

דאודידיידידא		DER MOMENT TABLE
INIERI	UR GIF	
T _	1:- 41	0.5 Span
Is	(in ⁴)	1480
Ic (n)	(in4)	4829
Ic (3n)	(in4)	3617
Ss	(in3)	140
Sc (n)	(in ³)	227
Sc (3n)	(in ³)	204
Ζ	(in ³)	- 160
DC1	(k/')	0.61
M DC1	('k)	91.2
DC2	(k/')	0.41
M DC2	('k)	61.3
DW	(k/')	0.27
M DW	('k)	40.4
M 4+Imp	('k)	364
Mu (Strength I)	('k)	888
φf Mn, φr Mnc	('k)	1258
fs DC1	(ksi)	7.8
fs DC2	(ksi)	3.6
fs DW	(ksi)	2.4
fs 1.3(4+1)	(ksi)	25.0
fs (Service II)	(ksi)	38.8
fs (Total)(Strength I)	(ksi)	51.5
Vf	(k)	51.4

Is and Ss are the moment of inertia and section modulus of the steel section used in computing fs due to noncomposite loads.

Ic(n) and Sc(n) are the moment of inertia and section modulus of the composite section used in computing fs due to short-term composite loads.

Ic(3n) and Sc(3n) are the moment of inertia and section modulus of the composite section used in computing fs due to long-term composite loads.

Z is the plastic section modulus used to determine the fully plastic moments in the non-composite areas.

DC1 is the dead load acting on the non-composite section.

DC2 is the dead load acting on the long-term composite section.

DW is the dead load acting on the long-term composite section due to wearing surface.

Mu (Strength I)=1.25 M(DC1+DC2)+1.5 M DW +1.75 M(++Imp) \$ Mn is the Compact positive moment capacity computed in accordance with 6.10.7.1.

fs (Service II) is the sum of the stresses due to DC1+DC2+DW+1,3(4+Imp)

fs (Total) (Strength 1) (Non-Compact Section) is the sum of

the stresses due to 1.25(DC1+DC2)+1.5DW+1.75(L+Imp)

Vf is the maximum shear range computed in accordance with Article 6.10.10

	HL93	Loading
		Abutment
R DC1	(k)	10.7
R DC2	(k)	7.0
R DW	(k)	4.7
R Ł+Imp	(k)	55.5
R Total	(k)	77.9

DATE: FILEN

\triangle		
\triangle		
REV. NO.	DATE	