INTERIM DESIGN B STRUCTURE COMPUTATION SHEET

1/20/2016

LOW S.P. _____ OH SIGN NO. _____

DESIGNED BY:_____ DATE:_____ CHECKED BY:_____ DATE:_____

REVISED BY: _____ DATE:_____ CHECKED BY:_____ DATE:_____

SIGN PANEL AREA: _____

EO PANEL AREA: _____

TOTAL SIGN PANEL AREA → _____SQ FT

PANEL MOUNTING POST STEEL: _____ WT OF POSTS x _____ POSTS = _____ POUNDS
(WT OF POSTS: BASED ON PANEL HEIGHT, SEE CHART ON ST-2; POSTS: BASED ON PANEL WIDTH, SEE CHART ON ST-10)

PANEL MOUNTING POST STEEL: _____ WT OF POSTS x _____ POSTS = _____ POUNDS

PANEL MOUNTING POST STEEL: _____ WT OF POSTS x _____ POSTS = _____ POUNDS

TOTAL PANEL MOUNTING POST STEEL = _____ POUNDS

SPAN LENGTH: _____ TRUSS TYPE: A B C

TRUSS STEEL _____ FT x [123(A)] [168 (B)] [196 (C)] (CIRCLE ONE) = _____ POUNDS
(SPAN LENGTH)

ADDITIONAL TRUSS STEEL FOR LEDSTAR SIGNS: _____ POUNDS
SEE NOTES AT BOTTOM OF PAGE

TOTAL TRUSS STEEL = _____ **POUNDS**

	LEFT POST ORIGINAL	LEFT POST REVISED		RIGHT POST ORIGINAL	RIGHT POST REVISED	
LOW STEEL						
ELEV A −			−			
Y DIMENSION +			+			
(DISTANCE FROM CENTER OF TRUSS TO TOP OF TRUSS) +	3.00		+	3.00		
POST HEIGHT =			**POST TYPE**	POST HT =		**POST TYPE**

POST STEEL _____ (_____ + _____) + _____ + _____ = _____ **POUNDS**
(LBS/FT from ST-2 CHART; LEFT POST HT; RIGHT POST HT; LEFT POST CONSTANT; RIGHT POST CONSTANT)

WALKWAY SUPPORT STEEL: NO OF SUPPORTS:_____ x _____ LBS = _____ **POUNDS**
(BASED ON WALKWAY LENGTH; WEIGHT PER SUPPORT SEE CHART ON ST-2)

(FIXED HAND RAIL) WALKWAY GRATING STEEL: _____ LF x 64 LBS = _____ POUNDS

(FOLDING HAND RAIL) WALKWAY GRATING STEEL: _____ LF x 60 LBS = _____ POUNDS

*SEE ST-2 FOR WALKWAY GRATING STEEL NOTES

TOTAL WALKWAY GRATING STEEL = _____ **POUNDS**

CONCRETE

SHAFT FOOTING (LEFT): _____ CUBIC YARDS (BASED ON POST TYP SEE CHART ON ST-)

SHAFT FOOTING (RIGHT): _____CUBIC YARDS (BASED ON PANEL WIDTH SEE CHART ON ST-10)

SPREAD FOOTING (LEFT): _____ + (0.46 x _____) = CUBIC YARDS
(CONSTANT OF 9.3 or 16.: BASED ON POST TYPE, SEE CHART ON ST-; G (PEDESTAL HEIGHT) IN FEET)

SPREAD FOOTING (RIGHT): _____ + (0.46 x _____) = CUBIC YARDS
(CONSTANT OF 9.3 or 16.7 BASED ON POST TYPE, SEE CHART ON ST-3; G (PEDESTAL HEIGHT))

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" ANGLES @ 14.9 pounds/foot = 944 POUNDS
MOUNTED 3'-3" (.99 m) above and below the center of the sign box.

*DMS **do not use** Panel Mounting Posts. They are mounted to the truss with **ANGLES** & **Z bars**. The weight of the ANGLES (944 lbs) gets added to the truss steel quantity.