STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

BR - 101 B
(REV.2-15-87)

BRIDGE ANALYSIS AND RATING SYSTEM INPUT DATA FORM — CARD TYPE 02, 05 AND 06

STRUCTURE HEADER AND DESCRIPTION

CARD TYPE	STRUCTURE GROUP ID	STRUCTURE NO.	RATING ANALYST IDENTIFICATION: CODED BY	RATING ANALYST IDENTIFICATION: REVIEW BY	ENGR. ATTN.	OVERRULE BATCH RAT. EXCEPT'S (I O P)	OVERRULE FILE REQUESTS AND OUTPUT DATA EXCEPTIONS	FL. BM. LL. (b)	CURB DISTANCE "A" in. (i)	STRUCTURE TYPE	YEAR OF CONSTRUCTION	STRUCTURE LENGTH (F I FEET IN 1/16)	ROADWAY WIDTH (F I FEET IN 1/16)	NUMBER OF SPANS	NEGATE SPEC (X A b)	LIVE LOAD TRUCK DESIGNATION (INV. OPER.)
0,2	300240		DLMCO	RCICO						112	68	112	4706	03		HS20

STRUCTURE LOCATION AND PERMANENT IDENTIFICATION FACTORS

CARD TYPE	STRUCTURE GROUP ID	STRUCTURE NO.	BRIDGE NUMBER (SLM ONLY)	DISTRICT	COUNTY ABBREV.	ORIGINAL CONSTRUCTION INFORMATION: ROUTE NUMBER	SECTION	STATION (i + i)	MICROFILM REEL NUMBER: ORIG. DESIGN PLANS	COMPUTATIONS	OFFICIAL USE ONLY	KEY ROUTE ID (FEDERAL AID ROUTE NO.)	MARKED ROUTE
0,5	300240		3002403	E	GUE	77	00.00	584510	APERTUR			LFEDERAL	IR 77

COMMENTS (DESIGN LOADING, WEARING SURFACE, MEMBER I.D.'S, STD. DRWG. REF. NOS., SPECIAL REMARKS ETC.)

ANALYST REMARKS TO BE DUPLICATED IN FORM AND CONTENT ON SUMMARY OF RATING CALCULATIONS

CARD TYPE	STRUCTURE GROUP ID	STRUCTURE NO.	SEQ	COMMENTS
0,6	300240		1	GUE-77-0111 L OVER SENECA FORK CREEK; CF=2.000 (57) LOADING;
0,6			2	REF. TO STD. DWG. CS-2-65 DATED 6-1-65; PROJ. NO. 591(65);
0,6			3	MAINTAIN & INSP. BY ODOT; CONTINUOUS 18.50" CONCRETE SLAB;
0,6			4	SPANS: 34.00'-42.50'-34.00' C/C BRGS.; NO SKEW; SFN 3002403;
0,6			5	1.75" SUPERPLASTICIZED DENSE CONC. WS; UPDATED BY SAHCO 5-3-2011
0,6			6	

DOT - 2856

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

BR - 101 E
(REV. 6 - 1 - 83) **BRIDGE ANALYSIS AND RATING SYSTEM INPUT DATA FORM** CARD TYPE 08

$S = 34.0'$

$LLDF = \frac{1}{4+0.06(S)}$

$= \frac{1}{4+0.06(34.0')}$

$= \frac{1}{4+2.04}$

$= \frac{1}{6.04}$

$= 0.16556$

$= 0.1656$

MEMBER DESCRIPTION SPECIFICATIONS - GIRDER, STRINGER, FLOOR BEAM

CARD TYPE (1-2)	STRUCTURE GROUP ID (3-5)	STRUCTURE NO. (6-8)	MEMBER ID CSB (9)	MEMBER ID NO. (10-11)	CONTINUE (12)	TOTAL NO. OF SPANS (13-14)	CANTIL. FLR. BM. (15)	ANALYSIS CNTRL (16)	SYMMETRICAL (17)	SPAN 1/4 F (18)	SPAN 1/4 I (19)	SPAN 1/4 FEET (20-22)	SPAN 1/4 IN (23-25)	SPAN 1/4 1/16 (26-27)	SPAN 2/5 F (28)	SPAN 2/5 I (29)	SPAN 2/5 FEET (30-32)	SPAN 2/5 IN (33-35)	SPAN 2/5 1/16 (36-37)	SPAN 3/6 F (38)	SPAN 3/6 I (39)	SPAN 3/6 FEET (40-42)	SPAN 3/6 IN (43-45)	SPAN 3/6 1/16 (46-47)	SS RC CSC PSC CPS TMB (48-50)	ALLOWABLE STRESS F_Y psi (51-52)	ALLOWABLE STRESS f'_s ksi (53-54)	ALLOWABLE STRESS f_{bs} #/sq.in. (55-56)	ALLOWABLE STRESS f'_c #/sq.in. (57-58)	ALLOWABLE STRESS f''_c #/sq.in. (59-60)	LIVE LOAD DISTRIB. FACTOR "E" OR "S" IN FEET (61-65)	END FLOOR BEAM (66)	THROUGH (67)	MAXIMUM IMPACT FACTOR X X % INV (68-69)	OP (70-71)	POST (72-73)	SPEC. (74-75)	STIFFENER CODE (76-77)
0,8	300	240	S	01		03						34					42	06				34			RC						.1656								
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							
0,8																																							

DOT - 2359

1.75" SDC WS

$\frac{1.75"}{12} \times 150 = 21.88 \frac{lbs}{ft}$

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

Conc. Parapets

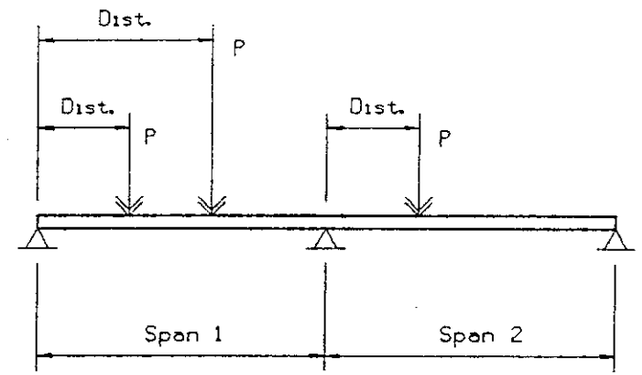
$(2 \times 3.0) \frac{150}{51.51} = 17.48 \frac{lbs}{ft}$

39.36 $\frac{lbs}{ft}$

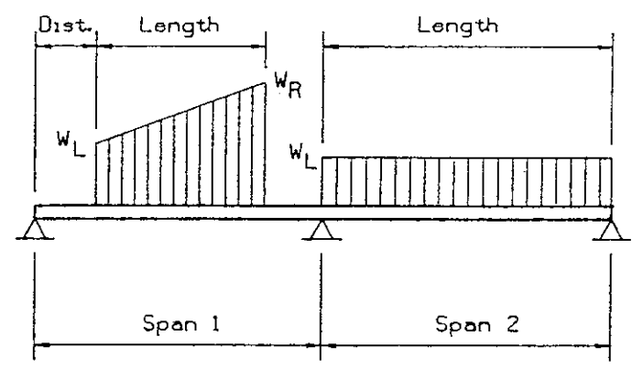
BR - 101 G
(REV. 6 - 1 - 83) BRIDGE ANALYSIS AND RATING SYSTEM INPUT DATA FORM CARD TYPE 10

SUPERIMPOSED DEAD LOADS - GIRDERS, STRINGERS, FLOOR BEAMS

CARD TYPE (1,2)	STRUCTURE GROUP ID (3,4,5)	STRUCTURE NO. (6,7,8)	MEMBER ID G S B (9)	MEMBER ID NO. (10,11)	b × SYMMETRICAL (12)	SPAN NO. (13,14)	(15–21)	DISTANCE FROM LEFT SUPPORT IN SPAN: F I I FEET (22,23,24,25,26,27)	IN (28,29,30)	1/16 (31)	(32)	LOAD TYPE P W V (33)	DISTRIBUTED OR CONCENTRATED LOAD "P" IN KIPS "W" IN LBS/FT: P OR W_L x x x x . v (34,35,36,37,38)	W_R x x x x . v (39,40,41,42,43)	LENGTH (DISTRIBUTED): F I I FEET (44,45,46,47,48,49)	IN (50,51)	1/16 (52,53)
1 0	300	240	501			01						W	50.0			34	
1 0						02						W	50.0			42.06	
1 0						03						W	50.0			34	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	
1 0																	



CONCENTRATED LOADS



DISTRIBUTED LOADS

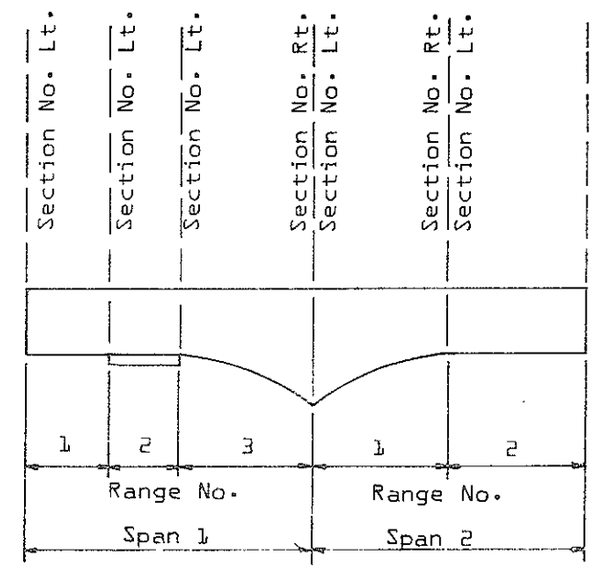
DOT - 2861

ODOT
BR-101H

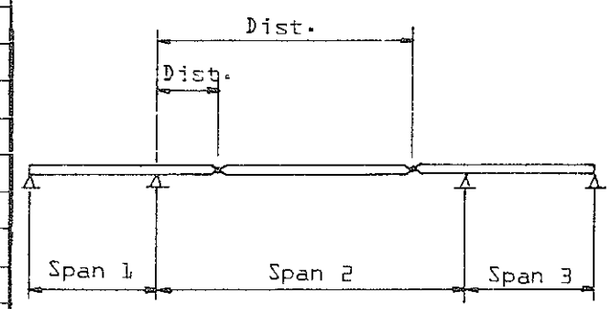
BRIDGE ANALYSIS AND RATING SYSTEM
INPUT DATA FORM

SECTION RANGE SPECIFICATIONS

CARD TYPE (1-2)	STRUCTURE GROUP ID (3-5)	STRUCTURE NO. (6-8)	MEMBER ID G S B (9)	MEMBER ID NO. (10-11)	SYMMETRICAL? (12)	SPAN NO. (13-14)	SECTION RANGE: RANGE NO. (15-16)	RANGE LENGTH F (17)	RANGE LENGTH I (18)	RANGE LENGTH Feet (19-22)	RANGE LENGTH In. (23-24)	RANGE LENGTH 1/16 (25-26)	SEC NO. Lt (27-28)	SEC NO. Rt (29-30)	SEC VAR SPT (31)	SEC VAR TB (32)	HINGE CODE (33)	HINGE LOCATION: FIRST HINGE DISTANCE FROM LEFT F (34)	FIRST HINGE I (35)	FIRST HINGE Feet (36-39)	FIRST HINGE In. (40-41)	FIRST HINGE 1/16 (42-43)	SECOND HINGE DISTANCE FROM LEFT F (44)	SECOND HINGE I (45)	SECOND HINGE Feet (46-49)	SECOND HINGE In. (50-51)	SECOND HINGE 1/16 (52-53)	HYBRID GIRDER: YIELD STRENGTH: BASE SECTION CODE (54)	BASE SECTION F_y {PSI} (55-60)	EXCEPTION CODE (61)	EXCEPTION F_y {PSI} (62-67)
11	300	240	S	01		01	01			29	07		01																		
11							02			4	05		02																		
11						02	01			4	05		02																		
11							02			33	08		01																		
11							03			4	05		02																		
11						03	01			4	05		02																		
11							02			29	07		01																		
11																															
11																															
11																															
11																															
11																															
11																															
11																															
11																															
11																															
11																															
11																															
11																															
11																															



SECTION RANGE



INTERMEDIATE HINGES

REV.
6-30-76

CDC Form No. AA6043

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

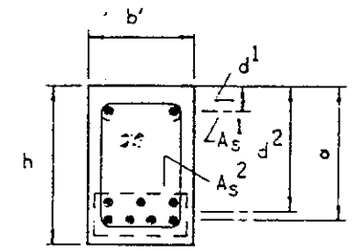
BR - 101 J

(REV. 6 - 1 - 83) BRIDGE ANALYSIS AND RATING SYSTEM INPUT DATA FORM CARD TYPE 13

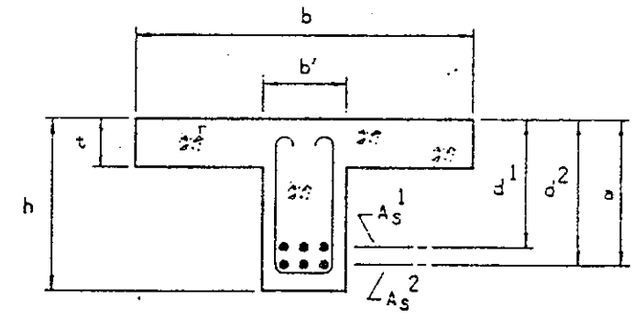
SECTION PROPERTIES (REINFORCED CONCRETE) - GIRDERS, STRINGERS, FLOOR BEAMS

CARD TYPE (1,2)	STRUCTURE GROUP ID (3,4,5)	STRUCTURE NO. (6,7,8)	MEMBER ID GSB (9,10)	MEMBER ID NO. (11)	BOTTOM FLANGE (12)	(13)	SECTION NO. (14,15)	"SAME EXCEPT" (16,17)	ADRS (18)	h in. (19,20,21,22,23)	a in. (24,25,26,27,28)	b in. (29,30,31,32,33)	b' in. (34,35,36,37,38)	t in. (39,40,41,42,43)	i (44,45)	A_s^i in.^{2} (46,47,48,49,50,51)	d^i in. (52,53,54,55,56,57)	COMP CODE (58)
1,3	3.0.0	24.0	S	01			01			1.8..5.0			1.2..0		01	0..220	2..375	
1,3															02	2..258	1.6..615	
1,3							02			1.8..5.0			1.2..0		01	2..540	2..635	
1,3															02	1..129	1.6..615	

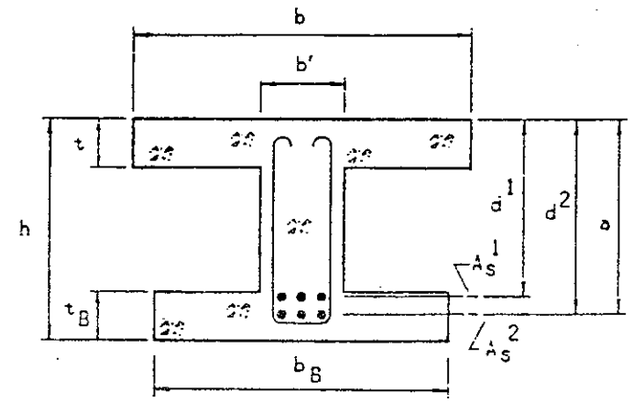
RECTANGULAR BEAM



T - BEAM



I - BEAM



DOT - 2864