E75800

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PRESTRESSED CONCRETE CORED SLAB

FREE – STYLE DESCRIPTION

H	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																																																			

C	CARD NO.	LIVE LOAD CODE (01)	CONCRETE STRENGTH Fo PSI (5000)	CONCRETE STRENGTH Foi PSI (4000)	MODULUS OF ELASTICITY (KSI) SLAB UNIT AT REL (FORMULA)	MODULUS OF ELASTICITY (KSI) SLAB UNIT 28 DAYS (FORMULA)	CONCRETE TENSION ALLOW MIDSPAN FINAL (PSI) (0)	FIXED LOSSES IN P/S STRANDS PSI AT RELEASE PHASE I (SPECS)	FIXED LOSSES IN P/S STRANDS PSI FINAL TOTAL (SPECS)	REIN-FORCING STEEL FS PSI (24000)	REIN-FORCING STEEL FY PSI (60000)
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											
C											

I	CARD NO.	FIXED DEAD LOADS EXTRA (PLF)	FIXED DEAD LOADS WS (PLF)	FIXED DEAD LOADS FWS (PLF)	FIXED DEAD LOADS RAIL (PLF)	ROADWAY SECTION TYPE (1)	SLOPE NO. OF 32NDS	WS DEPTH AT ℄ IN	WS DEPTH AT ℄ 16TH	1 DES. ROADWAY WIDTH FT	1 DES. ROADWAY WIDTH IN	1 DES. ROADWAY WIDTH 16TH	2 RAIL WIDTH IN	2 RAIL WIDTH 16TH	3 OVERHAND CLEAR IN	3 OVERHAND CLEAR 16TH	LIVE LOAD SIDE WALK (PLF)	LIVE LOAD LOAD FRACTION %	FIX NO. LINE	FIX NO. SLAB UNITS
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																				
I																				

NON-STANDARD STRAND TYPE (04)																												
L	CARD NO.	STRAND AREA IN^2											INITIAL PRESTRESS (BEFORE LOSSES)															
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																												

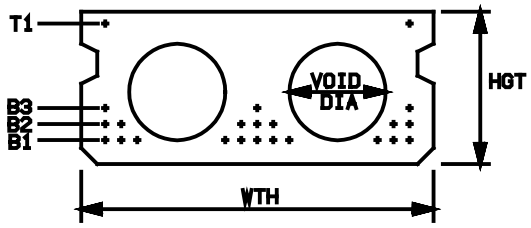
STRAND DESCRIPTION	
DIAMETER OF STRAND	GRADE 270 250 KSI

LIVE LOAD	
01	HS20
02	H20
03	HS15
04	H15
05	NONE

NON-STANDARD STRAND ARRANGEMENT																																																			
M	CARD NO.	SLAB UNIT TYPE	STRAND TYPE	NO. OF STRANDS TOTAL	NO. OF STRANDS ROW T1	NO. OF STRANDS ROW B1	NO. OF STRANDS ROW B2	NO. OF STRANDS ROW B3	STRAND HEIGHTS FROM BOTTOM TO T1 (IN)	STRAND HEIGHTS FROM BOTTOM TO B1 (IN)	STRAND HEIGHTS FROM BOTTOM TO B2 (IN)	STRAND HEIGHTS FROM BOTTOM TO B3 (IN)	SHEATHING B1	SHEATHING B2	SHEATHING B3	SHEATHING FT	SHEATHING IN
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																																																			

NON-STANDARD SLAB UNIT TYPE (05)																													
N	CARD NO.	WTH IN	HGT IN	VOID DIA IN_L																									
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																													

AREA CROSS SECTION IN^2	MOMENT INERTIA IN^4	SECTION MODULUS IN^3	SLAB WEIGHT PLF



SLAB UNIT TYPE	
NO.	DESCRIPTION
01	AASHTO SIII
02	AASHTO SIV
03	BM-1
04	BM-2
05	ENTER WITH "N" CARD

ONLY STANDARD TYPES USED IN "N" CARD

STRAND TYPE (M CARD COLS. 6-7) (Q CARD COLS. 12-13)			
NO.	DIA.	AREA	GRADE
01	7/16"	0.115	270 S.R.
02	1/2"	0.153	270 S.R.
03	7/16"	0.109	250 S.R.
04	DATA ENTERED WITH L CARD		
05	7/16"	0.115	270 L.R.
06	1/2"	0.153	270 L.R.
07	15/32"	0.133	270 L.R.
08	1/2" SP.	0.167	270 L.R.
09	FOR FUTURE USE		

Q	CARD NO.	DESIGN SPAN FT	"I" CARD NO.	X FOR L-H-N	FIX STRAND TYPE	FIX TOTAL NO. STRANDS	FIX SLAB UNIT TYPE	DESCRIPT
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22								
Q								

NOTE..
"L", "M", "N" CARDS MUST IMMEDIATELY PRECEDE THE "Q" CARD WHICH THEY ARE REFERENCING

DATE = NOVEMBER 1996 REV.