



TABLE OF MOMENTS & REACTIONS - TYP. INTERIOR GIRDER

	MOMENTS (FT. KIPS)				REACTIONS (KIPS)			
	4SPAN1	PIERS 1 OR 20	5SPAN2	PIERS 2 OR 21	ABUT'S A OR C	PIERS 1 OR 20	PIERS 2 OR 21	PIERS 3 OR 22
DEAD LOAD	1073	-2507	933	-2337	933	-2307	1073	52.9
LIVE LOAD	1073	-1440	1055	-1905	1055	-1440	1073	46.9
IMPACT	212	-281	195	-278	195	-281	212	9.7
TOTAL	2358	-4228	2203	-4520	2203	-4723	2358	109.5

NOTE 'A':
INTERMEDIATE STIFF. - $6 \times 3/8$ (N.S. & F.S.), EXCEPT AT CROSSFRAMES & AS NOTED OTHERWISE ON GIRDER ELEVATION. FOR STIFF. R'S AT CROSSFRAMES, SEE TYP. CROSSFRAME DETAILS; GH. 16. FOR DETAIL OF INTERMEDIATE STIFF. R'S OTHER THAN AT CROSSFRAMES, SEE DETAIL 'A', GH. 16. FOR DETAIL OF STIFF. R'S AT BEARINGS, SEE GH. 16.

NOTE 'B':
ALL STIFFENER R'S TO BE WELDED AT RIGHT ANGLES TO WEB & FLANGES OF GIRDER.

NOTES:

- FOR STRUCTURAL STEEL DESIGNATION, SEE 'GENERAL NOTES', GH. 3.
- FOR TABLE 'TOP OF GIRDER WEB ϵ ELEVATIONS', SEE GH. 16.
- FOR CROSSFRAME DETAILS, SEE GH. 16.
- FOR FIELD SPLICE DETAILS, SEE GH. 16.
- FOR BOT. LATERAL BRACING CONN. DETAILS 'A' & 'B', SEE GH. 16.
- FOR DETAIL OF CONDUIT SUPPORT BRACKETS, SEE GH. 20.

BILL OF MATERIAL *

ITEM	UNIT	QUANTITY
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1,407,993

* INCLUDES ALL STRUCTURAL STEEL SHOWN ON THIS SHEET AND SHEET 16.

ILLINOIS DIVISION OF HIGHWAYS
SOUTHWEST EXPRESSWAY
LAWDALE AVE. OVER DES PLAINES RIVER
FRAMING PLAN AND GIRDER DETAILS

SCALE: AS NOTED DATE

X:\100005\10093\Eng_Docs_Phase_11\SN_016_0483_0995_1st_Ave.cover_Des_Plaines_River_Final\0160483_60J16_052_existplan6.dgn 2:44:28 PM 6/23/2014