NORTH CAROLINA D.O.T.

COMPOSITE I-BEAM

E7020M

H	RUN NO.	LIVE LOAD	STEEL CODE	MOM+SECTN	N RATIO 9 LIVE	N RATIO 27 DEAD	SERV/LOAD FACT	SECTION TYP	STRESS CYCLES	LIVE LOAD	NAME, PROJECT NUMBER, DESCRIPTION, DATASET, ETC. "FREESTYLE"	LW L
1	2	3	4	5	6	7	8	9	10	11	12	13
H												

LIVE LOAD: 1 = MS18* 2 = M18 3 = MS135 4 = MS135 5 = MS9 6 = M9 7 = RR 8 = SPCL 9 = NONE

STRESS CYCLES: T = 2 X 10^6, X = 5 X 10^5

* STANDARD VALUES

STEEL CODE: 1 = A36M 2 = A572M 3 = A588M *

E	BEAM SECTION NO.	CONCRETE SLAB LEFT WIDTH mm	CONCRETE SLAB RIGHT WIDTH mm	CONCRETE SLAB DEPTH (FULL) mm	BUILDUP WIDTH mm	BUILDUP DEPTH mm	DEAD LOAD EXTRA NON-COMP kN/m	DEAD LOAD OPTIONAL DIAPHRGM ETC. kN/m	DEAD LOAD PRWS ETC. COMP. kN/m	LIVE LOAD SIDEWALK LIVE kN/m	WHEEL DISTRIBUTION FACTORS MOMENT	WHEEL DISTRIBUTION FACTORS SHEAR	WHEEL DISTRIBUTION FACTORS DEFLECTION	SPEC. L L	DESCRIPTION ("EXT" OR "INT" PROVIDED -NO NEED TO GIVE THIS)	MIN. BEAM
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

D	CARD NO.	DESIGN SPAN °	DESIGN SPAN m	BEAM SECTION NO.	NO. DESIGNS	NO. DIAPHRAGMS	NON-COMP N	NO COVER PL X	FIXED BEAM F	STARTING BEAM HT mm	STARTING BEAM WGT kg/m	THESE PLATE SIZES MAY BE FIXED WIDTH mm	THESE PLATE SIZES MAY BE FIXED THICK. mm	THESE PLATE SIZES MAY BE FIXED LENGTH m	SPECIAL STRESS MPa	ACTUAL DEAD-LOAD OVER-RIDE IF USED	ACTUAL DEAD-LOAD OVER-RIDE DEAD MOMENT kN/m	ACTUAL DEAD-LOAD OVER-RIDE PRWS MOMENT kN/m	ACTUAL LIVE-LOAD OVER-RIDE IF USED	ACTUAL LIVE-LOAD OVER-RIDE SIDEWALK MOMENT kN/m	ACTUAL LIVE-LOAD OVER-RIDE LIVE MOMENT kN/m	ACTUAL LIVE-LOAD OVER-RIDE LIVE SHEAR kN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
D																

DATA BY _____

CHECKED BY _____

REV. MARCH 18, 1997