

COUNTY SCOUR & CHANNEL PROFILE

North Dakota Department of Transportation, Bridge Division
SFN 50344 (Rev. 09-2008)

Structure Number	Date	Inspector (name)
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STREAM CROSS SECTIONS

NOTE: Stream profile is to be taken on both sides of the bridge. Check appropriate directions.

Profile 1 taken on <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W side of bridge, from <input type="checkbox"/> N to S <input type="checkbox"/> W to E
Measurements taken from top of <input type="checkbox"/> Curb <input type="checkbox"/> Rail <input type="checkbox"/> Deck
Measurements taken at _____ intervals. (ft.)
Measurements are as follows:
Profile 2 taken on <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W side of bridge, from <input type="checkbox"/> N to S <input type="checkbox"/> W to E
Measurements taken from top of <input type="checkbox"/> Curb <input type="checkbox"/> Rail <input type="checkbox"/> Deck
Measurements taken at _____ intervals. (ft.)
Measurements are as follows:

EVIDENCE OF SCOUR AT BRIDGE	Yes	No	NA	EXISTING CHANNEL CONDITION	Yes	No	NA
Channel slopes washing or sloughing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are channel banks up and downstream of bridge stable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scour holes near abutments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the channel degrading/aggrading up or downstream?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scour holes near piers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the structure on a channel change?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bed deposits downstream	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are there lakes, reservoirs, dams, etc., near the crossing?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposure of footings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the channel appear to be moving laterally in the area of the bridge?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debris collection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Riprap (if any) displaced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

NOTE: Take pictures or draw sketches of any and all factors contributing to scour or movement of the channel or streambed. Some factors are, but are not limited to, inadequate waterway area, ice jams/flows, debris, and channel/structures alignment. Give scour hole dimensions.

Enter any remarks or explanations for the above items below. Use an additional page, if necessary.