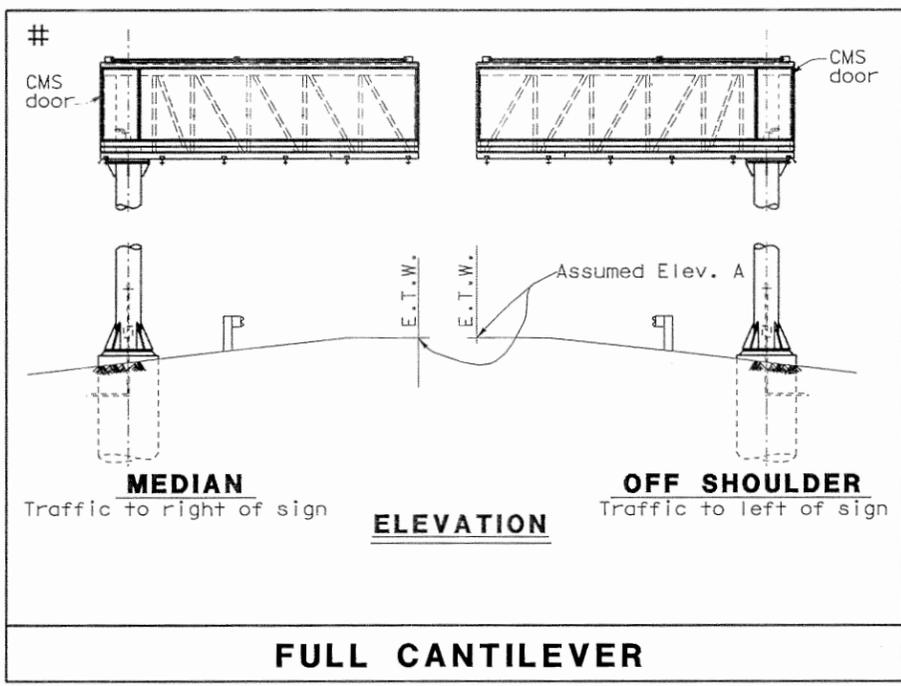


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** SPECIAL DESIGNS BRANCH  
 PROJECT ENGINEER  
 CHECKED BY  
 CALCULATED/DESIGNED BY  
 DATE  
 DETAILS  
 QUANTITIES



# TABLE Q (QUANTITIES)

"h" (m)	Weight (kg.) walkway 1 side	Weight (kg.) walkway 2 sides
4.9	7310	8099
5.5	7425	8214
6.1	7541	8330
6.7	7657	8446
7.3	7772	8561

# PRELIMINARY NOTES #

FOUNDATION DESIGN

Foundation design is based on 2001 AASHTO article 13.6 Brams' approximate procedure assuming a cohesionless material. The angle of internal friction used is 30 degree and unit weight of soil used is 1922 kg/m<sup>3</sup>

Foundation review and foundation recommendations for pile length are required. Pile length can not be less than 6.71m

Review shall include alternative foundation types where CIDH pile foundation is not recommended. Project Plans and Structure Details may need revisions per foundation recommendations.

# Not to be included in contract documents.



DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST SHEET NO	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

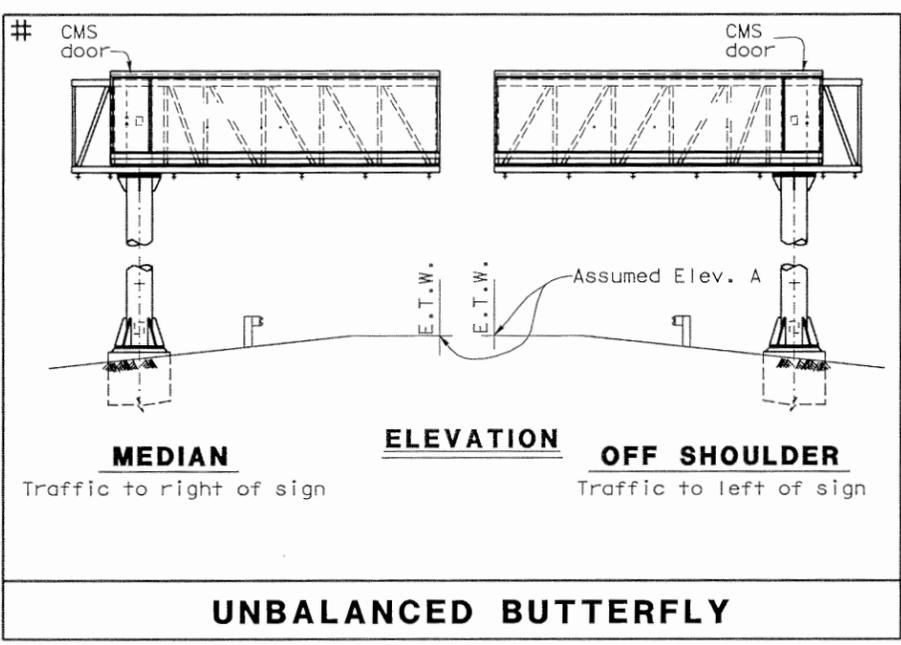
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans now has a web site! To get to the web site, go to: <http://www.dot.ca.gov>

Model 500 Reactions

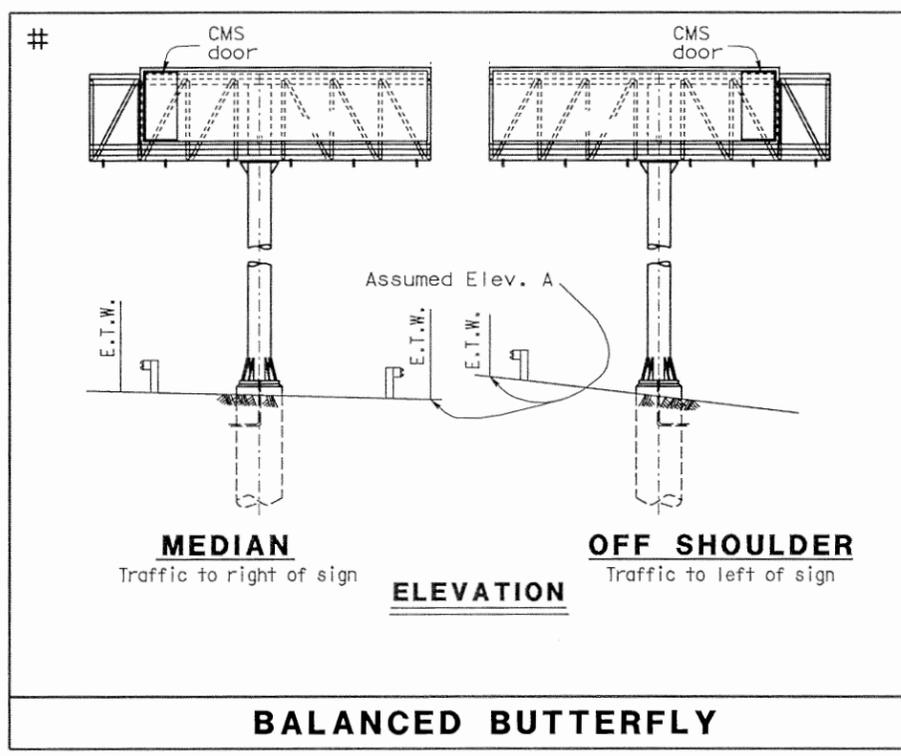
Axial (kN)	Shear (kN)	Bending Moment (kN-m)
75	61	493

- # Instructions for using this sheet:
1. Read "PRELIMINARY NOTES" above.
  2. Choose the type of CMS desired, and place this information in "Table 1" under the heading "CMS Type".
  3. Determine the "h" value based on site information, and enter that value in "Table 1" under the heading "h".
  4. Find the "h" value in "TABLE Q" of the type of CMS you are using and find the quantity given in either the "1 side" or "2 sides" column, and enter this value in "Table 1" under the "Furnish" heading and the "Install" heading. Indicate on this sheet if you are using walkways on 1 side or two sides of truss by choosing the appropriate note "1".
  5. Continue to fill in "Table 1" with the appropriate corresponding values for CMS you are using.



# TABLE Q (QUANTITIES)

"h" (m)	Weight (kg) walkway 1 side	Weight (kg) walkway 2 sides
4.9	7523	8351
5.5	7639	8466
6.1	7755	8582
6.7	7870	8698
7.3	7986	8813



# TABLE Q (QUANTITIES)

"h" (m)	Weight (kg.) walkway 1 side	Weight (kg.) walkway 2 sides
4.9	7550	8354
5.5	7627	8431
6.1	7743	8547
6.7	7859	8663
7.3	7974	8778

**TABLE I**

CMS Type	Loc No.	Station	Route	Orientation	X (m)	"h" (m)	Assumed Elev A (m)	** Elev B (m)	QUANTITIES		
									Furnish (kg)	Install (kg)	1524 mm Dia CIDH Pile (m)
							100.00		See TABLE Q	See TABLE Q	*

\* see data from foundation recommendations  
 \*\* Assumed Elev. B is at bottom of Base plate

- NOTES:
1. Quantities are based on either 1-side or 2-sides walkway.
  2. For layout and dimensions see "LAYOUT" sheet.
  3. Quantities do not include "State furnished CMS Panel".
  4. The contractor shall verify all controlling field dimensions before ordering or fabricating any material.

**SIGN PLAN**  
**MODEL 500**  
**CHANGEABLE MESSAGE SIGNS**  
**OVERHEAD SIGN TRUSS SINGLE POST**  
**DESIGN TABLE**