

\$PLOT_INFO\$

	B-509-SB			
	DESIGN DATA:			
	AASHTD, Ninth Edition LRFD, 2020			
	Design Method:	Load and Res (for sister be	sistance Factor Design aam)	
l	Live Load:	HL-93 (design truck or tandem, and design lane load) Assumes 36 psf for bridge deck overlay	n truck or tandem,	
	Dead Load:		psf ck overlay	
vn	Structural Steel:	AASHTO M27	0 Grade 50	
shim		(ASTM A500	Grade C)	
shim		fy = 50,00)0 psi 	
arina block	Note to Designer & Detailer:			
a hig block. bug fit eated / be used . All field treated per	This sheet is for a timber bridge with nominal I span lengths of 23'.			
	To change to a bridge with nominal span I length of 19':			
3.06	I-Change HSS12x6x ³ / ₈ x 24'-0" to HSS12x6x I ³ / ₈ x 20'-0" in the Partial Plan I-Change the HSS10x6x ⁵ / ₆ bearing block to a I HSS10x4x ⁵ / ₆ in the End Section I-Change shims to 4x10" I-Change the quantity in the Information Only			
sote and other	I table to 1224 Lb per beam.			
s is considered a safety critical procedure. All relevant safety				
and cross bracing lumber.				
stringer 1C, 1F, 1G, 1H, 1L, 2C, 2F, 2J, 3C, 3F, and 3J.				
timber stringer at midspan and place the all-thread rod through ringer. Add plate washers, washers, and nuts. Tighten nuts to snug				
ig block. Field cut to a snug fit between timber stringers. Add steel onal $ /_8"$ steel shims above the bearing block until the member is the ends of the steel member and place an additional $ /_8"$ steel shim in end.				
ominal 4"x4" Select Structural No. 2 lumber horizontal diaphragm. the timber stringers and connect nailing each end with two 30d nails or 4" deck screws.				
cut to a snug fit between the timber stringer and steelmember, with two 30d nails or 4" deck screws. The replacement of timber Abutment. Replacement diaphragms may utilize existing material, must be followed.				
gms connection hardware, steel quantities, and installation shall be uctural Steel (Galvanized).				
f 2'-1''.				
d protects stringers that are not split. If a stringer with a split is beam is not to be placed at the wheelline stringer. split or lag screw repair. This avoids conflicts with the Type 10 sues are addressed.				
TIMBER STRINGER REPAIR		Project No./Code		
STEEL	SISTER BEAN	Λ	Project Number	
gner: XXXX	XXXX Structure	X-XX-XX	Code	
iler: XXXX	XXXX Numbers	X-XX-XX		
t Subset: BR	IDGE Subset Sheets:	BXX of XXX	Sneet Number	