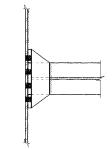
ROUTE NO.	SECTION	COLATY		SHEETS	NO.
TR 373	*	Vermilion		19	12
PEG. R040 D16T	. ND, 7	JULINOTS	FEG. AID PROJECT		

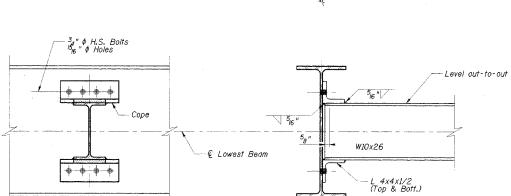
*02-04130-00-BR

INTERIOR	GIRDEF	R MOMENT TABLE
		0.5 Span
Is	(in 4)	<i>1830</i>
Ic (n)	(In 4)	5952
Ic (3n)	(In ®	4358
Ss	(In 3)	154
Sc (n)	(in 3)	253
Sc (3n)	(in 3)	227
Q.	(K/f1.)	0.631
М	('K)	150
s 4.	(K/ft.)	.128
Ms €	('K)	30
MŁ	('K)	222
M (Imp)	('K)	66
53(M4+1)	('K)	479
Ма	(K)	857
fs@non-comp	(k.s.i.)	11.67
fs@(comp)	(k.s.i.)	1.61
fs53(4+1)	(k.s.i.)	22.75
fs (Overload)	(k.s.i.)	36.03
ts (Total)	(k.s.i.)	46.83
VR.	(K)	31.63

Note: Two hardened washers shall be required over all oversize holes for diaphragms.

		€ Abut. 1	€ Abut. 2
R₽	(K)	17.56	17.56
RŁ	(K)	25.94	25.94
Imp.	(K)	7.69	7.69
R (Total)	(K)	51.19	51.19





Is and Ss are the moment of inertia and section modulus of the steel section used in computing fs (Total & Overload).

Ic(n) and Sc(n) are the moment of inertia and section modulus used in computing stresses due to live load.

Ic(3n) and Sc(3n) are the moment of inertia and section modulus of the composite section due to superimposed dead loads.

VR is the maximum Live Load + Impact shear range in span.

Z is the plastic section modulus used to determine the Fully Plastic Moments in the non-composite ares.

The Plastic Moment Capacity (Mu) is computed according to AASHTO 10.48.1 & 10.50.11.

M - Moment due to dead loads on non-composite section.

M - Moment due to love loads on non-composite section.

M(Imp) - Moment due to live load impact on non-composite or composite section.

Ma (Applied Moment)=1.3[M_Q + Ms_Q + 5₃(M + 1)].

fs (Overload) is the sum of the stresses due to M_Q + Ms_Q + 5₃(M + 1).

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DR K.J. Hoffmann						FRAUENHOFFER
снк _{К.Е.} Brandau						Frauenhoffer and Associates, P.C. Consulting Engineers
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