

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Stantec ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR
 CALCULATED-DRAWN BY
 CHECKED BY
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED ELECTRICAL ENGINEER	DATE
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
No. _____
Exp. _____
ELECTRICAL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

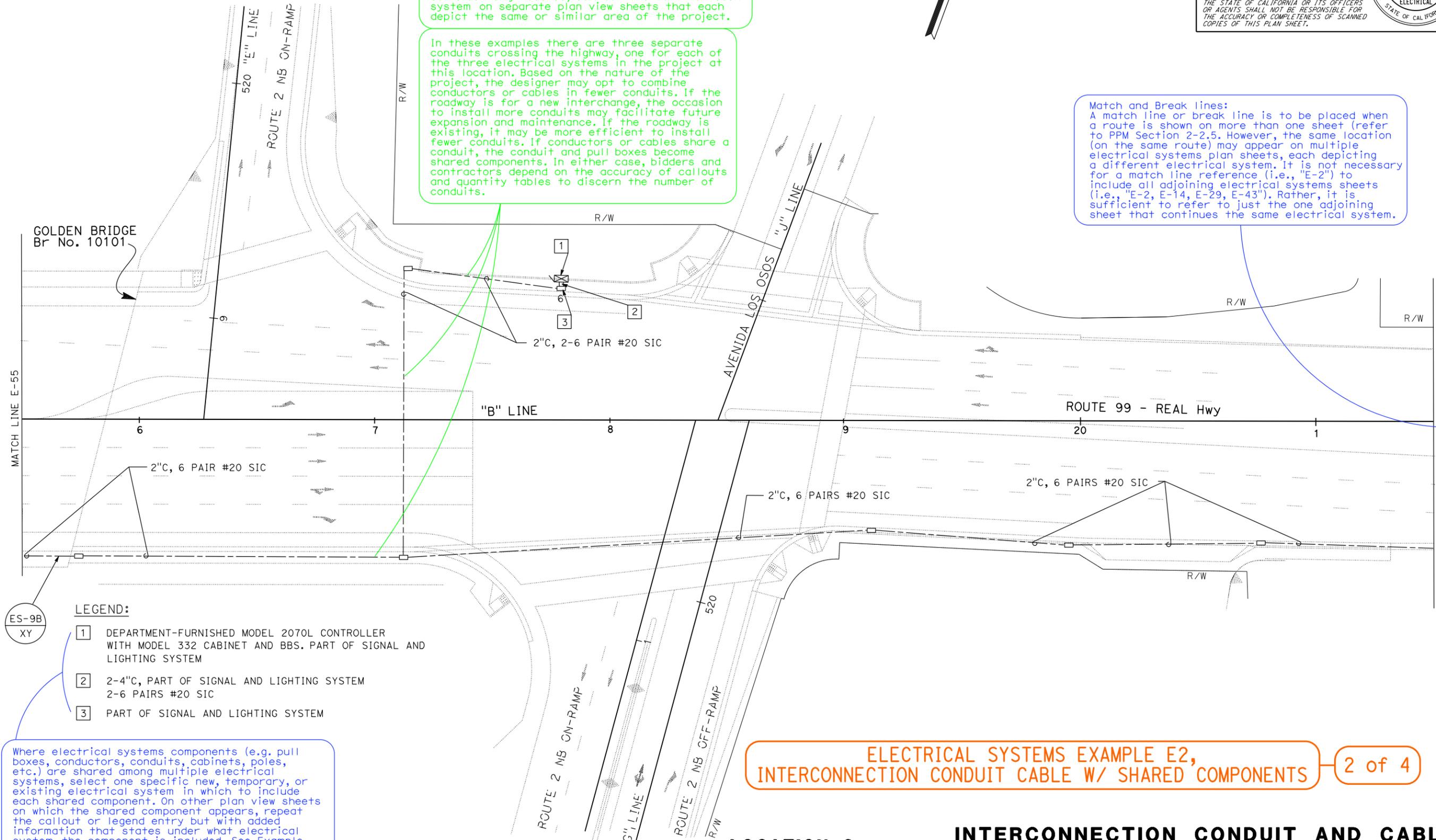
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

This is one of four example plan sheets that depict construction of three new electrical systems at the same location.

Call out work for only one electrical system or service (irrigation/booster pump) on each plan view sheet. If multiple electrical systems are coincidentally located, call out the work for each system on separate plan view sheets that each depict the same or similar area of the project.

In these examples there are three separate conduits crossing the highway, one for each of the three electrical systems in the project at this location. Based on the nature of the project, the designer may opt to combine conductors or cables in fewer conduits. If the roadway is for a new interchange, the occasion to install more conduits may facilitate future expansion and maintenance. If the roadway is existing, it may be more efficient to install fewer conduits. If conductors or cables share a conduit, the conduit and pull boxes become shared components. In either case, bidders and contractors depend on the accuracy of callouts and quantity tables to discern the number of conduits.

Match and Break lines:
 A match line or break line is to be placed when a route is shown on more than one sheet (refer to PPM Section 2-2.5. However, the same location (on the same route) may appear on multiple electrical systems plan sheets, each depicting a different electrical system. It is not necessary for a match line reference (i.e., "E-2") to include all adjoining electrical systems sheets (i.e., "E-2, E-14, E-29, E-43"). Rather, it is sufficient to refer to just the one adjoining sheet that continues the same electrical system.



- LEGEND:**
- 1 DEPARTMENT-FURNISHED MODEL 2070L CONTROLLER WITH MODEL 332 CABINET AND BBS. PART OF SIGNAL AND LIGHTING SYSTEM
 - 2 2-4"C, PART OF SIGNAL AND LIGHTING SYSTEM
2-6 PAIRS #20 SIC
 - 3 PART OF SIGNAL AND LIGHTING SYSTEM

Where electrical systems components (e.g. pull boxes, conductors, conduits, cabinets, poles, etc.) are shared among multiple electrical systems, select one specific new, temporary, or existing electrical system in which to include each shared component. On other plan view sheets on which the shared component appears, repeat the callout or legend entry but with added information that states under what electrical system the component is included. See Example E3 for the work that includes this callout.

ELECTRICAL SYSTEMS EXAMPLE E2, INTERCONNECTION CONDUIT CABLE W/ SHARED COMPONENTS 2 of 4

LOCATION 2
INTERCONNECTION CONDUIT AND CABLE
SCALE: 1" = 20'
E-56