

BRIDGE ANALYSIS AND RATING SYSTEM INPUT DATA FORM
CARD TYPE 02, 05 AND 06[illegible]

STRUCTURE LOCATION AND PERMANENT IDENTIFICATION FACTORS																																																																														
CARD TYPE	STRUCTURE		BRIDGE NUMBER (SLM ONLY)	DISTRICT	COUNTY ABBREV.	ORIGINAL CONSTRUCTION INFORMATION			MICROFILM REEL NUMBER		OFFICIAL USE ONLY	KEY ROUTE ID (FEDERAL AID ROUTE NO.)	MARKED ROUTE																																																																	
	GROUP ID	NO.				ROUTE NUMBER	SECTION	STATION	ORIG. DESIGN PLANS	COMPUTATIONS																																																																				
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CARD TYPE	STRUCTURE		ANALYST REMARKS TO BE DUPLICATED IN FORM AND CONTENT ON SUMMARY OF RATING CALCULATIONS	REF.																																																																																
	GROUP ID	NO.																																																																																		
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	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80					
06	3	40	105	1	HOL-62-0793, Bridge over branch of Wolf Creek																																																																															
06				2	Timber slab bridge 15" x 9 3/8" beams																																																																															
06				3	4" asphalt w/b, USED as 1/2 mile section																																																																															
06				4	WALKING STRASS, METAL ROAD																																																																															
06				5	Information taken from bridge inventory and field measurements																																																																															
06	3	40	105	6	SFV: 3801055																																																																															

DEPARTMENT OF TRANSPORTATION

BR - 101 E

(REV. 6 - 1 - 83)

BRIDGE ANALYSIS AND RATING SYSTEM INPUT DATA FORM

CARD TYPE 08

44-25

MEMBER DESCRIPTION SPECIFICATIONS - GIRDER, STRINGER, FLOOR BEAM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
CARD TYPE	STRUCTURE		MEMBER ID	CONTINUE	TOTAL NO. OF SPANS	CANTILL. FLR. BM.	ANALYSIS CTRAL.	SPAN LENGTHS						SS		ALLOWABLE STRESS				LIVE LOAD, DISTRIB. FACTOR "E" OR "S" IN FEET	END FLOOR BEAM THROUGH	MAXIMUM IMPACT FACTOR X X %			STIFFENER CODE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	GROUP ID	NO.						SPAN 1 4	SPAN 2 5		SPAN 3 6		RC	CSC	PSC	CPS	TMB	F _y psi	f' _s ksi			f' _s f' _c f' _c	#/sq.in.	IN FEET		IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN FEET	IN 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0.02/0.02

164

A hand-drawn diagram of a rectangle. The rectangle is oriented vertically. On the left side, there is a double-headed arrow pointing from the top edge to the bottom edge, indicating the height. On the right side, there is a double-headed arrow pointing from the top edge to the bottom edge, also indicating the height. On the top edge, there is a double-headed arrow pointing from the left corner to the right corner, indicating the width. On the bottom edge, there is a double-headed arrow pointing from the left corner to the right corner, also indicating the width. The rectangle is drawn with simple lines, and the arrows are also simple lines with heads at the ends.

$$16 \times \frac{1}{4} * 0.6$$

22

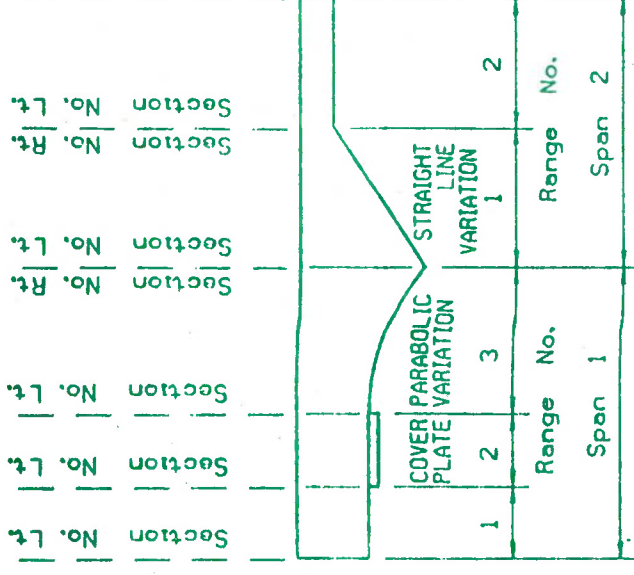
264
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DOT - 2859

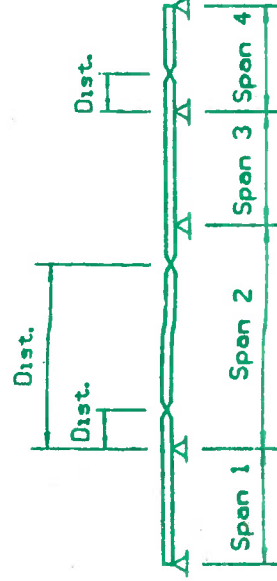
STATE OF OHIO

(REV. 6 - 1 - 83)

CARD TYPE III

[illegible]

SECTION RANGE



INTERMEDIATE HINGES

STATE OF UTAH

(REV. 6 - 1 - 83)

2

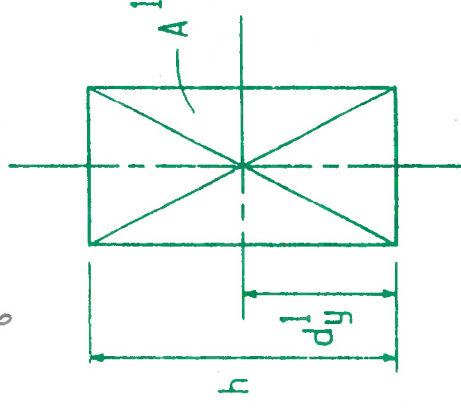
The diagram shows an I-beam cross-section with the following dimensions and labels:

- Flanges:** Labeled 1 (top) and 3 (bottom). Each has width b and thickness t . The area of each flange is $A = bt$.
- Web:** Labeled 2. It has height h and thickness t . The area of the web is $A = th$.
- Centroidal Axes:** The x -axis is horizontal and the y -axis is vertical, passing through the centroid.
- Moments of Inertia:**
 - I_x is the moment of inertia about the horizontal x -axis.
 - I_y is the moment of inertia about the vertical y -axis.
- Distances:**
 - d_y is the distance from the centroidal x -axis to the centroid of the flanges.
 - d_x is the distance from the centroidal y -axis to the centroid of the web.

Handwritten calculations for the area and moment of inertia are shown to the right of the diagram:

$$A = bt$$

$$I = \frac{bh^3}{12}$$

$$S = \frac{bh^2}{6}$$
$$A = 64$$
$$I = \frac{64^3}{12}$$
$$S = \frac{64^2}{6}$$


DETAILED DESCRIPTION