

BRIDGE FACTS-I-93 BRIDGES OVER WINNIPESAUKEE RIVER & NHRR
RED-LISTED DUE TO POOR CONDITION OF EXISTING BRIDGE DECKS

PROJECTS: NORTHFIELD-TILTON BRIDGE REHABILITATION (SP#16147)
SCOUR COUNTERMEASURES (SP#14744A)

NORTHBOUND BRIDGE (118/158)

LENGTH = 328' (+/-)
SPANS = 4 @ 84' (+/-)
SKEW = 31^o, Right Ahead
WIDTH = 38'-6" CURB-CURB
LANES=2
VEHICLES PER HOUR =2475 DURING Peak Hour

SOUTHBOUND BRIDGE (117/157)

LENGTH = 336' (+/-)
SPANS = 4 @ 84' (+/-)
SKEW = 33^o, Right Ahead
WIDTH = 46'-6" CURB-CURB
LANES=3
VEHICLES PER HOUR =2675 DURING Peak Hour

BOTH BRIDGES

HORIZONTALLY CURVED with Deck Cross Slope= +7.7%
Annual Average Daily Traffic (AADT) = 13224 (2008)
Annual Average Daily Traffic (AADT) = 19572 (2032)
Trucks = 9%
YEAR BUILT = 1960

REHABILITATED/WIDENED =1980;

NEW CONTINUOUS WEATHERING STEEL GIRDERS

NEW BRIDGE BEARINGS

NEW BRIDGE DECK

NEW ALUMINUM BRIDGE AND APPROACH RAIL

NEW BRIDGE JOINTS

NEW DECK MEMBRANE AND ASPHALT PAVEMENT

REHABILITATED = 2000

PARTIAL AND FULL DEPTH DECK PATCHING

NEW DECK MEMBRANE AND ASPHALT PAVEMENT

NEW DECK DRAINS

NEW STEEL BRIDGE AND APPROACH RAIL

PROPOSED SCOPE OF WORK (BOTH BRIDGES)

SP#16147

REPLACE CONCRETE BRIDGE DECK

REPLACE BRIDGE DECK EXPANSION JOINTS

INSTALL NEW DECK MEMBRANE AND ASPHALT PAVEMENT

BEARING REPLACEMENT (UNDER CONSIDERATION)

REPLACE BRIDGE AND APPROACH RAIL

MINOR CONCRETE REPAIRS TO SUBSTRUCTURES (PIERS AND ABUTMENTS)

SP#14744A

PLACE SCOUR COUNTERMEASURES AT PIERS 1 & 2 (Spread Footings on Hardpan are Scour Critical during floods)

ESTIMATED CONSTRUCTION DURATION = 2 Years