DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 1, 2002
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Theresa A. Gabriel
No. E15129
Exp. 6-30-04
ELECTRICAL
STATE OF CALIFORNIA

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CONDUIT

PROPOSED	EXISTING	
		Conduit-Lighting, unless otherwise indicated or noted
		Traffic signal conduit
C	c	Communication conduit
S	s	Sprinkler control conduit
T	t	Telephone conduit
F	f	Fire alarm conduit
		Conduit termination (Detail C, ES-9A in structures)
R		Conduit riser in structure

SERVICE EQUIPMENT

PROPOSED	EXISTING	
OH	oh	Overhead lines
U	U	Wood pole "U" indicates utility owned
		Pole guy-with anchor
		Pad mount for ground - Mounted utility transformer
III		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
T	t	Telephone demarcation cabinet

POLE-MOUNTED SERVICE DESIGNATION

Type of installation

TYPE K - 8.8 m (29') ← Pole height above grade

ILLUMINATED OVERHEAD SIGN STRUCTURES

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with roadway electrolier attached

SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face, 3-Section: 200 mm (8") red, yellow and green sections. 300 mm (12") sections for SMA mounted.
		Vehicle signal face with angle visor
PV		Modifications of basic symbols: "L" indicates all non-arrow sections louvered "LG" indicates louvered green section only "PV" indicates 300 mm (12") programmed visibility sections "300" (12") indicates all 300 mm (12") sections
		Vehicle signal face with backplate
		Vehicle signal face with 300 mm (12") red, yellow and green left arrow sections
		Vehicle signal face with 300 mm (12") red and yellow sections and 300 mm (12") up green arrow
		Vehicle signal face (5-Section) with 300 mm (12") yellow and green right arrows and 200 mm (8") red, yellow and green sections
		Type 1 Standard and attached signals
		Standard with signal mast arm only and attached signals
		Type 33 Standard, Left-turn signal and sign
		Standard with luminaire and signal mast arms and attached signals
		Cantilever flashing beacons Type 9 Frame, unless otherwise specified or indicated
R	Y	Flashing beacon. One signal section with 300 mm (12") lens, backplate and visor. "R" indicates red lens, "Y" indicated yellow lens.
		Controller assembly. Door indicates front of cabinet
		Guard post
		Type 1 Standard-"Meter On" sign

MISCELLANEOUS EQUIPMENT

PROPOSED	EXISTING	
CMS	cms	Changeable message sign
		Closed circuit television
		Highway advisory radio

PULL BOXES

PROPOSED	EXISTING	
		Pull box-No. 5 unless otherwise indicated or noted as below.
3	9A(21)	Pull box-Additional designations or descriptions

3 = No. 3½ pull box
5 = No. 5 pull box
6 = No. 6 pull box
7 = No. 7 (Ceiling pull box)
8 = No. 8 (Pendant soffit pull box)
9 = No. 9 pull box
9A = No. 9A pull box

(C) = Communications pull box
(E) = Pull box with extension
(S) = Sprinkler control pull box
(21) = Anchor bolts and conduit for future installation of Type 21 Standard
(T) = Traffic pull box

VEHICLE DETECTORS

5 J 9 U

- Vechicle detector designation
- U = Upper
- L = Upper
- Slot number in input file
- Input file (I or J)
- Phase

PROPOSED	EXISTING	
		Inductive loop detector. Outline and location of sawcut shown. (Type A loop illustrated)
		Magnetometer detectors
		Magnetic detector
DH	dh	Detector handhole Type A unless otherwise specified

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS SYMBOLS AND ABBREVIATIONS

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses (). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

ES-1B

2002 DUAL UNITS STD PLAN ES-1B