

		0.4 Span 1 or 0.6 Span 3	Pier 1 or Pier 2	0.5 Span 2
Is	(in4)	19,898	49,796	17,341
Ic (n)	(in4)	52,920		43,249
Ic (3n)	(in4)	36,873		31,108
Ic (cr)	(in4)		54,445	
Ss	(in3)	1,177	2,214	916
Sc (n)	(in3)	1,567		1,221
Sc (3n)	(in3)	1,439		1,121
Sc (cr)	(in3)		2,280	
DC1	(k/ft)	0.931	1.113	0.898
M DC1	(k-ft)	1.074	2.611	625
DC2	(k/ft)	0.205	0.205	0.205
M DC2	(k-ft)	185	498	175
DW	(k/ft)	0.240	0.240	0.240
M DW	(k-ft)	217	583	205
M LL+IM	(k-ft)	1,703	2,248	1,592
Mu (Strength I)	(k-ft)	4,880	8,695	4,094
φf Mn	(k-ft)	7,001		5,829
fs DC1	(ksi)	11.0	14.2	8.2
fs DC2	(ksi)	1.5	2.6	1.9
fs DW	(ksi)	1.8	3.1	2.2
fs LL+IM	(ksi)	13.0	11.8	15.6
fs (Service II)	(ksi)	31.3	35.2	32.6
0.95 Rh Fyf	(ksi)	47.5	47.5	47.5
fs Total (Strength I)	(ksi)	41.2	46.3	43.2
φf Fn	(ksi)		50.0	
Vf	(k)	57.7	55.9	

		0.4 Span 1 or 0.6 Span 3	Pier 1 or Pier 2	0.5 Span 2
Is	(in4)	19,898	49,796	17,341
Ic (n)	(in4)	54,034		44,154
Ic (3n)	(in4)	37,766		31,883
Ic (cr)	(in4)		54,807	
Ss	(in3)	1,177	2,214	916
Sc (n)	(in3)	1,574		1,227
Sc (3n)	(in3)	1,449		1,129
Sc (cr)	(in3)		2,285	
DC1	(k/ft)	0.917	1.104	0.889
M DC1	(k-ft)	814	2,354	630
DC2	(k/ft)	0.205	0.205	0.205
M DC2	(k-ft)	191	484	165
DW	(k/ft)	0.240	0.240	0.240
M DW	(k-ft)	223	566	193
M LL+IM	(k-ft)	1,644	2,109	1,483
Mu (Strength I)	(k-ft)	4,468	8,087	3,879
φf Mn	(k-ft)	7,260		5,889
fs DC1	(ksi)	8.3	12.8	8.3
fs DC2	(ksi)	1.6	2.5	1.8
fs DW	(ksi)	1.8	3.0	2.1
fs LL+IM	(ksi)	12.5	11.1	14.5
fs (Service II)	(ksi)	28.0	32.7	30.9
0.95 Rh Fyf	(ksi)	47.5	47.5	47.5
fs Total (Strength I)	(ksi)	37.1	43.0	41.0
φf Fn	(ksi)		50.0	
Vf	(k)	65.6	64.3	

		0.4 Span 1 or 0.6 Span 3	Pier 1 or Pier 2	0.5 Span 2
Is	(in4)	19,898	49,796	17,341
Ic (n)	(in4)	54,034		44,154
Ic (3n)	(in4)	37,766		31,883
Ic (cr)	(in4)		54,807	
Ss	(in3)	1,177	2,214	916
Sc (n)	(in3)	1,574		1,227
Sc (3n)	(in3)	1,449		1,129
Sc (cr)	(in3)		2,285	
DC1	(k/ft)	0.917	1.104	0.889
M DC1	(k-ft)	839	2,292	578
DC2	(k/ft)	0.205	0.205	0.205
M DC2	(k-ft)	196	471	153
DW	(k/ft)	0.240	0.240	0.240
M DW	(k-ft)	229	551	179
M LL+IM	(k-ft)	1,641	2,081	1,455
Mu (Strength I)	(k-ft)	4,509	7,922	3,729
φf Mn	(k-ft)	7,260		5,889
fs DC1	(ksi)	8.6	12.4	7.6
fs DC2	(ksi)	1.6	2.5	1.6
fs DW	(ksi)	1.9	2.9	1.9
fs LL+IM	(ksi)	12.5	10.9	14.2
fs (Service II)	(ksi)	28.3	32.0	29.6
0.95 Rh Fyf	(ksi)	47.5	47.5	47.5
fs Total (Strength I)	(ksi)	37.5	42.1	39.2
φf Fn	(ksi)		50.0	
Vf	(k)	65.4	64.6	

		0.4 Span 1 or 0.6 Span 3	Pier 1 or Pier 2	0.5 Span 2
Is	(in4)	19,898	40,458	17,341
Ic (n)	(in4)	54,034		44,154
Ic (3n)	(in4)	37,766		31,883
Ic (cr)	(in4)		45,405	
Ss	(in3)	1,177	1,795	916
Sc (n)	(in3)	1,574		1,227
Sc (3n)	(in3)	1,449		1,129
Sc (cr)	(in3)		1,869	
DC1	(k/ft)	0.917	1.039	0.889
M DC1	(k-ft)	895	2,119	591
DC2	(k/ft)	0.205	0.205	0.205
M DC2	(k-ft)	207	444	155
DW	(k/ft)	0.240	0.240	0.240
M DW	(k-ft)	242	520	182
M LL+IM	(k-ft)	1,654	1,971	1,463
Mu (Strength I)	(k-ft)	4,635	7,433	3,766
φf Mn	(k-ft)	7,260		5,889
fs DC1	(ksi)	9.1	14.2	7.7
fs DC2	(ksi)	1.7	2.9	1.6
fs DW	(ksi)	2.0	3.3	1.9
fs LL+IM	(ksi)	12.6	12.7	14.3
fs (Service II)	(ksi)	29.2	36.8	29.9
0.95 Rh Fyf	(ksi)	47.5	47.5	47.5
fs Total (Strength I)	(ksi)	38.6	48.4	39.7
φf Fn	(ksi)		50.0	
Vf	(k)	65.0	64.4	

		0.4 Span 1 or 0.6 Span 3	Pier 1 or Pier 2	0.5 Span 2
Is	(in4)	19,898	40,458	17,341
Ic (n)	(in4)	54,034		44,154
Ic (3n)	(in4)	37,766		31,883
Ic (cr)	(in4)		45,405	
Ss	(in3)	1,177	1,795	916
Sc (n)	(in3)	1,574		1,227
Sc (3n)	(in3)	1,449		1,129
Sc (cr)	(in3)		1,869	
DC1	(k/ft)	0.917	1.039	0.889
M DC1	(k-ft)	917	2,063	539
DC2	(k/ft)	0.205	0.205	0.205
M DC2	(k-ft)	212	432	143
DW	(k/ft)	0.240	0.240	0.240
M DW	(k-ft)	248	506	168
M LL+IM	(k-ft)	1,650	1,944	1,434
Mu (Strength I)	(k-ft)	4,671	7,280	3,614
φf Mn	(k-ft)	7,260		5,889
fs DC1	(ksi)	9.4	13.8	7.1
fs DC2	(ksi)	1.8	2.8	1.5
fs DW	(ksi)	2.1	3.2	1.8
fs LL+IM	(ksi)	12.6	12.5	14.0
fs (Service II)	(ksi)	29.5	36.0	28.6
0.95 Rh Fyf	(ksi)	47.5	47.5	47.5
fs Total (Strength I)	(ksi)	39.0	47.4	37.9
φf Fn	(ksi)		50.0	
Vf	(k)	64.8	64.6	

		0.4 Span 1 or 0.6 Span 3	Pier 1 or Pier 2	0.5 Span 2
Is	(in4)	19,898	40,458	17,341
Ic (n)	(in4)	54,034		44,154
Ic (3n)	(in4)	37,766		31,883
Ic (cr)	(in4)		45,405	
Ss	(in3)	1,177	1,795	916
Sc (n)	(in3)	1,574		1,227
Sc (3n)	(in3)	1,449		1,129
Sc (cr)	(in3)		1,869	
DC1	(k/ft)	0.917	1.039	0.889
M DC1	(k-ft)	939	2,009	487
DC2	(k/ft)	0.205	0.205	0.205
M DC2	(k-ft)	216	420	132
DW	(k/ft)	0.240	0.240	0.240
M DW	(k-ft)	253	492	154
M LL+IM	(k-ft)	1,647	1,916	1,404
Mu (Strength I)	(k-ft)	4,706	7,127	3,462
φf Mn	(k-ft)	7,260		5,889
fs DC1	(ksi)	9.6	13.4	6.4
fs DC2	(ksi)	1.8	2.7	1.4
fs DW	(ksi)	2.1	3.2	1.6
fs LL+IM	(ksi)	12.6	12.3	13.7
fs (Service II)	(ksi)	29.8	35.3	27.3
0.95 Rh Fyf	(ksi)	47.5	47.5	47.5
fs Total (Strength I)	(ksi)	39.3	46.4	36.2
φf Fn	(ksi)		50.0	
Vf	(k)	64.5	63.4	

		0.4 Span 1 or 0.6 Span 3	Pier 1 or Pier 2	0.5 Span 2
Is	(in4)	19,898	40,458	17,341
Ic (n)	(in4)	54,034		44,154
Ic (3n)	(in4)	37,766		31,883
Ic (cr)	(in4)		45,405	
Ss	(in3)	1,177	1,795	916
Sc (n)	(in3)	1,574		1,227
Sc (3n)	(in3)	1,449		1,129
Sc (cr)	(in3)		1,869	
DC1	(k/ft)	0.917	1.039	0.889
M DC1	(k-ft)	960	1,957	436
DC2	(k/ft)	0.205	0.205	0.205
M DC2	(k-ft)	221	409	120
DW	(k/ft)	0.240	0.240	0.240
M DW	(k-ft)	258	479	140
M LL+IM	(k-ft)	1,643	1,891	1,375
Mu (Strength I)	(k-ft)	4,739	6,985	3,311
φf Mn	(k-ft)	7,260		5,889
fs DC1	(ksi)	9.8	13.1	5.7
fs DC2	(ksi)	1.8	2.6	1.3
fs DW	(ksi)	2.1	3.1	1.5
fs LL+IM	(ksi)	12.5	12.1	13.4
fs (Service II)	(ksi)	30.0	34.6	26.0
0.95 Rh Fyf	(ksi)	47.5	47.5	47.5
fs Total (Strength I)	(ksi)	39.7	45.5	34.5
φf Fn	(ksi)		50.0	
Vf	(k)	64.2	62.2	

		0.4 Span 1 or 0.6 Span 3	Pier 1 or Pier 2	0.5 Span 2
Is	(in4)	19,898	40,458	17,341
Ic (n)	(in4)	54,034		44,154
Ic (3n)	(in4)	37,766		31,883
Ic (cr)	(in4)		45,405	
Ss	(in3)	1,177	1,795	916
Sc (n)	(in3)	1,574		1,227
Sc (3n)	(in3)	1,449		1,129
Sc (cr)	(in3)		1,869	
DC1	(k/ft)	0.917	1.039	0.889
M DC1	(k-ft)	980	1,907	385
DC2	(k/ft)	0.205	0.205	0.205
M DC2	(k-ft)	225	399	108
DW	(k/ft)	0.240	0.240	0.240
M DW	(k-ft)	263	467	127
M LL+IM	(k-ft)	1,640	1,865	1,346
Mu (Strength I)	(k-ft)	4,771	6,847	3,162
φf Mn	(k-ft)	7,260		5,889
fs DC1	(ksi)	10.0	12.7	5.0
fs DC2	(ksi)	1.9	2.6	1.1
fs DW	(ksi)	2.2	3.0	1.3
fs LL+IM	(ksi)	12.5	12.0	13.2
fs (Service II)	(ksi)	30.3	33.9	24.7
0.95 Rh Fyf	(ksi)	47.5	47.5	47.5
fs Total (Strength I)	(ksi)	40.0	44.6	32.8
φf Fn	(ksi)		50.0	
Vf	(k)	63.9	62.5	

0820229 CONN-10-001 CE DCN - 0820216 CONN-PR-001 RD DCN
 5-11-2017 9:55:41
 N:\S\084\KAY\BULL ID TRANS.07.2202\208568_001\STRUCT\LOAD\01 DESIGN\0820229\5-SHEET\0820229-CONN-10-001-SHT-00.DGN

FILE NAME =
 #FILE#
TENG TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

USER NAME = #USER#
 DESIGNED - CCE
 DRAWN - CCE
 CHECKED - JLR
 DATE - 05/13/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

PLOT SCALE = #SCALE#
 PLOT DATE = #DATE#

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 IL 3 OVER
 TRRA & ST. CLAIR AVENUE

GIRDER TABLES
1 OF 2

SCALE: SHEET NO. SB-25 OF SB-63 STA. 1679+16.65 TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	B2-2-1HVB-1	ST. CLAIR	345	217
SN 082-0329		CONTRACT NO. 76D05		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				