COUNTY SCOUR & CHANNEL PROFILE

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

Structure Number	Date	Inspector (name)

STREAM CROSS SECTIONS

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

Profile 1 taken on ☐ N ☐ S ☐ E ☐ W side of bridge, from ☐ N to S ☐ W to E
Measurements taken from top of ☐ Curb ☐ Rail ☐ Deck
Measurements taken at _____ intervals. (ft.)
Measurements are as follows:
Profile 2 taken on ☐ N ☐ S ☐ E ☐ W side of bridge, from ☐ N to S ☐ W to E
Measurements taken from top of ☐ Curb ☐ Rail ☐ 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	☐	☐	☐	Are channel banks up and downstream of bridge stable?	☐	☐	☐
Scour holes near abutments	☐	☐	☐				
Scour holes near piers	☐	☐	☐	Is the channel degrading/aggrading up or downstream?	☐	☐	☐
Bed deposits downstream	☐	☐	☐				
Exposure of footings	☐	☐	☐	Is the structure on a channel change?	☐	☐	☐
Debris collection	☐	☐	☐	Are there lakes, reservoirs, dams, etc., near the crossing?	☐	☐	☐
Riprap (if any) displaced	☐	☐	☐				
	☐	☐	☐	Does the channel appear to be moving laterally in the area of the bridge?	☐	☐	☐
	☐	☐	☐				

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.