





• AFTER FLOODING •

PROBLEM	SUGGESTIONS		EXAMPLE IMAGES
	DO:	DO NOT:	
Severe erosion around the substructure elements.	<ul style="list-style-type: none"> ● Add riprap to embankment for stabilization and erosion correction. ● Notify TxDOT Area Engineer, TxDOT District Bridge Engineer, or structural engineer consultant for erosion that has extended below the existing at-grade line. 	<ul style="list-style-type: none"> ● Build berms on the upstream side of the bridge as it traps debris and in the event of future flooding it may erode or may further damage the bridge. ● Backfill to compensate for erosion that has extended below the existing at-grade line. Backfill is susceptible to collapse and further erosion when saturated. 	 <p>EROSION AT BRIDGE ABUTMENT</p>
Instability of substructure members due to scour/erosion.	<ul style="list-style-type: none"> ● Notify TxDOT Area Engineer, TxDOT District Bridge Engineer, or structural engineer consultant to determine if the bridge should be closed. 	<ul style="list-style-type: none"> ● Backfill to compensate for erosion that has extended below the existing at-grade line. Backfill is susceptible to collapse and further erosion when saturated. ● Bolt or weld any members to the substructure. This can further compromise the bridge's stability. 	 <p>SEVERE EROSION AT BRIDGE BENT</p>
Debris caught on the substructure and lower truss members.	<ul style="list-style-type: none"> ● Remove debris to prevent scour around substructure. ● Clean lower truss members, connections, and bearings with high pressure water spray. 	<ul style="list-style-type: none"> ● Attempt to straighten or repair impacted members as it can result in subsequent fracturing of members, particularly when members were previously heat-straightened. ● Allow debris to remain as it can cause corrosion and weakening of members. 	 <p>DEBRIS CAUGHT ON TRUSS MEMBERS AND BETWEEN THE STRINGERS</p>

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PROBLEM	SUGGESTIONS		EXAMPLE IMAGES
	DO:	DO NOT:	
Debris on the upstream side of the bridge.	<ul style="list-style-type: none"> • Remove debris, if possible. 	<ul style="list-style-type: none"> • Do not allow debris to remain as it increases the velocity of water on substructure members and can increase scour at the base of the substructure supports. 	 <p>DEBRIS ON THE UPSTREAM SIDE OF THE BRIDGE</p>