E73550 NC DOT | ANALYSIS OF CANTILEVER HIGHWAY SIGN STRUCTURES

	RUN *		FREE STYLE HEADING		PROJECT NUMBER	NAME FIRST	NAME LAST		PHONE
E									

TRUSS	MATERIAL	SPAN LENGTH * FT.	TRUSS DEPTH FT.	PROVIDED CAMBER	# OF CHORDS	CHORDS: OUTER DIAMETER IN.	CHORDS: WALL THICKNESS IN.	CHORDS: WEIGHT/FT. OF ONE CHORD	CHORDS: FY	DIAGONALS: θ'	DIAGONALS: θ'	DIAGONALS: OUTER DIAMETER IN.	DIAGONALS: WALL THICKNESS IN.	DIAGONALS: WT/FT OF ONE DIAG.	DIAGONALS: FY KSI	WELD AT CHORD: AREA IN.^{2}	WELD AT CHORD: FW
A																	

FRAME	SIDE	FRAME HEIGHT FT.	SIGNS	WIND SPEED MPH	WT/FT^2 OF SIGN	NO. OF SIGNS	SIGN #1: DIST. FROM SIGN ℄ TO SUPPORT ℄	SIGN #1: DEPTH FT.	SIGN #1: WIDTH FT.
F			S						
F									

GENERAL	CARD NO.	DESIGN WIND SPEED	POLE TYPE: ROUND	POLE TYPE: 8 SIDED	POLE TYPE: 12 SIDED	FY KSI	OVERALL POLE HEIGHT FT.	HEIGHT ABOVE BASE HORIZ. LOAD APPLIED FT.
G								

POLE	CARD NO.	ELEVATION AT BASE OF SECTION FT.	ELEVATION AT TOP OF SECTION FT.	OUTER DIA. AT BASE OF SECTION IN.	OUTER DIA. AT TOP OF SECTION IN.	WALL THICKNESS IN.	POLE TO BASE PLATE WELD IN.	TRUSS WIDTH FT.
P								

CONNECTION	CARD NO.	ANCHOR BOLTS: S OR C	ANCHOR BOLTS: BOLT CIRCLE DIAMETER IN.	ANCHOR BOLTS: BOLT AREA IN.^{2}	ANCHOR BOLTS: # OF BLTS	ANCHOR BOLTS: FY KSI	ANCHOR BOLTS: BOLT SPACING IN.	BASE PLATE: SIDE IN.	BASE PLATE: THICKNESS IN.	BASE PLATE: FY KSI	TRUSS TO POLE CONNECTION: WELD SIZE IN.	TRUSS TO POLE CONNECTION: PLATE LENGTH IN.	TRUSS TO POLE CONNECTION: PLATE WIDTH IN.	TRUSS TO POLE CONNECTION: PLATE THICKNESS IN.	TRUSS TO POLE CONNECTION: FY KSI	TRUSS TO POLE CONNECTION: # OF BLTS	TRUSS TO POLE CONNECTION: CENTER BOLT SPACING IN.	TRUSS TO POLE CONNECTION: BOLT SPACING IN.	TRUSS TO POLE CONNECTION: BOLT AREA IN.^{2}	TRUSS TO POLE CONNECTION: FY KSI
B																				

* A CARD COL. 3–7 DOUBLE THE SPAN LENGTH. (EX: ENTER 70.00' FOR 35' SPAN)

JANUARY 1991