

# INTERIM DESIGN B STRUCTURE COMPUTATION SHEET

REV 9/26/14

LOW S.P. \_\_\_\_\_ OH SIGN NO. \_\_\_\_\_

DESIGNED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

SIGN PANEL AREA: \_\_\_\_\_

EO PANEL AREA: \_\_\_\_\_

SPAN LENGTH: \_\_\_\_\_ TRUSS TYPE **A** **B** **C** TOTAL SIGN PANEL AREA \_\_\_\_\_ SQ. FT.  
SIGN PANEL AREA + EO PANEL AREA

	<u>LEFT POST</u>			<u>RIGHT POST</u>	
	ORIGINAL	REVISED		ORIGINAL	REVISED
LOW STEEL	_____	_____		_____	_____
ELEV A	-	_____		-	_____
Y DIMENSION	+	_____		+	_____
<small>(DISTANCE FROM CENTER OF TRUSS TO TOP OF TRUSS)</small>	+	<u>3.00</u>		+	<u>3.00</u>
POST HEIGHT	=	_____		=	_____
		<small>POST TYPE</small>			<small>POST TYPE</small>

POST STEEL: \_\_\_\_\_ ( \_\_\_\_\_ + \_\_\_\_\_ ) + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ POUNDS  
LBS/FT from ST-2 CHART      LEFT POST HT      RIGHT POST HT      LEFT POST CONSTANT      RIGHT POST CONSTANT

TRUSS STEEL \_\_\_\_\_ FT X [123(A)] [168 (B)] [196 (C)] (CIRCLE ONE) = \_\_\_\_\_ POUNDS  
SPAN LENGTH

ADDITIONAL TRUSS STEEL FOR LEDSTAR SIGNS: (SEE BELOW) \_\_\_\_\_ = \_\_\_\_\_ POUNDS  
 TOTAL TRUSS STEEL = \_\_\_\_\_ POUNDS

WALKWAY SUPPORT STEEL: NO OF SUPPORTS: \_\_\_\_\_ X \_\_\_\_\_ LBS = \_\_\_\_\_ POUNDS

WALKWAY GRATING STEEL: \_\_\_\_\_ LF X 40 LBS = \_\_\_\_\_ POUNDS

WALKWAY TOE ANGLE STEEL: \_\_\_\_\_ LF X 22 LBS = \_\_\_\_\_ POUNDS

TOTAL WALKWAY GRATING STEEL = \_\_\_\_\_ POUNDS

PANEL MOUNTING POST STEEL: WEIGHT PER POST \_\_\_\_\_ X \_\_\_\_\_ POSTS = \_\_\_\_\_ POUNDS

PANEL MOUNTING POST STEEL: WEIGHT PER POST \_\_\_\_\_ X \_\_\_\_\_ POSTS = \_\_\_\_\_ POUNDS

PANEL MOUNTING POST STEEL: WEIGHT PER POST \_\_\_\_\_ X \_\_\_\_\_ POSTS = \_\_\_\_\_ POUNDS

TOTAL PANEL MOUNTING POST STEEL \_\_\_\_\_ POUNDS

CONCRETE

SHAFT FOOTING (LEFT): \_\_\_\_\_ CUBIC YARDS      SHAFT FOOTING (RIGHT): \_\_\_\_\_ CUBIC YARDS

SPREAD FOOTING (LEFT): \_\_\_\_\_ + 0.46 X \_\_\_\_\_ = \_\_\_\_\_ CUBIC YARDS  
G

SPREAD FOOTING (RIGHT): \_\_\_\_\_ + 0.46 X \_\_\_\_\_ = \_\_\_\_\_ CUBIC YARDS  
G

FOUNDATION SPECIAL: \_\_\_\_\_ LEFT FOOTING      \_\_\_\_\_ RIGHT FOOTING      \_\_\_\_\_ MEDIAN FOOTING

**NEW LEDSTAR DYNAMIC MESSAGE SIGN (31'-8 1/4" x 8'-0")**  
**2-6" x 6" x 3/8 x 31'-8 1/4" PLATES @ 14.9 pounds/foot = 944 pounds**  
**MOUNTED 3'-3" (.99 m) above and below the center of the sign box.**