PRESTRESSED BEAM DESIGN

GEORGIA DEPARTMENT OF TRANSPORTATION - OFFICE OF BRIDGE DESIGN

IDENTIFICATION

	PROG.	PROB. NO.	PROJECT NO., COUNTY, NAME, DATE, REMARKS, ETC.
*	B05		

SPAN DATA

	D/A	LL CASE	SKIP T	SKIP L	SKIP M	L (FT)	DFM	DFV	DFD	$W_{DL_{NC}}$	W_{DL_C}	W_{SW}	f'_c	f'_{ci}		NPL	SIT	SFB	SFT_E
1															XXXXX				

ENTER 1 TO SKIP LL

BEAM DATA

	BEAM DIMENSIONS (INCHES)									COMPOSITE SLAB (INCHES)			$E \times 10^3$		ST SIZE	DECK PANEL	F_{SY}
	W_{TC}	H_T	F_T	W_S	H_B	W_B	F_B	D_B		W_F	T_F	D_F	E_{BM}	E_{SLAB}			
2															X1	X1	

STRAND DATA

	T	NST	XDIST (FT)	ACT. NO. OR MAX. NO. STRANDS PER ROW 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	AS_B	AS_T	DIAM	T_{CL}	B_{CL}	SPAC
3																													

	RB_{FPU}	B_{FPU} (KSI)	IB LOSS	FB LOSS	RT_{FPU}	T_{FPU} (KSI)	IT LOSS	FT LOSS	WT_C	LL	IT LENGTH	FT LENGTH	D LENGTH
4													

ENTER 1 TO DEBOND

DEBONDED DATA

	D	ACT. NO. AND LENGTH OR MAX. NO. AND LENGTH DEBONDED PER ROW (1ST CHOICE) N1	L1	N2	L2	N3	L3	N4	L4	N5	L5	N6	L6	N7	L7	N8	L8	N9	L9	N10	L10	N11	L11	N12	L12	N13	L13	N14	L14
5																													

	ACT. NO. AND LENGTH OR MAX. NO. AND LENGTH DEBONDED PER ROW (2ND CHOICE) N1	L1	N2	L2	N3	L3	N4	L4	N5	L5	N6	L6	N7	L7	N8	L8	N9	L9	N10	L10	N11	L11	N12	L12	N13	L13	N14	L14
6																												

NOTE: LENGTHS ARE A MULTIPLE OF .05

ENTER 1 TO DRAPED

DRAPED DATA

	D	RAISED HEIGHT (IN)	HOLD PT.	ACT. NO. OR MAX. NO. STRANDS PER ROW 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
7																			

P - LOADS

	XP_1	P_1	XP_2	P_2	XP_3	P_3	XP_4	P_4	XP_5	P_5
8										