental: There are no environmental issues identified at this time.

**Programming**

PROJECT CAPITAL COST		
Fiscal Year	Right of Way Capital	Construction Capital
2014	\$10,000	\$1,981,000

Key assumptions for the cost estimate: Capital costs escalated 5% annually to construction year.

PROJECT SUPPORT COST COMPONENTS				
PA&ED 0 Phase	Design 1 Phase	Right of Way 2 Phase	Construction 3 Phase	Total
\$250	\$415	\$3	\$670	\$1,338

Note: All costs x \$1,000.

Key assumptions for support cost estimate: No major changes to scope and duration as defined in PID, no use of consultant services, Environmental Document is a CE, no R/W required, no Coastal permit just Design Review by City of Santa Barbara, single construction season.

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**Schedule:**

HQ Milestones	Delivery Date (Month, Day, Year)
PA & ED	3/01/2013
Regular Right of Way	4/01/2013
PS & E to Region OE	7/01/2013
Project PS&E	9/01/2013
Right of Way Certification	11/01/2013
Ready to List	12/01/2013
Approve Contract	5/01/2014
Contract Acceptance	8/01/2014
End Project	4/01/2016

Key assumptions for the schedule: PA&ED (0-phase open) begins July 2012, Environmental Document is a CE, no R/W required, no Coastal permit just Design Review by City of Santa Barbara, 2 months processing at Region OE, single construction season.

**Cost Estimate:**

<u>Access Work</u>	<u>Yes/No</u>	<u>Quantity</u> <u>(unit)</u>	<u>*Cost</u>
(A) Access Gates - Personnel	Yes___	4/(ea)	\$7,000
(B) Access Gates - Equipment	_____	_____	_____
(C) Light Duty Access Trails	_____	_____	_____
(a) All Weather Surface	_____	_____	_____
(b) Graded Surface	_____	_____	_____
(#) _____	_____	_____	_____
(D) Shoulder Widening/Turnouts**	_____	_____	_____
(a) Paved Surface	_____	_____	_____
(b) All Weather Surface	_____	_____	_____
(c) Graded Surface	_____	_____	_____
(E) Chain Link Fence (Type CL-6)	Yes___	400/(lf)	\$12,000
(F) Maintenance Vehicle Pullout	Yes___	2/(ea)	\$16,000
<b>COSTS SUBTOTAL</b>			<b><u>\$35,000</u></b>

<u>Vegetation Control Work</u>	<u>Yes/No</u>	<u>Quantity</u> <u>(unit)</u>	<u>*Cost</u>
(A) Vegetation control (shale) under Metal Beam Guard Rail	Yes___	1000/(cy)	\$60,000
(B) Vegetation control (shale) in median	Yes___	1200/(cy)	\$72,000

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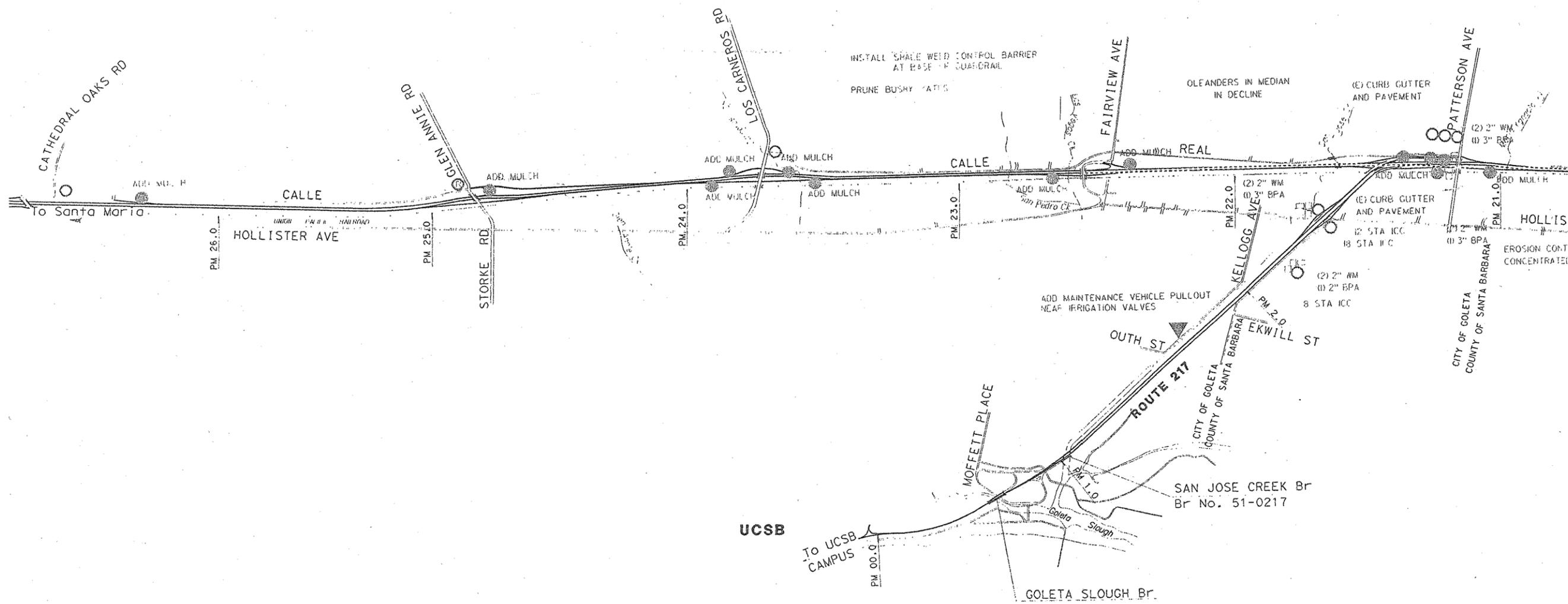
(C) Vegetation control slope paving	Yes___	8/(ea)	\$800,000
(D) Paving narrow areas	Yes___		
(E) Mulch	Yes___	2000/(cy)	\$120,000
(F) Prune existing plant material	Yes___	1/(ls)	\$20,000
<b>COST SUBTOTALS</b>			<b><u>\$1,072,000</u></b>

<u>Facility Relocation Work</u>	<u>Yes/No</u>	<u>Quantity</u> <u>(unit)</u>	<u>*Cost</u>
(A) Irrigation cabinet	Yes___	1/(ea)	\$10,000
(B) Irrigation equipment	Yes___	1/(ea)	\$15,000
(C) Base station support plan	Yes___	1/(ea)	\$20,000
(D) Program upgrade and computer	Yes___	1/(ea)	\$9,000
(E) 28 station central control unit	Yes___	1/(ea)	\$10,000
(F) Flow sensors	Yes___	2/(ea)	\$6,000
<b>COST SUBTOTALS</b>			<b><u>\$70,000</u></b>

<u>Additional Work</u>	<u>Yes/No</u>	<u>Quantity</u> <u>(unit)</u>	<u>*Cost</u>
(A) Traffic Control	Yes___	1/(ls)	\$85,000
(B) Earthwork***	___	___	___
(C) Roadside Clearing	Yes___	1/(ls)	\$50,000
(D) 6 Month Plant Establishment	Yes___	1/(ls)	\$20,000
(E) Drainage Adjustment and Rehabilitation#	Yes___	1/(ls)	\$25,000
(F) Railroad Agreements	No___	___	___
(G) Right of Way	Yes___	1/(ls)	10,000
(H) Environmental Mitigation	___	___	___
(I) Breakaway Signs in Gore Areas	Yes___	34/(ls)	\$20,400
(J) Vandal Deterrent Camera	Yes___	2/(ea)	\$18,000
(K) Water Pollution Control	Yes___	1/(ls)	\$20,000
(L) ADL Testing and Compliance	Yes___	1/(ls)	\$7,000
(M) ADL Mitigation	Yes___	1/(ls)	\$75,000
<b>COST SUBTOTALS</b>			<b><u>\$330,400</u></b>

**SUM OF SUBTOTALS** **\$1,507,400**  
**20% Contingency** **\$301,480**  
**TOTAL PROJECT COST** **\$1,808,880**

Note: \* If duplicated in other items, show cost in parenthesis.  
 \*\* Include cost of shoulder backing material, as needed.  
 \*\*\* Earthwork other than that required for grading turnouts or access trails.  
 \*\*\*\* Pavement work other than that required for the Access or Vegetation Control work.  
 # Add Additional lines as necessary. Do not include support costs.

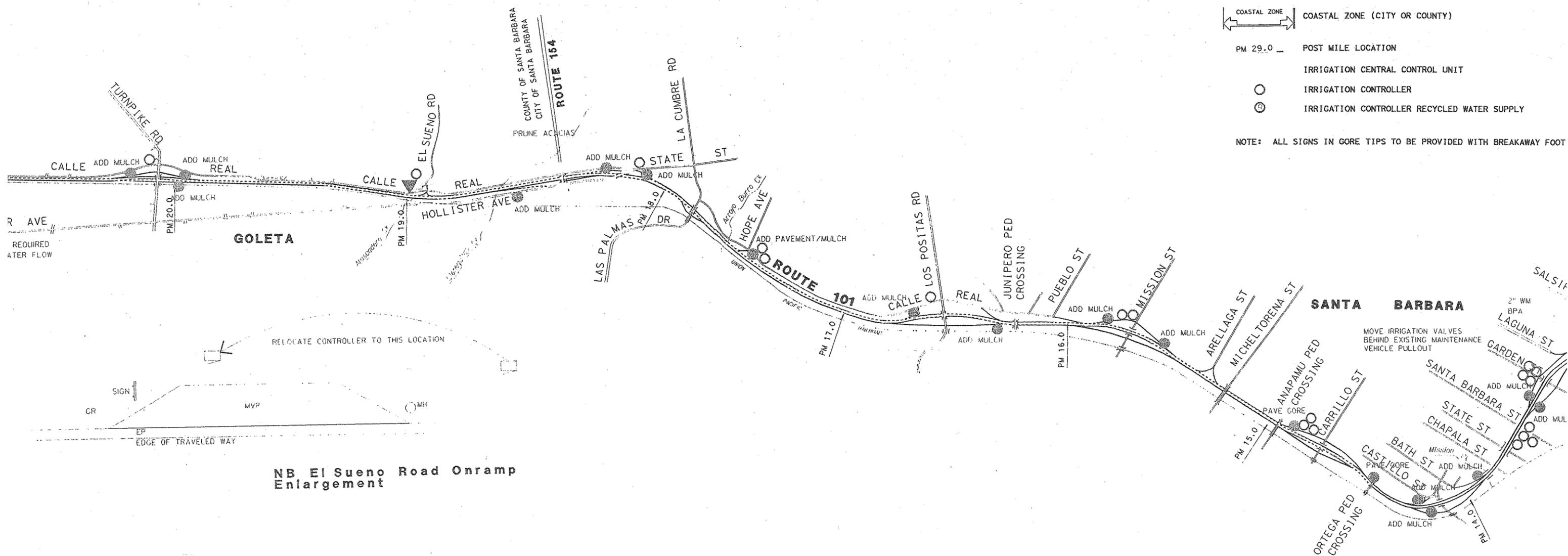


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**LEGEND**

- ▼ PROPOSED MAINTENANCE VEHICLE PULLOUT
- PROPOSED SLOPE PAVING
- PROPOSED BEYOND GORE MULCHING
- GROUND PLANE TREATMENT - MULCH AND/OR SHALE WEED CONTROL
- RELOCATE CABINETS
- ← COASTAL ZONE → COASTAL ZONE (CITY OR COUNTY)
- PM 29.0 \_ POST MILE LOCATION
- IRRIGATION CENTRAL CONTROL UNIT
- IRRIGATION CONTROLLER
- IRRIGATION CONTROLLER RECYCLED WATER SUPPLY

NOTE: ALL SIGNS IN GORE TIPS TO BE PROVIDED WITH BREAKAWAY FOOT



**NB El Sueno Road Onramp Enlargement**

