



# SHOPP Asset Management Pilot Request Form

SHOPPCPR: Ver 3 11/14  
 Submittal Date

Division of Transportation Programming  
 State Highway Operation and Protection Program (SHOPP)

Project Manager   
 Phone

Dist	County	Route	Prefix	PM	Prefix	PM	EA	PPNO	Project ID
11	San Diego	75		10		11.2	TBD	TBD	TBD

Includes Multiple Locations (Complete Page 2 of this Form)

MPO:

Project Location/Description (Include the nearest city, town or landmark)

In San Diego County, In Imperial Beach and Coronado on SR 75 From Georgia Street to Via Silver Strand Blvd.

Need for project and proposed improvements (Elaborate using PID language)

This pilot project will quantify the roadway rehabilitation, ADA pedestrian access, electrical improvements for the traffic signals, and storm-drain repairs. This project addresses and recommends installation of missing pedestrian median refuge areas in the medians at signalized intersection and recommends installation of the missing pedestrian signals and ADA required wheelchair ramps and to improve the equal access crossing in an effort to enhance the safety and mobility of public. It includes the upgrade/ installation of 78 ADA pedestrian ramps at various locations throughout the route (201.361). The roadway is scheduled to receive a complete surface grind with two tenths overlay of class-A rubberized AC with a 10 year life (201.120). The culvert survey has identified that fifty percent of the existing culverts have deteriorated to point that replacement is the only viable option and that an additional 6 inlets and 4 outfalls are in need of removal and replacement (201.151). Some traffic signals are outdated and pedestrian crossing signals need to be upgraded to meet ADA and MUTCD guidelines (201.315).

PA&ED / M200	<input type="text" value="03/01/2017"/>	RW Cert / M410	<input type="text" value="11/01/2018"/>	CCA / M600	<input type="text" value="12/01/2020"/>
PS&E / M380	<input type="text" value="09/01/2018"/>	RTL / M460	<input type="text" value="12/31/2018"/>	END Project / M800	<input type="text" value="06/01/2021"/>

Capital (\$1,000) (Escalated to FY of Programming)			Support (\$1,000)		Legislative District Numbers (Separate multiple Districts with a comma)		
	FY	Cost		FY	Cost		
R/W	2016/17	\$50	PA & ED	2016/17	\$350	State Assembly	<input type="text" value="78"/>
Construction	2018/19	\$7,235	PS & E	2016/17	\$500	State Senate	<input type="text" value="39"/>
			R/W	2016/17	\$20	Congressional	<input type="text" value="52"/>
	Total Capital	\$7,285	Construction	2018/19	\$1,800		
			Total Support		\$2,670		

Approved  Denied

CAPITAL CONSTRUCTION COST ESCALATION RATE

District SFP (Print)	<input type="text" value="JOE R. HULL"/>	District SFP (Sign)		Phone	<input type="text" value="(619) 688-3633"/>
District Director (Print)	<input type="text" value="LAURIE S. BERMAN"/>	District Director (Sign)		Phone	<input type="text" value="(619) 688-6668"/>
SHOPP Exec. (Print)	<input type="text"/>	SHOPP Exec. (Sign)	<input type="text"/>	Phone	<input type="text"/>

# SHOPP Asset Management Pilot Project Nomination



***Caltrans***

11-SD-75-10.0/11.2

Aug 7, 2015



## **Asset Management Pilot Project Nomination**

This pilot project proposes the use of asset management principles to address the overall transportation needs of a roadway repair project on State Route 75 in San Diego County from post-mile 10.0 to 11.2. This pilot project will quantify the roadway rehabilitation, ADA pedestrian access, electrical improvements for the traffic signals, and storm-drain repairs and the corresponding programming for each need. This pilot project is a partnership between Caltrans HQ SHOPP Programming and Caltrans District 11.

### **Project Background**

The project is located in the City of Imperial Beach and the improvement will be coordinated with the City to enhance common agency goals. SR 75 provides intraregional access between the cities of Imperial Beach, Coronado, and San Diego. SR-75 provides vehicular access to the Coronado peninsula by both the Silver Strand and the San Diego-Coronado Bay Bridge. The Route carries a large number of civilian and military commuters to the North Island Naval Air Station and the Naval Amphibious Base in Coronado. Most traffic movements in and around the area for visitors and residents go through this segment of the SR 75. Rehabilitating, repairing and modernizing this section of roadway is key and essential to making the future, enhancing the vitality of the community. The project includes storm drain repair/replacement. The roadway and drainage culverts have been surveyed as to their existing condition. The Caltrans culvert survey has identified the fifty percent of the existing culverts have deteriorated to point that replacement is the only viable option and that an additional 6 inlets and 4 outfalls are in need of removal and replacement. A study by a consultant representing the City of Imperial beach has also identified that these drainage facilities need repair

SR 75 is the main route connecting the City of San Diego to the City of Imperial Beach, the City of Coronado and the North Island Military base. The pavement condition survey finds that fifty percent of the existing roadway requires dig-out and rework, an additional twenty-five percent is rutting, cracking and potholed. The entire roadway is aged on schedule to receive a complete surface grind with two tenths overlay of wear-surface, and there are ADA ramps that are in need of upgrades and compliance with the ADA requirements. The pedestrian crossings are missing refuge areas in the medians and some pedestrian signal lights require upgrades to meet the ADA requirements. The City has been expressing concerns regarding the need for the improvements in the areas of roadway pavement, pedestrian and wheel chair movements and bicyclists, and the need for signal and pedestrian crossing, ADA ramps and drainage conditions.



### Individual Category Project Costs

SHOPP Program	Quantity	Capital Cost
.120 Pavement Overlay	50,000 SY	\$3,000,000
.151 Culvert	342 LF culverts	\$600,000
.315 Signal Improvement	6 signals	\$505,000
.361 ADA Ramps	78 ramps	\$2,730,000
.378 Sidewalk		\$400,000
<b>TOTAL</b>		<b>\$7,235,000</b>

### Sustainability, Livability and Economy

The segment of the SR 75 corridor within the city boundary has been identified as the “gateway” to the City of Imperial Beach as the main point of entry to its business centers and points of interest. The project includes the upgrade/ installation of 78 ADA pedestrian ramps at various locations throughout the route. Selection of the ramp locations was in accordance with the Department’s Design Information Bulletin (DIB) 82-05 Pedestrian Accessibility Guidelines for Highway Projects. Pavement rehabilitation would allow access for and encourage transit and non-motorized transportation. Some traffic signals are outdated and pedestrian crossing signals need to be upgraded to meet ADA and MUTCD guidelines. The road improvements would greatly enhance the travel conditions to the beach and the local businesses in the City of Imperial Beach. Traffic studies prepared by The City of Imperial Beach have shown that the pavement rehabilitation, signal modifications, improvements to traffic lanes and medians at pedestrian crossing intersections on this segment of the SR 75 will enhance the economy of the local region in the City of Imperial Beach, encourage more multi-modal trips and will sustain a better flow of vehicles and pedestrians.

The 2050 Regional Transportation Plan, SANDAG is preparing an “Urban Area Transit Strategy”. Under the guidance of Deputy Directive 64-R1, Caltrans develops integrated multimodal projects in balance with community goals, plans, and values. Addressing the safety and mobility needs of bicyclists, pedestrians, and transit users in all projects, regardless of funding, is implicit in these objectives. Bicycle, pedestrian, and transit travel is facilitated by creating “complete streets” beginning early in system planning and continuing through project delivery, maintenance, and operations. Transit options and safe pedestrian crossings are some examples of efforts to meet these goals, all of which is in concurrence with the City of Imperial Beach’s future improvement planning for many years as expressed in their master plan and circulation element. The segment of the SR 75 corridor within the city boundary has been identified as the “gateway” to the City of Imperial Beach as the main point of entry to its business centers and points of interest and is essential to making the future vitality for the community achievable. The intent of the improvements would be in part to improve the transportation facilities the quality of life and economic vitality for the community. Pedestrian friendly and safety enhancements are proposed to enhance connectivity for schools, residents and businesses and to implement transportation concepts from the complete streets planning philosophy. To accomplish this proposal is to create pedestrian refuge areas in the existing

median and at the corners where sidewalks would extend to the edge of the existing travel-way. Existing pedestrian crossing signals would be updated with current ADA accessible fixtures and technology. Contributing assets the appropriate SHOPP programs in relation to the type of improvement will enhance our ability to deliver projects efficiently and to revitalize the area in and surrounding the roadway will result in the great community and transportation enhancement. The roadway and drainage culverts have been surveyed as to their existing condition. Combining the Pavement rehabilitation, ADA ramp and signal upgrades and the storm water facilities on this route will results in approximate savings of \$2,000,000 compared to breaking down and scoping the project in the work categories separately. SR 75 will experience increased traffic from regional growth.

### **Funding Plan**

#### **Combined Categories Project Costs (as one project)**

<b>Component</b>	<b>Estimated Cost</b>
PA&ED	\$350,000
PS&E	\$500,000
Right of Way Support	\$ 20,000
Right of Way Capital	\$ 50,000
Construction Support	\$1,800,000
Construction Capital	\$7,235,000
<b>Total Project Cost</b>	<b>\$9,955,000</b>

Above comparisons show that it will be more cost effectively to combine all categories of the improvements in one project instead of separate projects by categories.

### **Project Schedule**

<b>Project Milestones</b>		<b>Schedule Delivery Date (Month/Day/Year)</b>
PA & ED	M200	March 1, 2017
Project PS&E	M380	September 1, 2018
R/W Cert	M410	November 1, 2018
Ready to List	M460	December 31, 2018
Award	M495	June 30, 2019
Begin Construction	M500	August 1, 2019
Contract Acceptance	M600	December 1, 2020
End Project	M800	June 1, 2021

### **System Performance**

Providing/upgrading ADA complaint pedestrian signal and ramps and the median refuge areas would decrease travel would improve the system reliability and performance. Using the concept of fix it first, culvert repair will preserve the existing system and expand the entire drainage system's life.

### **Recommendation**

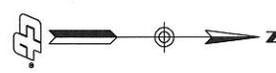
The forgoing project nomination submittal is recommended by District 11 executive management to be selected to program \$7,323,000 in the 2018 SHOPP.

### **Exhibits**

- |           |                                      |
|-----------|--------------------------------------|
| Exhibit 1 | Location Map                         |
| Exhibit 2 | Typical Cross Sections (Pages 1 & 2) |
| Exhibit 3 | Layouts                              |
| Exhibit 4 | Damaged Culvert Picture              |

STATE OF CALIFORNIA  
**DEPARTMENT OF TRANSPORTATION**  
**RELINQUISHMENT ON**  
**STATE HIGHWAY**

IN SAN DIEGO COUNTY IN THE CITY OF IMPERIAL BEACH  
 FROM 14TH STREET TO CHERRY AVE.



CITY OF SAN DIEGO  
 CITY OF IMPERIAL BEACH

CITY OF SAN DIEGO

CITY OF IMPERIAL BEACH

To I - 5

**BEGIN RELINQUISHMENT**  
**CITY LIMIT PM 10.0**

CITY OF SAN DIEGO

CITY OF IMPERIAL BEACH

CITY OF IMPERIAL BEACH

CITY OF IMPERIAL BEACH

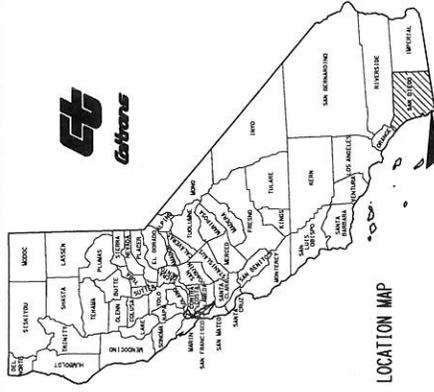
CITY OF CORONADO

**END RELINQUISHMENT**  
**CITY LIMIT PM 11.2**

**FOR PRELIMINARY STUDIES ONLY**

**EXHIBIT 1**

DIST	COUNTY	ROUTE	MILES FROM PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	75	10.0 / 11.2	1	1



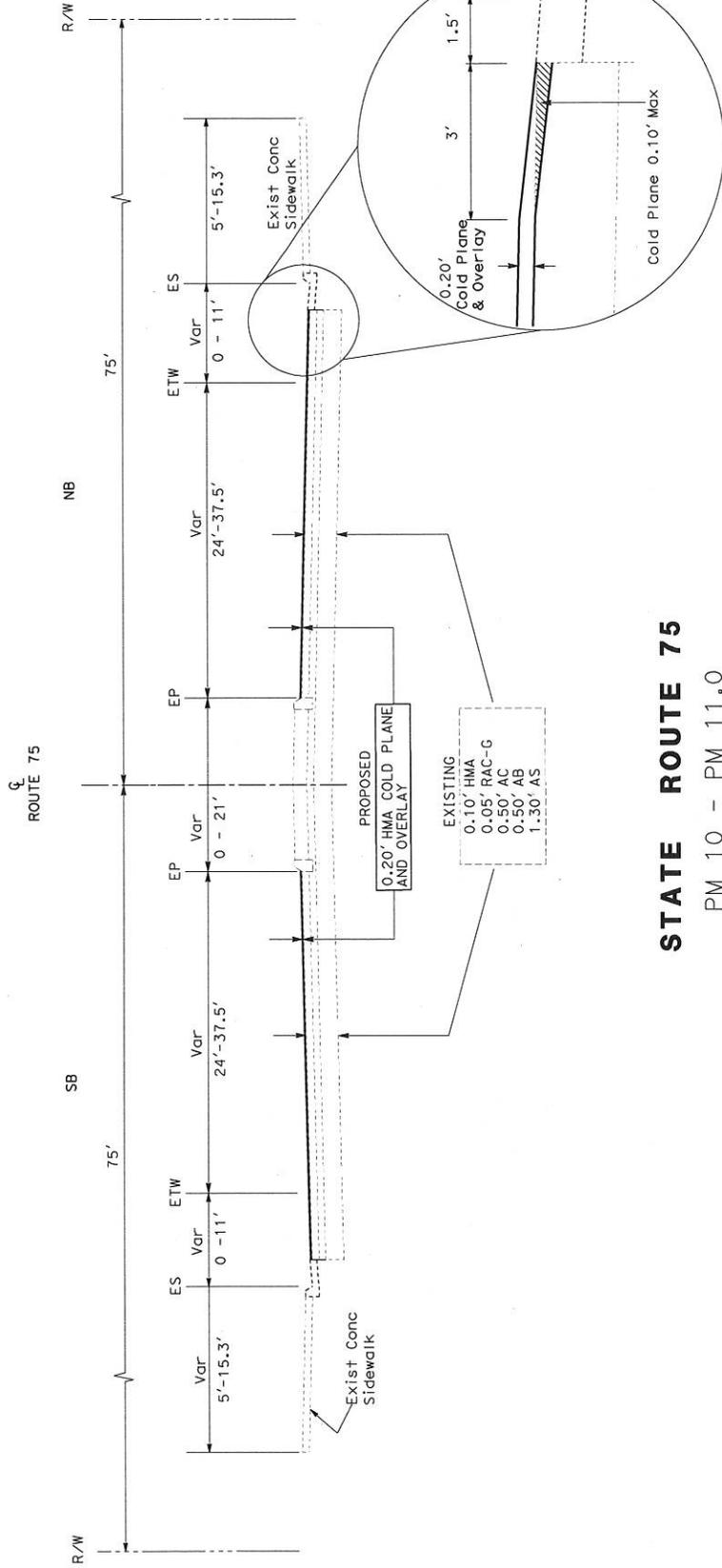
The State of California or its officers or agents shall not be responsible

PROJECT ENGINEER	DATE	PROJECT MANAGER	DATE
A. TARANTINO		CHI YANAB	

NO SCALE

Project ID	0000000000
Contract No.	000000

11/1/97



**STATE ROUTE 75**

PM 10 - PM 11.0

Cold Plane and Overlay Detail

**LEGEND**

- ▨ TRANSITION COLD PLANE
- AC OVERLAY

**TYPICAL CROSS SECTION**

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**DISTRICT 11**  
OFFICE OF  
ADVANCED PLANNING



**SR 75**

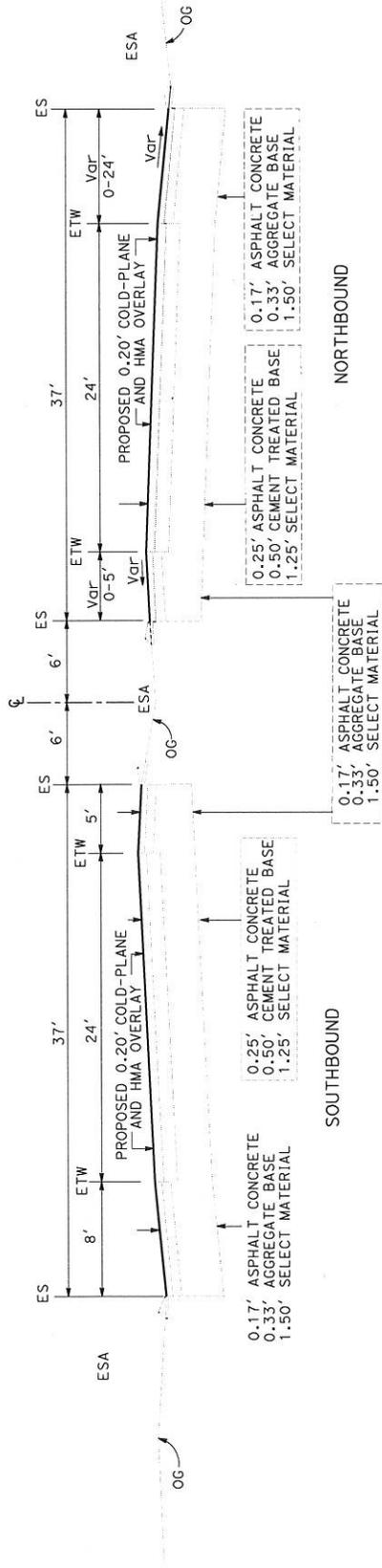
FOR PRELIMINARY STUDY ONLY

NO SCALE

**EXHIBIT 2**  
**1 of 2**

ALL DIMENSIONS ARE IN FEET

CALCULATED- | USER: RMN | PROJECT: SR75 | DATE: 8/19/11 | FILE: SR75\_TypicalCrossSection.dwg



**STATE ROUTE 75**

PM 11.00 TO 11.20

**LEGEND**  
  
 TRANSITION COLD PLANE  
 AC OVERLAY

**TYPICAL CROSS SECTION**

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

**STATE OF CALIFORNIA**  
**DEPARTMENT OF TRANSPORTATION**  
**DISTRICT 11**  
**OFFICE OF**  
**ADVANCED PLANNING**

**SR 75**

FOR PRELIMINARY STUDY ONLY

NO SCALE

EFIS NUMBER:

8119811  
 USERNAME => DRN FTIF =>  
 3 2 1

OMAR RENNEYK

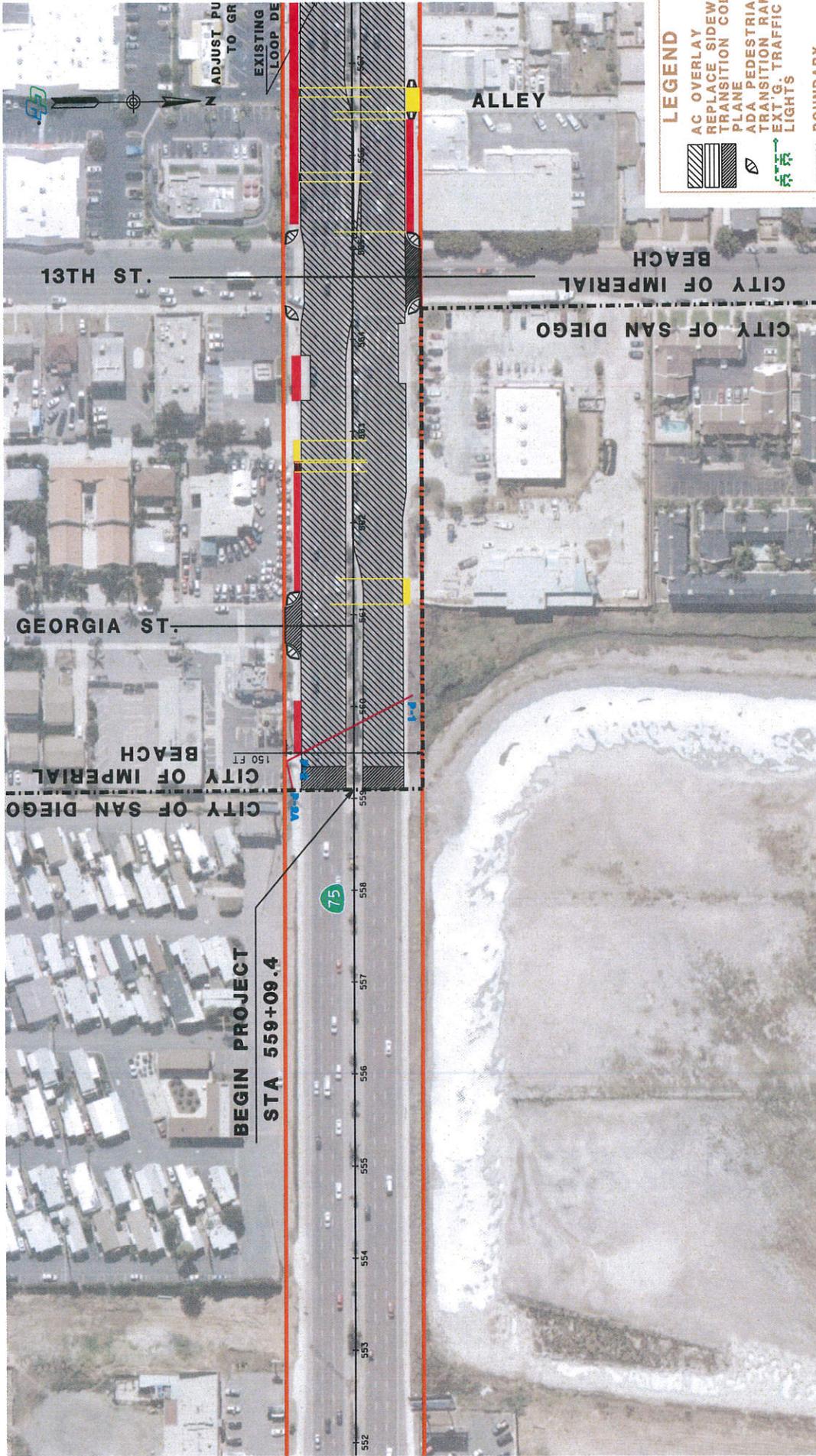
CALCULATED-

RELATIVE BORDER SCALE 0

**EXHIBIT 2**  
**2 of 2**

ALL DIMENSIONS ARE IN FEET





**EXHIBIT 3**  
**1 OF 5**

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

SCALE: 1:100

SR 75

FOR PRELIMINARY STUDY ONLY

EFIS NUMBER: \_\_\_\_\_

USER NAME: \_\_\_\_\_

DCN FILE: \_\_\_\_\_

DATE PLOTTED: \_\_\_\_\_

RELATIVE PLOTTING SCALE: \_\_\_\_\_

IN: INCHES

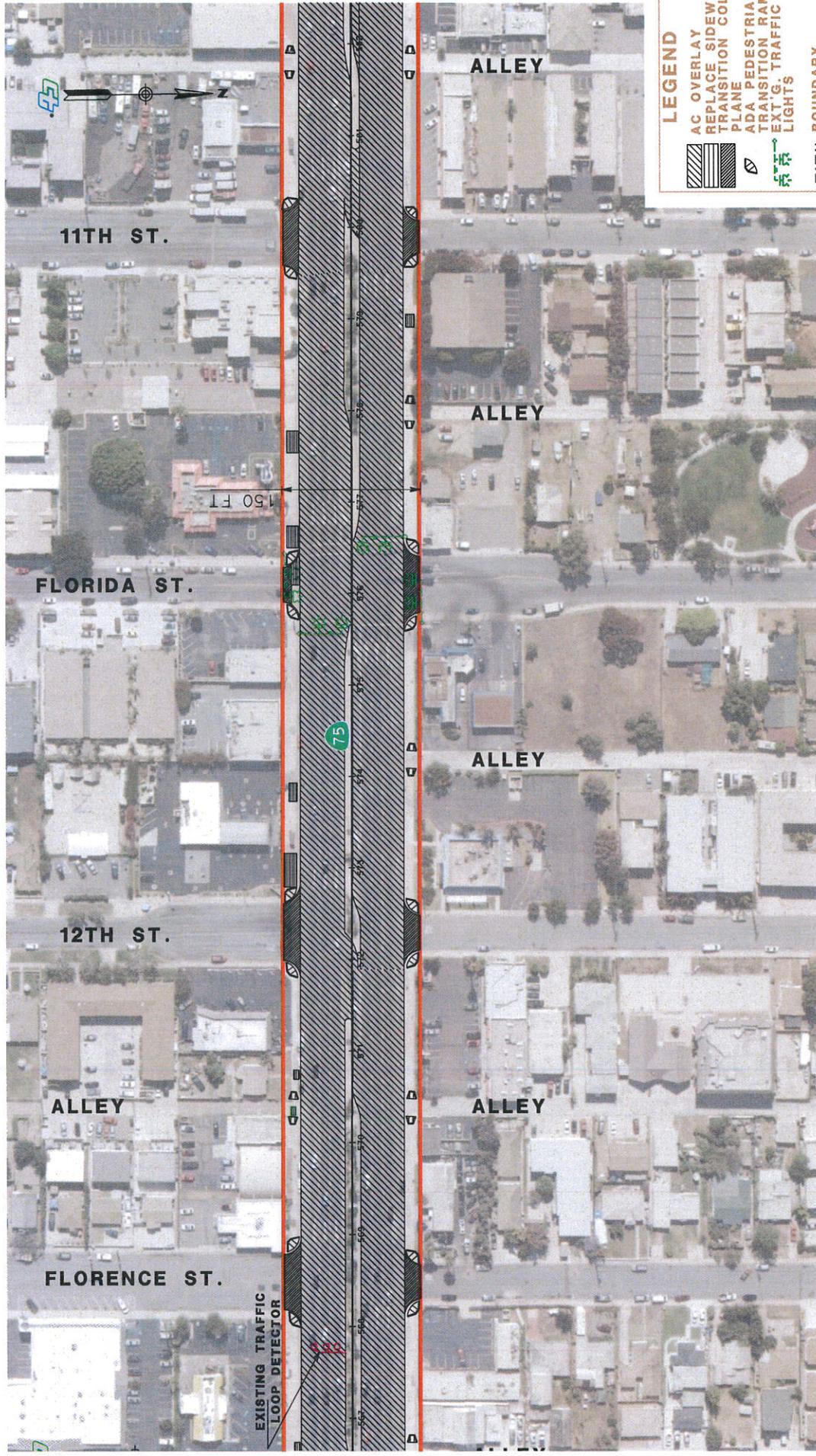
Calculator: \_\_\_\_\_

Assigned By: \_\_\_\_\_

Author: Groder1

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**DISTRICT 11**  
 OFFICE OF  
 ADVANCED PLANNING





**LEGEND**

- AC OVERLAY
- REPLACE SIDEWALK
- TRANSITION COLD PLANE
- ADA PEDESTRIAN RAMP
- EXIST'G. TRAFFIC LIGHTS
- BOUNDARY
- EXISTING ROW

SCALE: 1:100

SR 75

FOR PRELIMINARY STUDY ONLY

EXHIBIT 3

2 OF 5

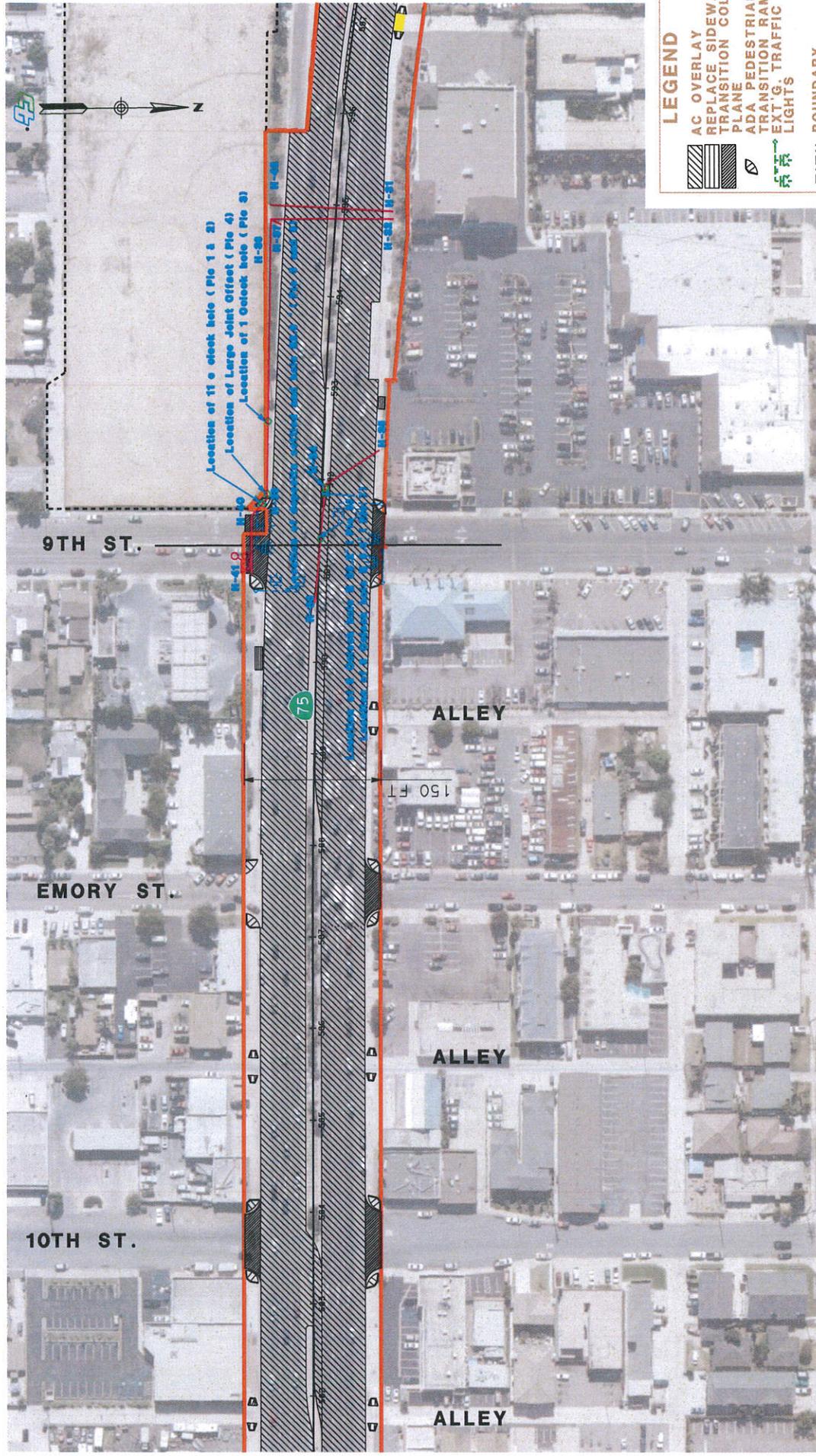
ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

DATE PLOTTED: 8/23/2015  
 USERNAME: S:\2015\SR75\2-150-AUG-2015  
 DATE PLOTTED: 8/23/2015

DESIGNED BY: Naser Groder?

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
 DISTRICT 11  
 OFFICE OF  
 ADVANCED PLANNING





**LEGEND**

-  AC OVERLAY
-  REPLACE SIDEWALK
-  TRANSITION COLD PLANE
-  ADA PEDESTRIAN RAMP
-  EXT'G. TRAFFIC LIGHTS
-  BOUNDARY
-  EXISTING ROW

SCALE: 1"=100'

SR 75  
FOR PRELIMINARY STUDY ONLY

EXHIBIT 3  
3 OF 5

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
DISTRICT 11  
OFFICE OF  
ADVANCED PLANNING

USER: NAME →  
DATE FILED →  
DATE REVISION →

EPIS NUMBER: 11291.02  
SHEET 3 OF 5  
DATE REVISION →

RELATIVE DIMENSION SCALE  
1" = 100' FEET

NOSE: Grodder



ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN







EXAMPLE OF CULVERT DAMAGE ON STATE ROUTE 75 IN IMPERIAL BEACH