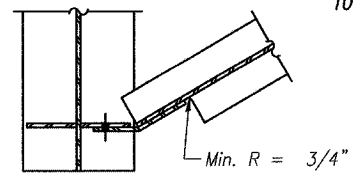
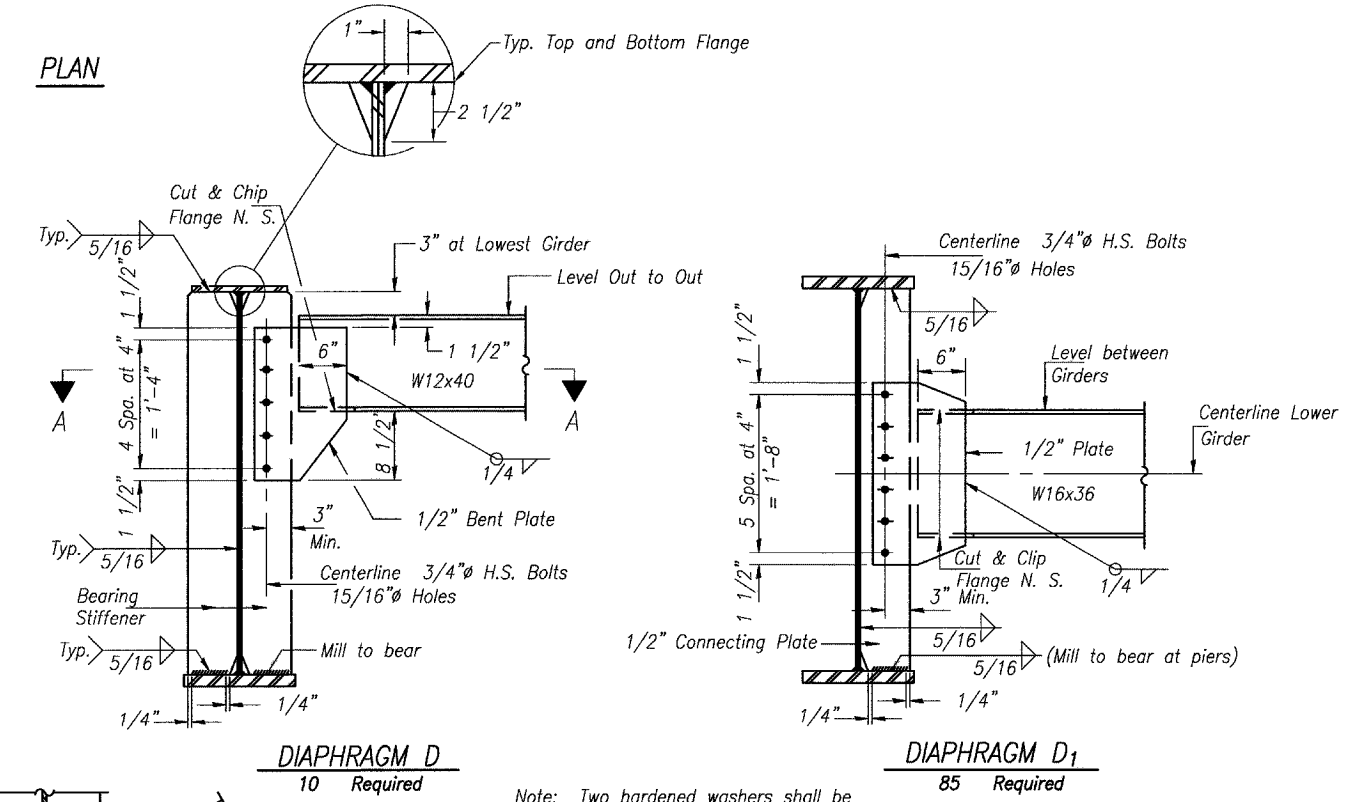


	0.4 Sp. 1 0.6 Sp. 4	Pier 1&3	0.5 Sp. 2 0.5 Sp. 3	Pier 2
I_s	14332	27736	14332	27736
$I_c (n)$	37480	-	37480	-
$I_c (3n)$	27670	-	27670	-
S_s	650.1	1174.0	650.1	1174.0
$S_c (n)$	925.7	-	925.7	-
$S_c (3n)$	845.1	-	845.1	-
\bar{D}	0.893	1.370	0.908	1.370
$M\bar{D}$	402.0	-1486.2	351.0	-1503.0
$s\bar{D}$	0.469	-	0.469	-
$Ms\bar{D}$	241.7	-	238.0	-
$M\bar{L}$	1207.1	-1118.3	1281.2	-1215.5
$M (Imp)$	284.9	-250.5	272.9	-258.9
$5_3[M\bar{L} + M(Imp)]$	1492.0	-1368.8	1554.1	-1474.4
M_a	2776.4	-3711.5	2786.0	-3849.6
M_u	4277.2	-	4830.2	-
$fs\bar{D} (non-comp)$	7.42	15.19	6.47	15.36
$fs\bar{D} (comp)$	3.43	-	3.38	-
$fs 5_3(\bar{L} + Imp)$	19.34	13.99	20.15	15.07
$fs (Overload)$	30.20	29.18	30.00	30.43
$fs (Total)$	-	37.94	-	39.56
VR	64	-	67	-

	South Abut. Pier 4	Pier 1 & 3	Pier 2
$R\bar{D}$	41.8	151.3	151.1
$R\bar{L}$	47.3	68.3	70.8
$Imp.$	11.1	15.3	15.1
$R (Total)$	100.2	234.9	237.0

I_s and S_s are the moment of inertia and section modulus of the steel section used in computing f_s (Total & Overload).
 $I_c(n)$ and $S_c(n)$ are the moment of inertia and section modulus of the composite section used in computing stresses due to Live Load.
 $I_c(3n)$ and $S_c(3n)$ are the moment of inertia and section modulus of the composite section used in computing stresses due to superimposed dead loads. (see AASHTO 10.38)
 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 areas.
 M_a (Applied Moment) = $1.3[M\bar{D} + Ms\bar{D} + 5_3(M\bar{L} + M(Imp))]$.
 The Plastic Moment capacity (M_u) is computed according to AASHTO 10.48.1 and 10.50.1.1.
 f_s (Overload) is the sum of the stresses due to $M\bar{D} + Ms\bar{D} + 5_3(M\bar{L} + M(Imp))$.
 f_s (Total) (Non-compact section) is the sum of the stresses due to $1.3[M\bar{D} + Ms\bar{D} + 5_3(M\bar{L} + M(Imp))]$.

Note:
 All plate girder material including bearing stiffeners and splice plates (except fill plates) shall be AASHTO M270 Grade 50.



Note: Two hardened washers shall be required over all oversized holes.

FRAMING PLAN - UNIT #1
 FAS 259 C.H. 3
 OVER FOX RIVER
 LA SALLE COUNTY
 STA. 20+15.00
 STRUCTURE NO. 050-3562

DRAWN BY: ARR	CAD: GIRDER1	REVISIONS		SCALE: AS NOTED	SHEET 39
		DATE	BY		
CHECKED BY: JKC	DATE: 02/03	3/08/04	NET	FILE NO.: 11174.01Y-1	OF 79