N.C. DEPT. OF TRANSPORTATION PRESTRESSED GIRDER E7300M

FREE STYLE DESCRIPTION — NAME, PROJECT NO., DATSET NAME, ETC.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
H																																																			

	CARD #			LIVE LOAD CODE (01)	MODULUS ELASTICITY(E) X1000 GIRDER AT RELEASE (FORMULA)				GIRDER AT 28 DAYS (FORMULA)					COMPOS. SECTION			CONCRETE STRENGTH COMPR. AT RELEASE 28 MPa				COMPR. AT 28 DAYS 35 MPa					CONC. ALLOW. TENSION COAST FORMULA				FIXED LOSSES MPa IN PRESTRESS STRANDS LOSS UP TO RELEASE (SPECS)					FLAT LOSS OR FINAL TOTAL (SPECS)					X=DET. DEFL.	BLANK	BLANK	BUILDUP DEPTH 50 mm			HOLD DOWN/ C/L 1.525m			THE INITIAL RELAX. (24 HRS.)		X=LW DECK
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
C																																																				

	E OR I	SECTION NO.		CONCRETE SLAB mm FULL LEFT WIDTH				FULL RIGHT WIDTH					FULL DEPTH			DEAD LOAD kN/m EXTRA NON-COMPOS.				COMPOS. (PR+WS)				LIVE LOADING SIDE-WALK kN/m				WHEEL DISTRIB. FACTORS MOMENT				SHEAR				DEFLEC.				GIRDERS DESCRIPTION										A & B MIN.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	

NON-STANDARD STRAND TYPE # 3

	CARD #			STRAND AREA SQ.mm				FPI FACTOR				FPY FACTOR				GRADE				BLANK	NOMINAL DIA. OF STRAND (mm)				X=L.R.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
K																									

STRAND TYPES (L CARD COL. 7) (G CARD COLS. 13-14)				
#	DIA.	AREA	GRADE	
1	11.11	74.19	1860	S.R.
2	12.70	98.71	1860	S.R.
3	DATA	ENTERED	WITH K CARD	
4	11.11	74.19	1860	L.R.
5	11.91	85.81	1860	L.R.
6	12.70	98.71	1860	L.R.
7	12.70 SP.	107.74	1860	L.R.
8	FOR	FUTURE	USE	
9	11.11	69.68	1725	S.R.

NON-STANDARD STRAND ARRANGEMENT

	CARD #			GIRDER TYPE #		STRAND TYPE #		# DRAPED EA. LINE		#STRANDS AT TOP		STRAND HEIGHTS BOTTOM LINE				SPACING BETWEEN LINES				TOP LINE		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
L																							

NON-STANDARD STRAND ARRANGEMENT DETAILS

	CARD #			TOTAL # STRAND		# DRAPED STRAND		TOTAL NO. STRANDS IN BOTTOM LINES AT CENTER SPAN, INCLUDING DRAPED A					B				C				D				E				F				G				H				HEIGHTS DRAPED STRANDS(LOW LINE) AT CENTER SPAN						AT END			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37													
N																																																			

COLS. 8-23: DO NOT INCLUDE TOP PAIR OF STRANDS LOCATED 50mm FROM TOP OF GIRDER.

	CARD #			DESIGN SPAN m					SECTION NO.		FIXED NO. DIAPHRAGMS		FIX STRAND TYPE # FIRST	SECOND	FIXED TOTAL NO. STRANDS		ENTER X GIRD. TYPE II	III	IV	DRAPED NO	YES	X FOR L & N
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Q																						

COLS. 9-22 OPTIONAL X IN COL. 22 USES L AND N DATA AND VOIDS COLS. 13-21

SEE ASTM A886/A886M

GIRDER TYPE (L CARD COL. 5)	
#	TYPE
1	AASHTO II
2	AASHTO III
3	AASHTO IV
5	AASHTO V
6	AASHTO VI
7	NC MBT 1600
8	NC MBT 1829

REVISED MAY 14, 1996