

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

REGISTERED ELECTRICAL ENGINEER DATE _____

PLANS APPROVAL DATE _____

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.



NOTES:

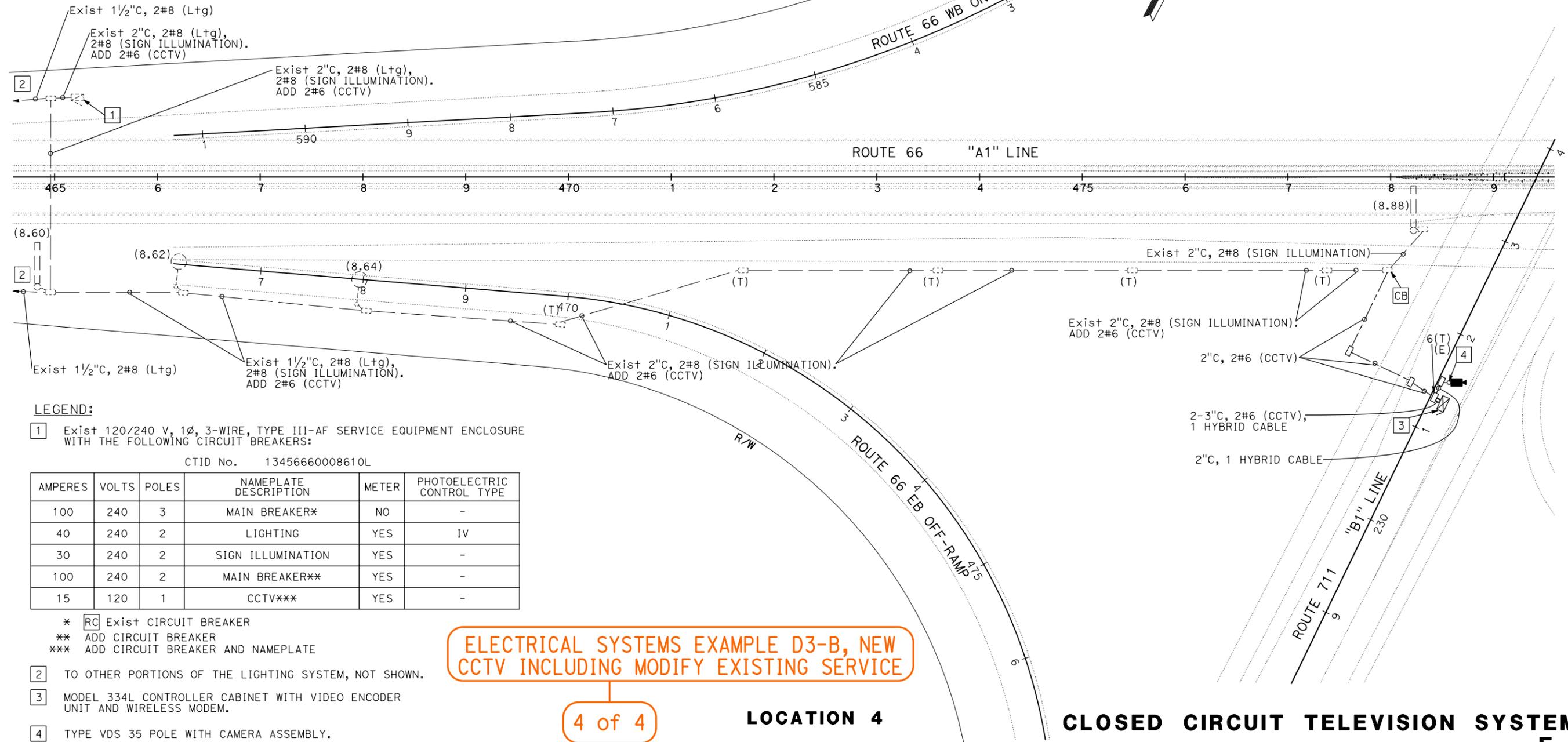
- ALL PULL BOXES MUST BE No. 5(T)(E) UNLESS OTHERWISE SHOWN.
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

This is one of four examples depicting a proposed CCTV system in the same location with varying existing conditions.

In this scenario, there are existing lighting and sign illumination systems with a service. The service and some of the conduit and pull boxes will become components shared with the new CCTV system. The existing service is not metered (flat rate billing), and is being modified to add metering. In this case, if the non-standard specifications for CCTV support the service modification work, and the quantity table for CCTV includes materials for the service modification work, then the CCTV system can be included in the non-standard bid item Closed Circuit Television System.

In this case, the value of the service modification must be a small fraction of the value of the new system and must be incidental to construction of the new system. The narrative of Section 2-2.23 specifically prohibits creation of a non-standard bid item for the purpose of combining multiple new electrical systems.

Closed Circuit Television is an example of an electrical system not listed in the 2015 standard bid item list. For each electrical system not listed in the current bid item list, create a nonstandard bid item with supporting specifications. Do not create a nonstandard bid item to combine multiple new electrical systems. The same requirements for standard bid items apply to nonstandard bid items.



LEGEND:

- 1 Exist 120/240 V, 1Ø, 3-WIRE, TYPE III-AF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

CTID No. 13456660008610L

AMPERES	VOLTS	POLES	NAMEPLATE DESCRIPTION	METER	PHOTOELECTRIC CONTROL TYPE
100	240	3	MAIN BREAKER*	NO	-
40	240	2	LIGHTING	YES	IV
30	240	2	SIGN ILLUMINATION	YES	-
100	240	2	MAIN BREAKER**	YES	-
15	120	1	CCTV***	YES	-

- * RC Exist CIRCUIT BREAKER
- ** ADD CIRCUIT BREAKER
- *** ADD CIRCUIT BREAKER AND NAMEPLATE

- 2 TO OTHER PORTIONS OF THE LIGHTING SYSTEM, NOT SHOWN.
- 3 MODEL 334L CONTROLLER CABINET WITH VIDEO ENCODER UNIT AND WIRELESS MODEM.
- 4 TYPE VDS 35 POLE WITH CAMERA ASSEMBLY.

ELECTRICAL SYSTEMS EXAMPLE D3-B, NEW CCTV INCLUDING MODIFY EXISTING SERVICE

4 of 4

LOCATION 4

CLOSED CIRCUIT TELEVISION SYSTEM E-1

APPROVED FOR ELECTRICAL WORK ONLY

SCALE: 1" = 50'

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