

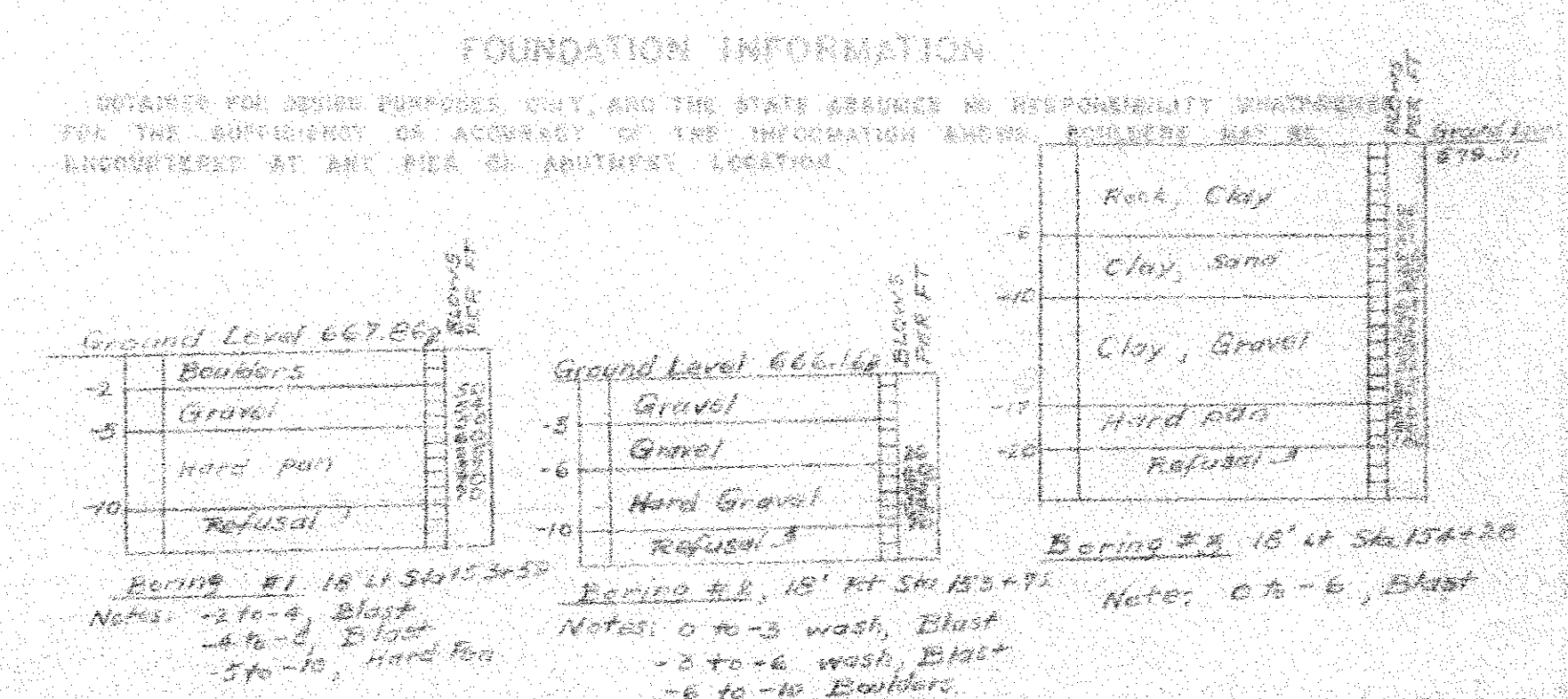
LOGSHEET NO. 105 NAME OF SIGNER Newport - Troy
 STRUCTURE NO. 46 COUNTY Orleans TOWN Newport
 PROJECT NO. F034-2(R) LOCATION 1.2 mi. S.E. Troy-Newport T.L. on Rte 105 (VT)
 Log Sta. 64+80, Mud Creek

EXISTING STRUCTURE

- 1 RATED LOADING OF EXISTING STRUCTURE **M 15**
- 2 TYPE OF EXISTING STRUCTURE **conc T-Beam**
- 3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE **670.5**
- 4 WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE **Remove** COST OF REMOVAL **\$1000**
- 5 SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE **Yes**
- 6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT **Yes**
- 7 PROPOSED HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE **665.5** WATERWAY TO CHANNEL NO. **53 off**
- 8 EXTREME HIGH WATER AT EXISTING STRUCTURE **668**
- 9 SPAN OF EXISTING BRIDGE BETWEEN **None** WATERWAY IN EXTREME HIGH WATER **515'**
- 10 TYPE OF FOUNDATION UNDER EXISTING STRUCTURE **Hard pan**
- 11 DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE **Yes**
- 12 IS NOT AT THAT ELEVATION IS RELIABLY PROVIDED **None**
- 13 ADDITIONAL WATERWAY AREA PROVIDED **None**

NEW STRUCTURE

- 1 RECOMMENDED TYPE OF STRUCTURE **conc. slab**
- 2 RECOMMENDED CLEAR SPAN OR SPANS **33' O.A.**
- 3 MEASURED PARALLEL TO A NEW HIGHWAY **33' clear**
- 4 MEASURED AT RIGHT ANGLES TO A STRAIGHT **33' clear**
- 5 ARE THERE OBSTRUCTIONS TO A PIER IN THE STREAM, AND IF YES OR NO **NO**
- 6 PROPOSED HIGH WATER ELEVATION AT NEW STRUCTURE **666.0**
- 7 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE **668.6** SOURCE OF INFORMATION **Computed**
- 8 IS ALL WATER INTERFERED IN PASS THROUGH NEW STRUCTURE **Yes**
- 9 WOULD STREAM BEAR FOR MAXIMUM HIGH WATER ELEVATION RAPIDLY? **Medium** IS ORDINARY ICE RAPID? **Some**
- 10 LOW WATER ELEVATION AT NEW STRUCTURE **665.0**
- 11 DRAINAGE AREA IN ACRES ABOVE STRUCTURE **500** CHARACTER OF TERRAIN **Hilly**
- 12 IS STREAM EVER DRY? **No**
- 13 VELOCITY OF STREAM AT HIGH WATER STAGE **11.5/sec** ESTIMATED VELOCITY **15.25 cfs**
- 14 ARIEL POLE OPENING **231' off** AREA BELOW ORDINARY IS **57.5' off**
- 15 CHARACTER OF SOIL **None** DRIFT **Slight** ICE **Slight**
- 16 ESTIMATED DRAINAGE AREA ABOVE STRUCTURE **500** CHARACTER OF TERRAIN **Hilly**
- 17 IS STREAM EVER DRY? **No**
- 18 VELOCITY OF STREAM AT HIGH WATER STAGE **11.5/sec** ESTIMATED VELOCITY **15.25 cfs**
- 19 ARE SIDEWALKS PROVIDED, IF SO ON WHICH SIDE **None** BOTH SIDES **---**
- 20 RECOMMENDED TYPE OF PAVEMENT **Bituminous Cons.**
- 21 TRAFFIC TO BE MAINTAINED UNDER OPEN **108** ONE OR TWO BAYS **Two** PROBABLE COST **\$1500**
- 22 PROBABLE COST OF CLEANING AND PROTECTING STREAM CHANNEL AT STRUCTURE **---**
- 23 SHOULD PROVISIONS BE MADE FOR FUELLED UTILITIES **No**
- 24 ESTIMATED ALLOWABLE LOAD ON FOUNDATION **10000** SHOULD BE FILLED BY GROUT **No** EST. LOAD **---**



STATEWIDE - N.E. REGION
 BHF MEMB(19)
 SHEET 64 OF 80
 BRIDGE No. 59
 FOR REFERENCE ONLY

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 BRIDGE NO. 4657 IN THE TOWNS OF
 NEWPORT-TROY
 ROUTE NO. 105, LOG STA. 64+80

DATE 7/11/59
 DRAWN BY [Signature]
 CHECKED BY [Signature]
 APPROVED BY [Signature]