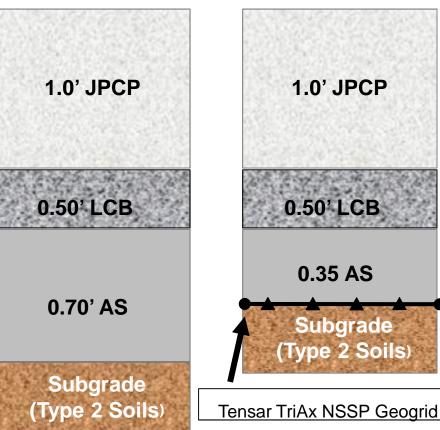
PROJECT PROFILE



Non-Stabilized Section



TriAx Geogrid NSSP

Enhanced Section

State Route 60, Mainline

PROJECT NAME

Contract No. 07-286904 Construction of State Highway From Rte. 605 Separation to 57/60 Separation

PRODUCT

TriAx[®] Geogrid Non-Standard Special Provision (NSSP)

QUANTI TY 130,000 square yards

OWNER Caltrans

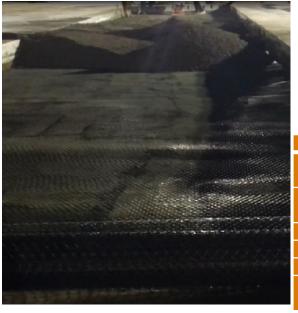
CONTRACTOR Flat Iron Construction

INSTALLATION DATE 2012

PROJECT DETAILS

Project challenges consisted of:

- Short Working Windows from 10PM TO 4AM
 - Minimal working space



In accordance with FHWA Giroud Han analysis, 0.35 ft. AS placed on TriAx NSSP Geogrid Type 1 is equivalent in performance to 1.30 ft. AS without geogrid. This exceeds the performance of the typical 0.70 ft. AS requirement.

Additionally, the TriAx enhanced design created a sustainable project meeting several of the goals in the Caltrans sustainability policy DP-33 such as Planet, Prosperity, and Innovation. Below is the Construction, Operation, and Maintenance Estimated Enhancement Summary:

Description	Units	Savings		
Aggregate Base Import	Tons	120,000		
Excavation Export	Cubic Yards	65,000		
Truck Loads	Number	11,500		
Water	Gallons	2,000,000		
Fuel	Gallons	92,000		
Carbon Output Emissions	Tonnes of CO ₂	250		

SPECTRA_PP_CA_AGOURA HILLS_06.16

PROJECT PROFILE



Description

Reconstruction of State Highway From Rte. 605 Separation to 57/60 Separation

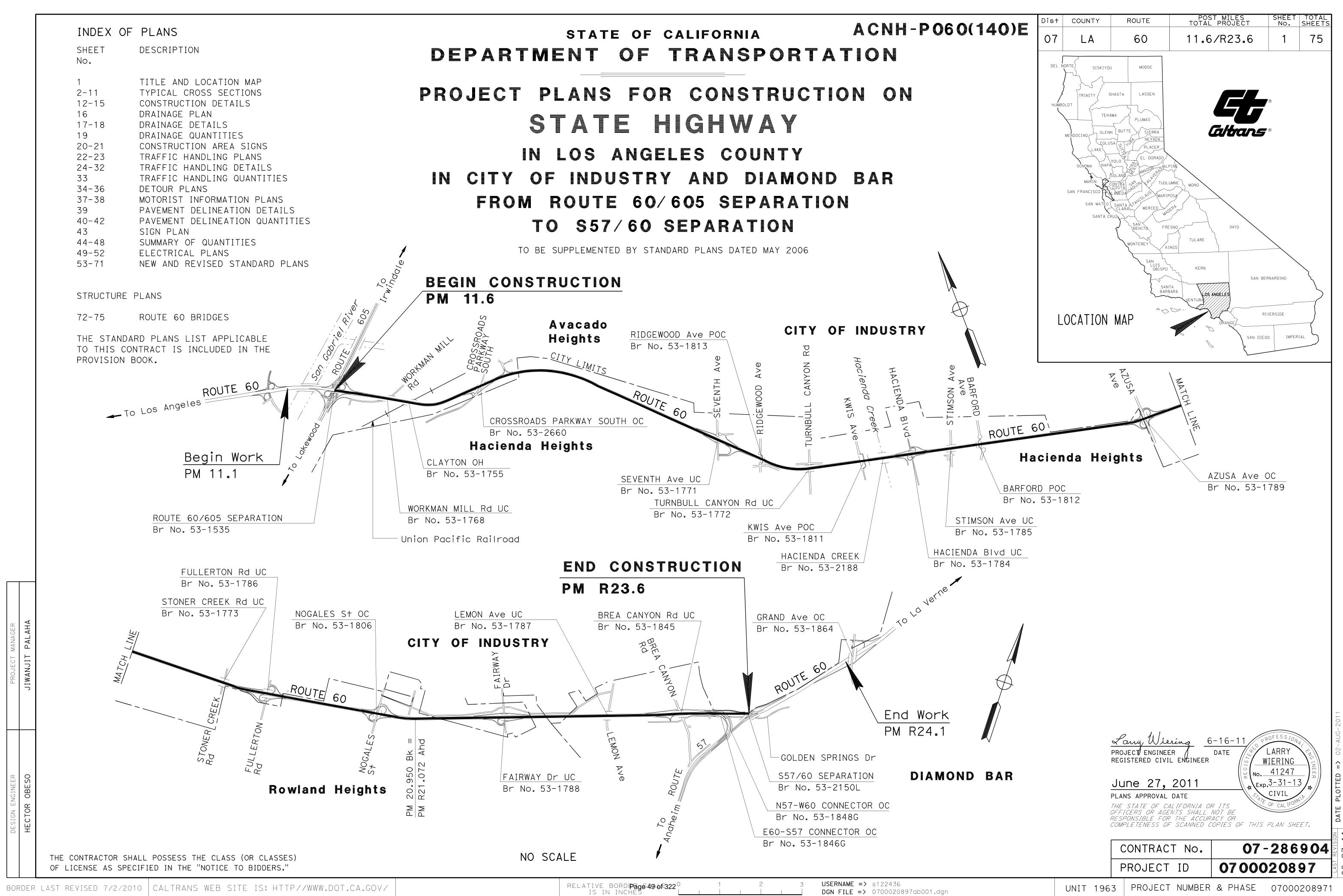


RESEARCH

A control section (0.70 ft. AS without geogrid) was constructed as part of the construction of the pavement section. Tensar contracted with Applied Research Associates in 2016 to perform a pavement condition survey. The survey indicated that the TriAx NSSP Geogrid sections are performing as well or better than the control section with good Pavement Condition Index (PCI) ratings and International Roughness Index (IRI) values 50% better than the control section.



Tensar International Corporation 2500 Northwinds Parkway Suite 500 Alpharetta, GA 30009 TensarCorp.com 800-TENSAR-1



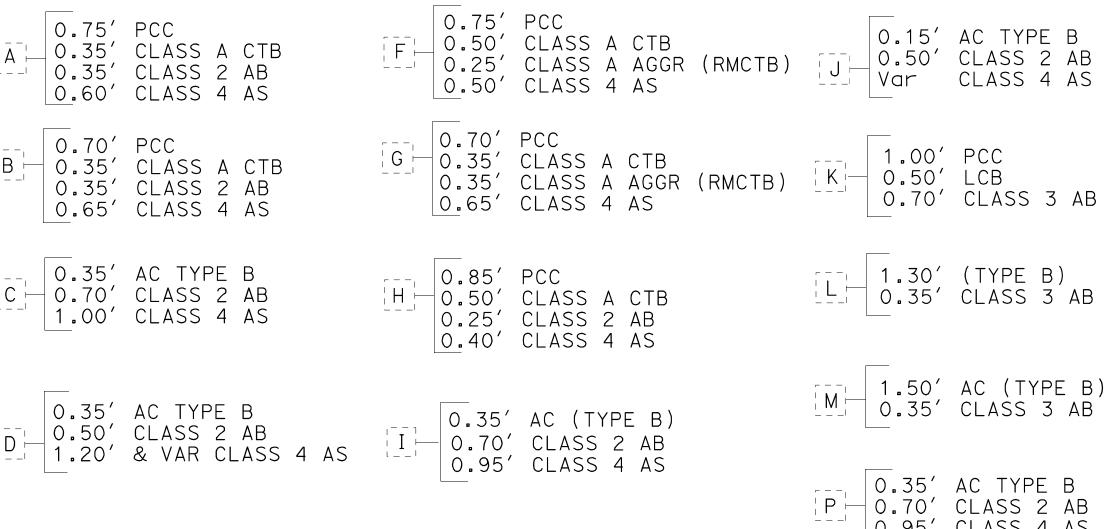
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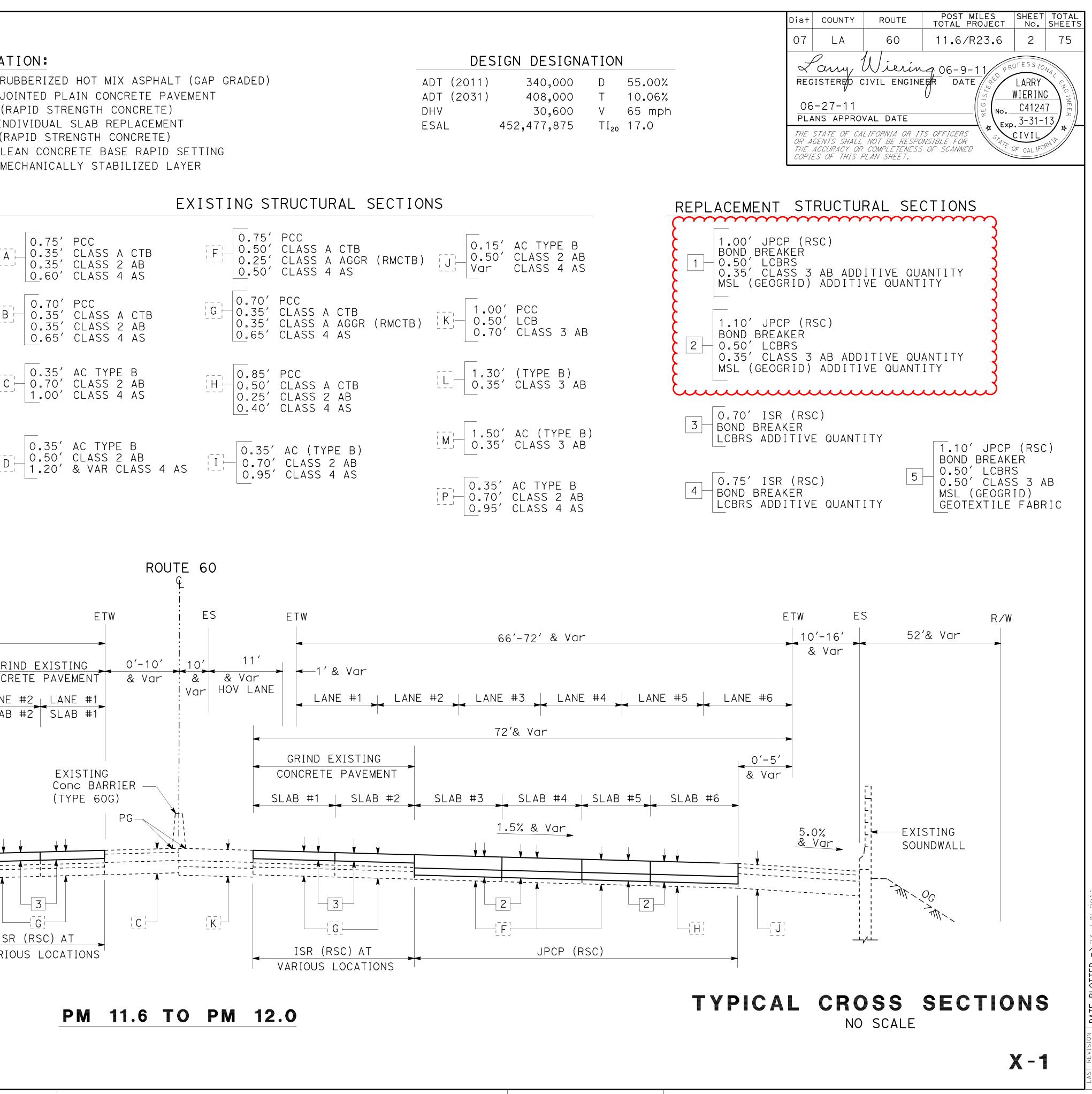
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×			 NOTES: 1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS. 2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER. 3. FOR RIGHT-OF-WAY AND ACCESS DATA, CONTACT 	ABBREVIAT RHMA-G RU JPCP (RSC) JC (R ISR (RSC) INI (R LCBRS LE MSL ME
	REVISED BY	DATE REVISED	RIGHT-OF-WAY ENGINEERING AT THE DISTRICT OFFICE. 4. EXISTING DRAINAGE INLETS HAVE NOT BEEN PLOTTED ON THESE PLANS. 5. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.	
x	VINCENT PANG	LARRY WIERING	 6. SEE SUMMARY OF QUANTITIES SHEETS FOR LOCATIONS AND QUANTITIES OF REPLACE CONCRETE PAVEMENT (RSC). EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER. 7. OMIT GRINDING ON AC PAVEMENT, BRIDGE DECKS, AND APPROACH AND DEPARTURE SLABS. 	
×	CALCULATED- DESIGNED BY	CHECKED BY		
	FUNCTIONAL SUPERVISOR	HECTOR OBESO	R/W ES ETW Var Var 38' 82'-95' 8'-10' CONNECTOR TO ROUTE 605 LANE #5 LANE #4 SLAB #5 SLAB #4	
×	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Ge Cottane Maintenance Engineering	EXISTING MBGR & 5.0% AC DIKE	1.5% & Var

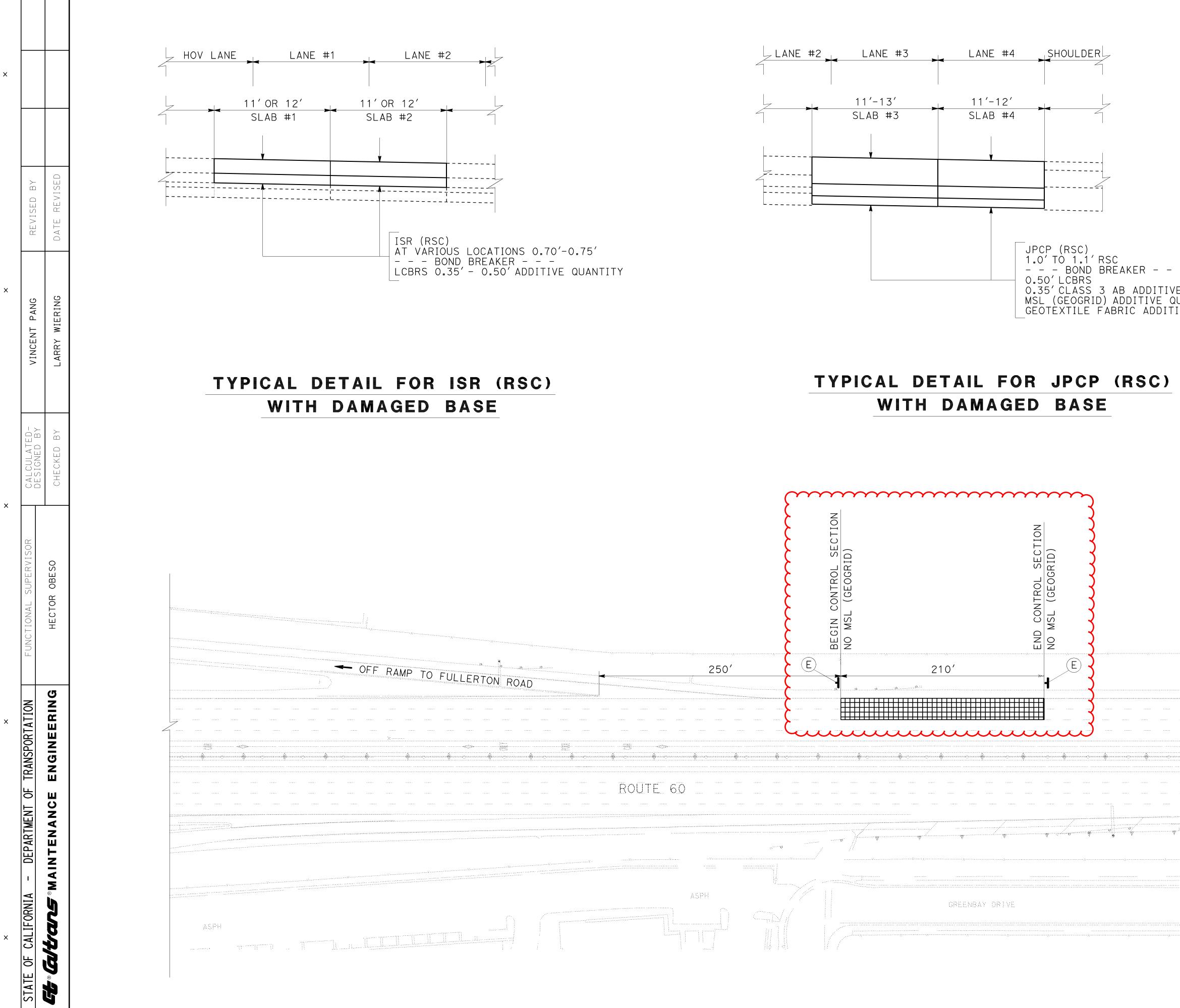
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JBBER	IZED	НС

ADT (2011)	340,000	D	55.0
ADT (2031)	408,000	Т	10.0
DHV	30,600	V	65 n
ESAL	452,477,875	ΤΙ ₂₀	17.0



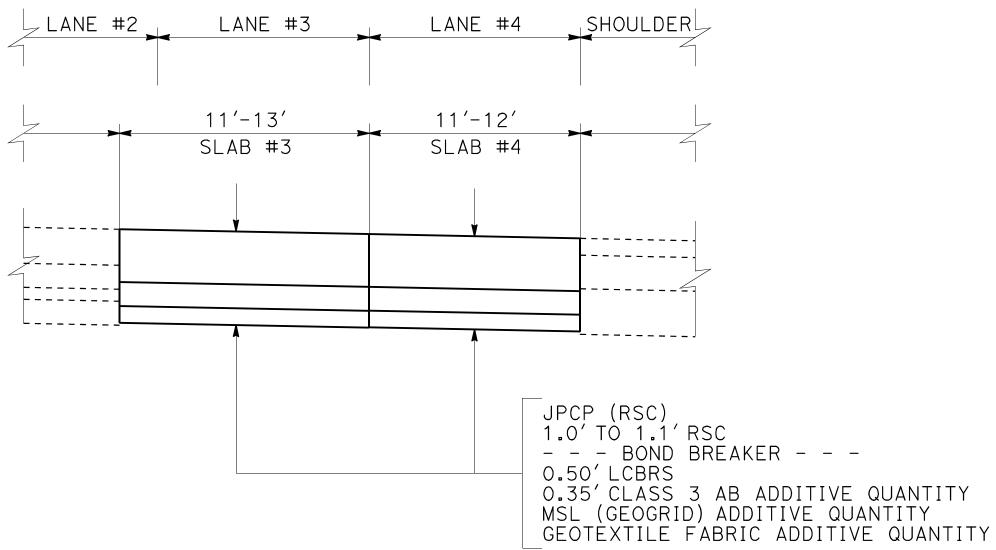


	RELATIVE BORDER SCALE IS IN INCHES	Page 50 of 322	1	2	3	UNIT 19	963
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BORDER LAST REVISED 7/2/2010

USERNAME => s122436 DGN FILE => 0700020897ga002.dgn



RELATIVE BORDER SCALE	Page 51 of 322	1	2	3	UNIT	1963
IS IN INCHES						1305

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	60	11.6/R23.6	13	75
06 PLA THE OR A THE	V -27-11 NS APPRO STATE OF CA GENTS SHALL	VAL DATE VAL DATE LIFORNIA OR IT NOT BE RESPO COMPLETENESS		LARRY WIERING C4124 C4124 C4124 C4124 C4124 C4124 C4124 C4124 C4124	CG 7 13 ₩ CM CM CM CM CM CM CM CM CM CM

NOTES:

- 1. EXACT LIMITS OF CONTROL SECTION WILL BE DETERMINED BY THE ENGINEER.
- 2. SEE TYPICAL CROSS SECTIONS SHEET X-8 FOR STRUCTURAL SECTION.
- 3. SEE SIGN PLAN SHEET S-1 FOR HIGHWAY CONTROL SECTION MARKER (SIGN NO. E).





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