

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

REGISTERED CIVIL 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.

GENERIC SUMMARY OF QUANTITIES SHEET RELEASED 5 / 4 / 2012

THE SUMMARY OF QUANTITIES HAS TWO MAIN FUNCTIONS:

- Summarizes items that are generally shown on the Layout sheets or Construction Detail sheets.
- Summarizes totals from some of the various other quantity sheets.

GENERAL INSTRUCTIONS:

- As much as possible group similar type items together. Items included on the Summary of Quantities sheets are usually grouped by the type of work or the location of work.
- If the same bid item is shown on different types of plan sheets (i.e. Layouts, Drainage, Stage Construction, Structure plans, etc.), the "Grand Total" is usually summarized on the Summary of Quantities sheets.
- If a bid item is shown on different sheets, then the quantity total is to be on a separate row, labeled as "Subtotal." The "Grand Total" for that bid item should then be shown on the Summary of Quantities.
- Headings for all "Bid Items" must match the description for the bid item shown in the Bid Item List. The total project quantity for an item needs to correspond to the quantity shown in the Bid Item List.
- Use the same number of decimals for the same bid item (same degree of accuracy for entire column). The decimal point (period) is to line up within the column, making it quick and easy to see the quantities.

For quantities that total into the ten-thousands, use a comma. A comma may be used for quantities that total into the thousands. If a comma is used, apply it to all columns within that specific table.
- "Speciality Item" is no longer to be used to identify a bid item.

"Final Pay" is only to be identified on the Bid Item List. Final Pay is not to be mentioned anywhere within the contract plans.
- Excavation and Embankment quantities are to be summarized in the same manner on the Profile Sheets and the Summary of Quantities sheets. These quantities are the actual unadjusted values.

The Grand Total for Embankment should account for any shrinkage or swelling of the Roadway Excavation. Use a separate row in the earthwork quantity table to identify any Subsidence quantity, if it is applicable to the project.
- For retaining walls or sound walls, the quantities for each wall is to be listed with the sheets for each wall. If there is more than one wall of the same type within the project (common bid items), then summarize the bid items for the walls on the Summary of Quantities sheets.

If some walls are included in the Structures portion of the PS&E submittal, in addition to the roadway submittal, include a cross reference note saying there are additional walls in the structures plans.

The cell AC=QSHEET in the CTCELLIB.cel is available to use as a template to set up quantity tables.

TABLE TITLE:
FT=43, TX=12, WT=0, LV=60, CO=0

Table Title is to be placed outside and above the table (not enclosed in the table).

The title of a table should encompass similar items of work (i.e. ROADWAY ITEMS or DRAINAGE QUANTITIES). Specific items of work should be avoided in the title of a table.

COLUMN TITLES AND UNITS OF MEASUREMENT:
FT=3, TX=8.75, WT=2, LV=60, Upper Case except for Std abbreviations

ALL TEXT IN TABLE:
FT=3, TX=7, WT=1, LV=60, CO=0 Upper Case except for standard abbreviations

SUBTOTAL, GRAND TOTAL OR TOTAL:
FT=3, TX=8.75, WT=2, LV=60,

QUANTITY TABLE TEMPLATE

STATION	DIRECTION	EA		LF	
FROM HERE TO THERE	NB	1	24.6		
FROM THERE TO HERE	SB	1	104.7		
SUBTOTAL			129.3		
TOTAL		2			

LINE WIDTHS FOR THE TABLE:

- Exterior border; WT=2, LV=60, CO=0
- Horizontal line separating headings or unit callouts; WT=1, LV=60, CO=0
- Horizontal lines separating rows; WT=0, LV=60, CO=0
- Vertical lines separating columns; WT=1, LV=60, CO=0
- Horizontal line separating Totals, Grand Totals or Subtotals; WT=1, LV=60, CO=0

SPACING BETWEEN ROWS: (for single line of text)

Use 14 feet between rows so half the height of the text is above and below the text for each row.

SPACING OF ROW: (for Total or Subtotal and Units of Measure)

For rows showing totals and units of measure, use 18 feet. Text size for summary heading is 8.75 feet. Instead of making row 17.5 feet, round to 18 feet.

SPACING OF ROWS: (with 2 or more lines)

For 2 lines: calculate 7 feet twice, plus half the height above and below, and half the height in between lines.
Total would be 24.5 feet. Round up to the nearest 2 foot increment (26 feet).

TEXT JUSTIFICATION:

- Left-Center (LC) for location or description column
- Center-Center (CC) for units of measure
- Right-Center (RC) for quantity values (so the decimal or comma will line up)

GENERIC SUMMARY OF QUANTITIES SHEET, BASIC INFORMATION FOR TABLES ON Q-SHEET

SUMMARY OF QUANTITIES Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CALCULATED-DESIGNED BY

CHECKED BY

FUNCTIONAL SUPERVISOR

REVISOR BY

DATE REVISED