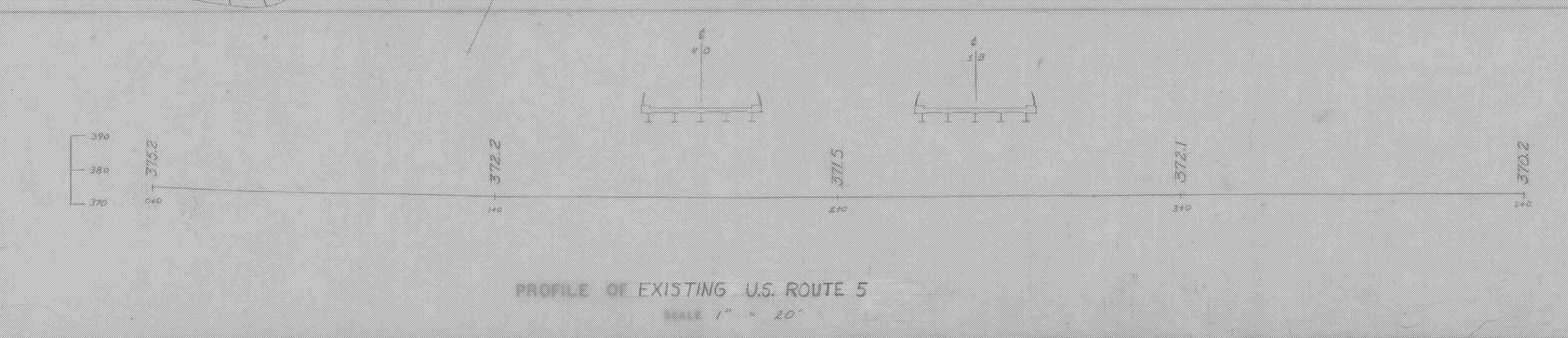
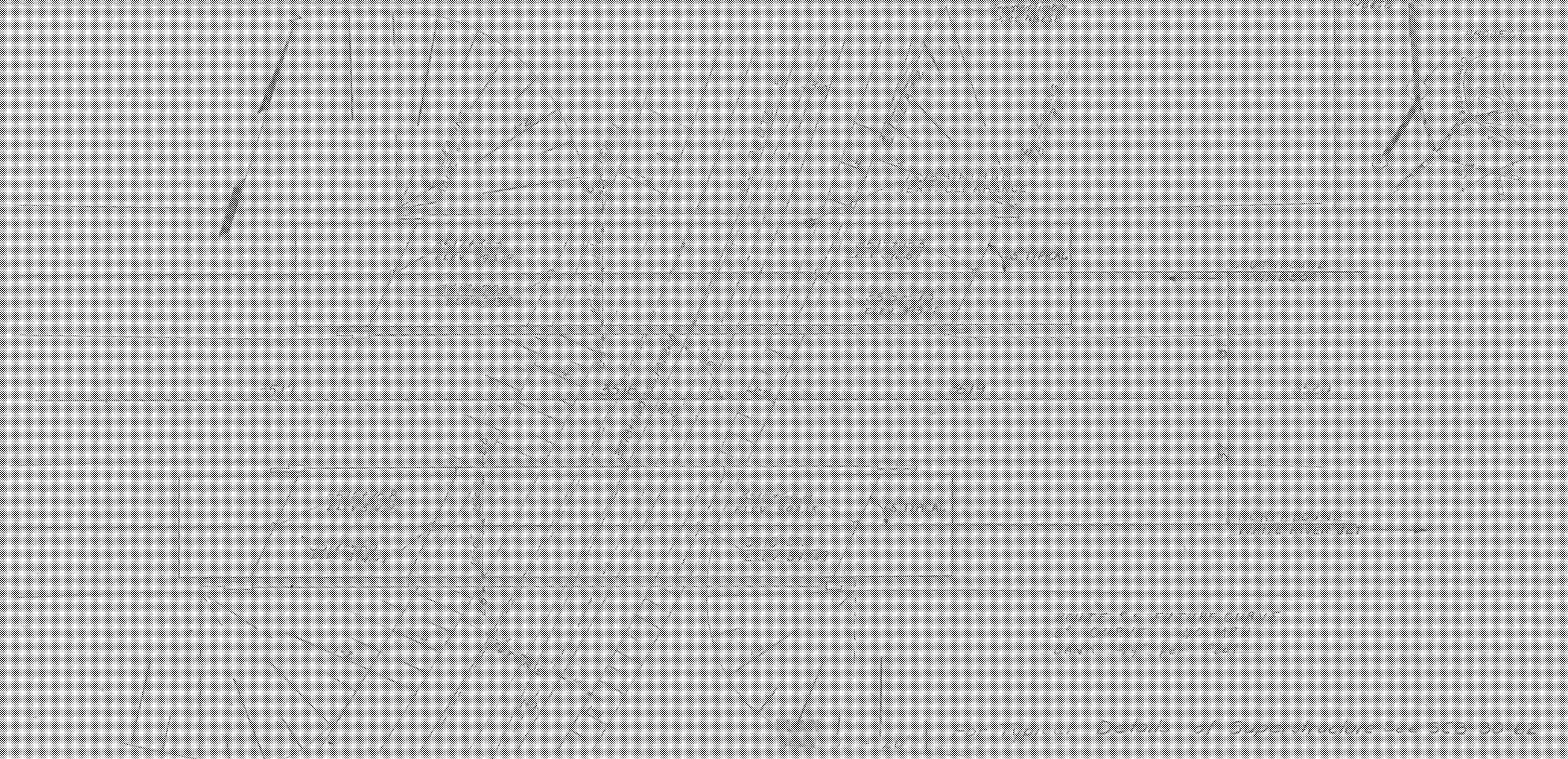
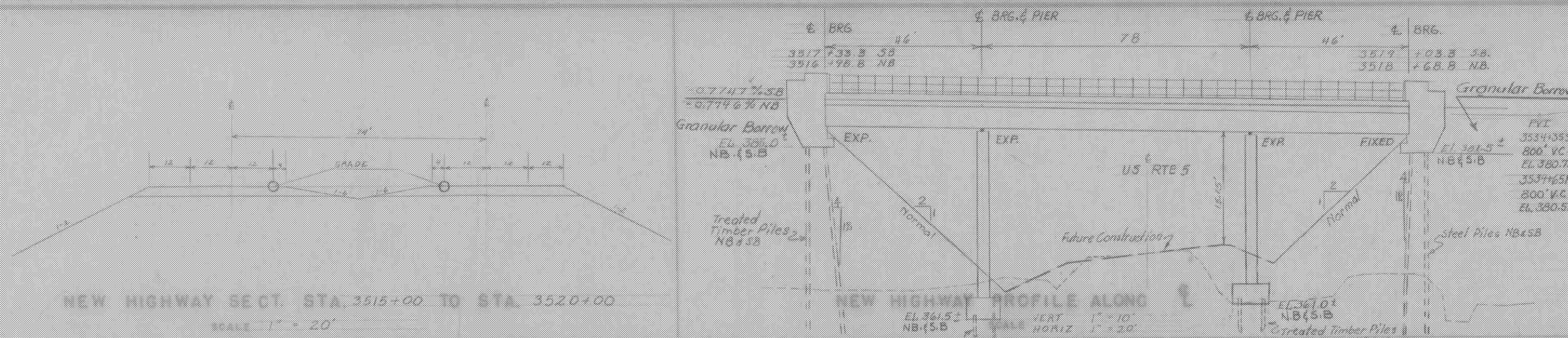


HIGHWAY NO I 91
 NAME OF HIGHWAY INTERSTATE
 COUNTY WINDSOR TOWN HARTFORD
 PROJECT NO I-91-1(22)C-4 LOCATION INTERSTATE OVER ROUTE #5

| EXISTING STRUCTURE | |
|--------------------|--|
| 1 | RATED LOADING OF EXISTING STRUCTURE |
| 2 | TYPE OF EXISTING STRUCTURE |
| 3 | UNDERCLEARANCE LOCATION OF EXISTING STRUCTURE |
| 4 | HIGH WATER ELEVATION OF EXISTING STRUCTURE |
| 5 | SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE |
| 6 | SHOULD NEW TEMPORARY STRUCTURE BE BUILT |
| 7 | ORDINARY HIGH WATER ELEV. AT EXISTING STRUCTURE |
| 8 | EXTREME HIGH WATER AT EXISTING STRUCTURE |
| 9 | WATERWAY TO ORDINARY H.W. |
| 10 | WATERWAY TO EXTREME H.W. |
| 11 | TYPE OF FOUNDATION USED EXISTING ABUTMENTS |
| 12 | DOES ALL WATER PASS THROUGH EXISTING STRUCTURE |
| 13 | IF NOT AT HIGH ELEVATION IS RELIEF APPROVED |
| 14 | ADDITIONAL WATERWAY AREA PROVIDED |
| NEW STRUCTURE | |
| 1 | RECOMMENDED TYPE OF STRUCTURE 3 5/8" CONTINUOUS |
| 2 | RECOMMENDED CLEAR SPAN OR SPANS 46 - 78 - 46 |
| 3 | MEASURED PARALLEL TO & NEW HIGHWAY |
| 4 | ARE THERE CONNECTIONS TO A PIER IN THE STREAM ANSWER YES OR NO |
| 5 | ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE |
| 6 | EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE |
| 7 | IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE |
| 8 | DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION BEFORE IT IS ORDINARY HIGH WATER |
| 9 | LOW WATER ELEVATION AT NEW STRUCTURE |
| 10 | DRAINAGE AREA IN ACRES ABOVE STRUCTURE |
| 11 | CHARACTER OF TERRAINE |
| 12 | IS STREAM EVER DRY? |
| 13 | VELOCITY OF STREAM AT HIGH WATER STAGE |
| 14 | ESTIMATED DISCHARGE |
| 15 | AREA FULL OPENINGS AREA BELOW ORDINARY H.W. |
| 16 | CHARACTER OF SOILS |
| 17 | ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE |
| 18 | ESTIMATED CLEARANCE ABOVE FLOOD ELEVATION |
| 19 | ARE SIDEWALKS REQUIRED, Y OR NO |
| 20 | TYPE OF PAVEMENT 1 1/2" BIT CONG. PAVEMENT ON 7/8" REINF. CONG. DECK |
| 21 | TRAFFIC TO BE MAINTAINED UNDER ITEM NO. N.A. |
| 22 | IS THERE ANY PROBABLE USE N.A. |
| 23 | PROBABLE COST OF CLEARING AND GRADING STREAM CHANNEL AT STRUCTURE SITE |
| 24 | SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES |
| 25 | ESTIMATED ALLOWABLE LOAD ON FOUNDATION 22 TON |
| 26 | SHOULD PILES BE USED YES |
| 27 | EST. LOAD * 35 TON STEEL |



FOUNDAION INFORMATION

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

*** ESTIMATED LENGTH OF PILES**

| Direction | Structure | Material | Length |
|-------------|-------------|----------------------|---------------|
| North Bound | Abutment #1 | Treated Timber Piles | 65' |
| | Pier # 1 | " | 35' Computed |
| | Pier # 2 | " | 35' |
| | Abutment #2 | Steel H Piles | 40' Estimated |
| South Bound | Abutment #1 | Treated Timber Piles | 60' |
| | Pier # 1 | " | 35' Computed |
| | Pier # 2 | " | 35' |
| | Abutment #2 | Steel H Piles | 40' Estimated |

WINDSOR-HARTLAND
 IM MEMB(14)
 SHEET 31 OF 39
 BRIDGE 39N&S
 FOR REFERENCE ONLY

SCALE 1" = 5'

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE IN THE TOWNS OF
HARTLAND HARTFORD

ROUTE NO I 91 LOG STA
INTERSTATE OVER U.S.#5 AT STA 3518±

APPROVED FOR APPROVAL BY [Signature] 8/5/63

RECOMMENDED FOR APPROVAL BY [Signature] 8/6/63

ASSISTANT CHIEF ENGINEER

BR-102