

UNDERWATER DIVE INSPECTION FIELD REPORT

Revised May 5, 2005

BridgeNo	2708	DiveID:	5053	Feature On Struc:	MCNEIL ROAD
Town1:	Fryeburg	Feature Under Struc:	OLD COURSE SACO RIVER		
Town2:		Region:	1		
Bridge Name:	RED IRON				
Location:	2.2 MI N OF FISH STREET				

Tidal: (Y/N) No		Tide Information:	
Dive Entry Loc:	DS lft.	Photos	stills & video
Comments/ Haz.:	Minor debris-branches against piles-large fallen trees upstream		
STREAMBED/Comp Material:	Mixed sand & mud silt. Gravel, fist size stones. Conc. pieces from deck.		

CHANNEL DESCRIPTION / CONDITION:

Bottom fairly level. Channel is straight thru bridge.

STRUCTURE DESCRIPTION / CONDITION:

1997: Steel piles covered w/rust nodules, heavily-approx. quarter and a half dollar-sized and up to 3/4" thick- nodules were 3/16"+- pitting-deterioration continues below mud line several inches. Flange thicknesses vary 1/4" +/- to full thickness slightly jagged and rounded edges. Piles in good condition above horizontal cross brace. 2002: Streambed to 4' up heavily coated nodules 1/2" to 1" thick, two piles on each end battered.

2010: H-pile pier bent continues to deteriorate below horiz. Cross brace(at waterline). Heavy thick rust nodules reveal deep pitting. Solid rust layer on bottom half of u/w portion near mudline leave thin flanges - down to 1/8". Substruct. rating should be 4. Move to 24 mo. cycle.

2012: NO MAJOR CHANGES - VERY THIN
FLANGES JUST UNDER HORIZ. CROSS BRACE.
REMAINDER OF H-PILE HAS HEAVY THICK
RUST NODULES WITH DEEP PITTING WHEN
REMOVED. CAN DISTORT METAL WITH HAMMER
BLOW.

INSPECTION TEAM:

EDWARDS	TLD		
MERRITHEW	SD		
HANNUM	SD		
WATHEN	SD		

TL =Team Leader, D=Diver, SD =Safety Diver, T=Tender

DIVE CONDITIONS:

3:35	Time: Entry:	10:00
4:00	Time: Exit:	10:40
54	Water Temp:	55
5	Visibility:(ft.):	4
6	Max Depth:(ft.):	6
MOD	Current:	moderate
RAIN	Weather:	cloudy

INSPECTION DATE 0 5 0 8 2 0 1 2

Signature Carl Edwards

Channel Condition: 7 ✓

Substruc/Culvert Condition: 4 ✓

THIN FLANGES