



Ministry of  
Transportation  
and Infrastructure

## ELECTRICAL AND TRAFFIC ENGINEERING MANUAL

### **Appendix 500.2B**

### **Pole Capacity Calculator Example**

Transportation Systems and Road Safety Engineering

**NOTE:** Pole Capacity Calculator shall be used for "Preliminary Design ONLY"

See disclaimer below.

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TSRS Engineering  
Electrical and Traffic Engineering Manual

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NY NAME:

PROJECT CITY:

DRAWING NO.:

POLE NO.:

## COMBINED FORCE RATIOS

POLES	POLE SHAFT
-	T1, T3, T6, T7, S, L, M, H

T1, T3, T6, T7, S, L, M, H

TOP OF POLE	
Height	1.00
Lighted cells:RATIO>	1.00
NO GOOD	

Highlighted cells:RATIO>1.00 NO GOOD

	DEFLECTION > 600 IS NOT ACCEPTABLE
--	------------------------------------

DEFLECTION > 600 IS NOT ACCEPTABLE

LENGTH =

LENGTH =

440

$$\text{SPAN} = \text{SPAN} \cup \{v\}$$
$$\text{SPAN} = \text{SPAN}$$

$$\text{SPAN} = \frac{\text{SPAN}}{\text{SPAN}} =$$

$$\frac{\text{SPAN}}{\text{SPAN}} =$$

SPAN =

SPAN =

1

CR SIGN =

TR SIGN =

PR SIGN =

CR SIGN =

TR SIGN =

PR SIGN =

CR SIGN =

TR SIGN =

PR SIGN =

\*\*\*\*\* FOR 'USER GUIDE' AND 'PROGRAM ASSUMPTIONS' REFER TO OTHER WORKSHEETS OF THIS WORKBOOK

Disclaimer: This spreadsheet does not check for fatigue and fatigue loading as per CAN/CSA-S6-19. This spreadsheet is recommended for preliminary design purposes only.

For using this program, the user accepts and understands that no warranty is expressed on the accuracy or the reliability of the program.