



HIGHWAY NO. **I 89** NAME OF HIGHWAY _____
 STRUCTURE NO. **5-5 B-12** COUNTY **Windsor** TOWN **Sharon**
 PROJECT NO. **I 89-1(7)** LOCATION **Interstate 89 over Vt. 132**
 Cont. 4

EXISTING STRUCTURE

1. TYPE OF EXISTING STRUCTURE _____
2. UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE _____
3. WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE _____
4. SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE _____
5. SHOULD NEW TEMPORARY STRUCTURE BE BUILT _____
6. ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE _____ WATERWAY TO ORDINARY H.W.
7. EXTREME HIGH WATER AT EXISTING STRUCTURE _____ WATERWAY TO EXTREME H.W.
8. SPAN OF EXISTING BRIDGE UPSTREAM _____ WATERWAY TO EXTREME H.W.
9. SPAN OF EXISTING BRIDGE DOWNSTREAM _____ WATERWAY TO EXTREME H.W.
10. TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS _____
11. DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE _____
12. IF NOT, WHAT ELEVATION IS RELIEF AFFORDED _____
13. ADDITIONAL WATERWAY AREA PROVIDED _____

NEW STRUCTURE

1. RECOMMENDED TYPE OF STRUCTURE **Simple Spans-W/ Beams w/ Concrete Deck**
2. RECOMMENDED CLEAR SPAN OR SPANS **44' (Non composite) - 84' (Composite) - 44' (Non composite)**
3. MEASURED PARALLEL TO & NEW HIGHWAY **44'-84'-44'**
4. MEASURED AT RIGHT ANGLES TO & STREAM **N.A.**
5. ARE THERE OBJECTIONS TO A PIER IN THE STREAM, ANSWER YES OR NO **N.A.**
6. ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE **N.A.** SOURCE OF INFORMATION **N.A.**
7. EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE **N.A.** SOURCE OF INFORMATION **N.A.**
8. IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? **N.A.**
9. DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? **N.A.** IS ORDINARY FLOOD **N.A.**
10. LOW WATER ELEVATION AT NEW STRUCTURE **N.A.**
11. DRAINAGE AREA IN ACRES ABOVE STRUCTURE **N.A.** CHARACTER OF TERRAIN **N.A.**
12. IS STREAM EVER DRY? **N.A.**
13. VELOCITY OF STREAM AT HIGH WATER STAGE **N.A.** ESTIMATED DISCHARGE **N.A.**
14. AREA FULL OPENING **N.A.** AREA BELOW ORDINARY H.W. **N.A.**
15. CHARACTER OF SCOUR **N.A.** DRIFT **N.A.** ICE **N.A.**
16. ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL OBSTACLES **N.A.**
17. VERTICAL CLEARANCE ABOVE FLOOD ELEVATION **No** **N.A.**
18. ARE SIDEWALKS REQUIRED, IF SO ON WHAT SIDE **N.A.**
19. RECOMMENDED TYPE OF PAVEMENT **7 1/2" Concrete & 2" Bituminous**
20. TRAFFIC TO BE MAINTAINED UNDER ITEM NO. **NA** ONE OR TWO WAY **PROBABLE**
21. IS PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE **N.A.**
22. SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES **No**
23. ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS **45 tons/pile** SHOULD PILES BE USED? **Yes** *

FOUNDATION INFORMATION

OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN. SPILLERS MAY BE ENCOUNTERED AT ANY PILE OR ABUTMENT LOCATION.

Note: For details of Superstructure see Std. SCB-3725-66
 For notes regarding design criteria see Std. SCB-DI-65

* TABLE OF PILE LENGTHS

LOCATION	BOTTOM OF FOOTING	ESTIMATED LENGTH
Abut #1	493.0	60'
Abut #2	498.0	80'
Pier #1	481.0	30'
Pier #2	481.0	45'
Pier #3	482.0	30'
Pier #4	481.0	30'
Abut #3	498.0	55'
Abut #4	498.0	55'

HARTFORD-SHARON
IM MEMB(15)

SHEET 45 OF 47
BRIDGE 15N&S
FOR REFERENCE ONLY

Recommended for Approval: *[Signature]* 3/23/65
 Approved for Approval: *[Signature]* 3/23/65
 Approved by: *[Signature]* 3/23/65

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 I 89 over Vt. 132 IN THE TOWNS OF
HARTFORD-SHARON
 ROUTE NO. I 89 STA. 717+0
Sharon Interchange
 DRAWN BY WBT CHECKED BY RLO AS NOTED
 PROJECT NO. I 89-1(7) SHEET 72 OF 73
 Br 302