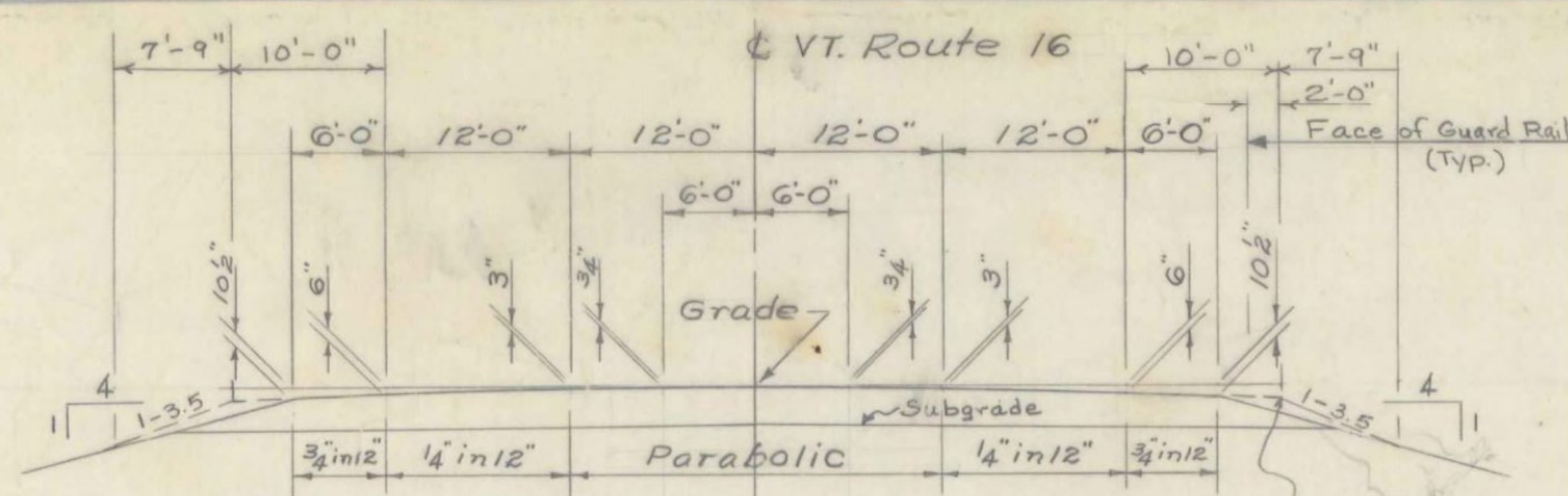
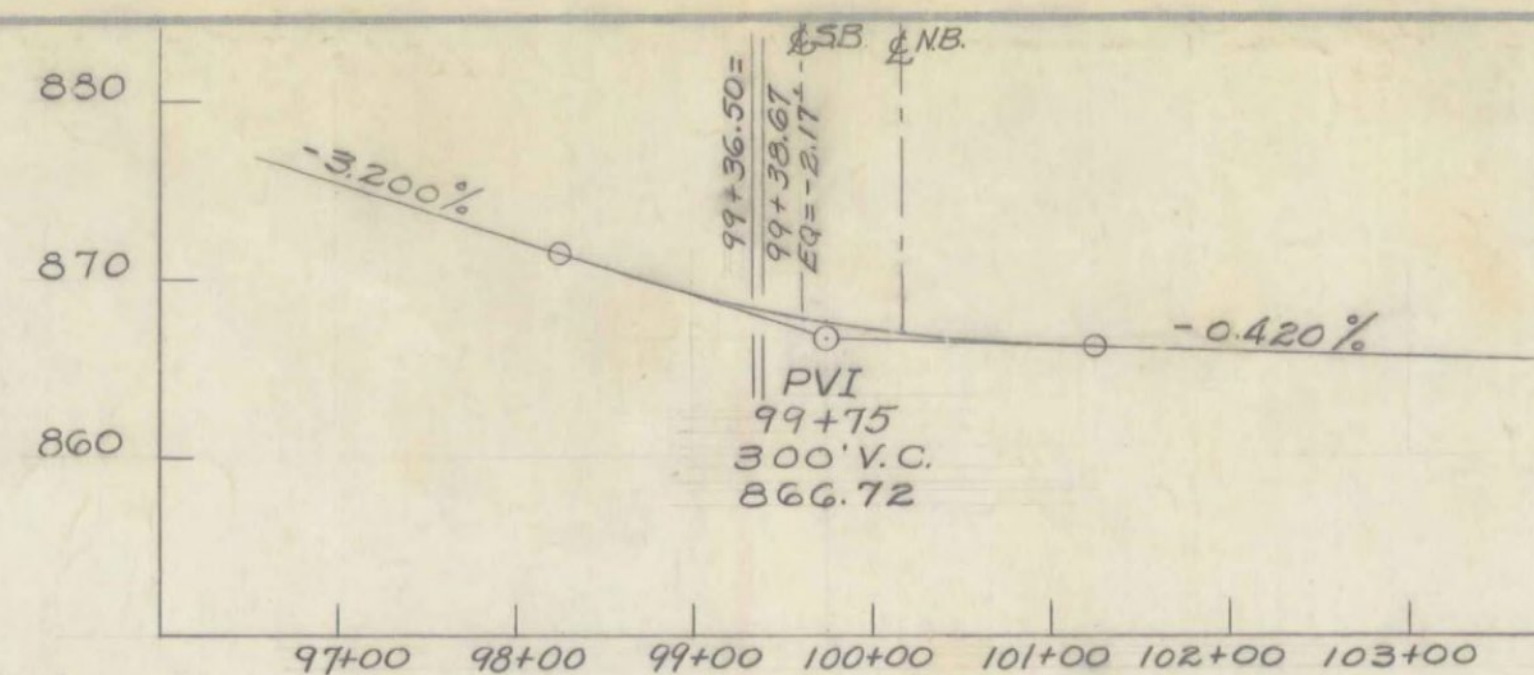
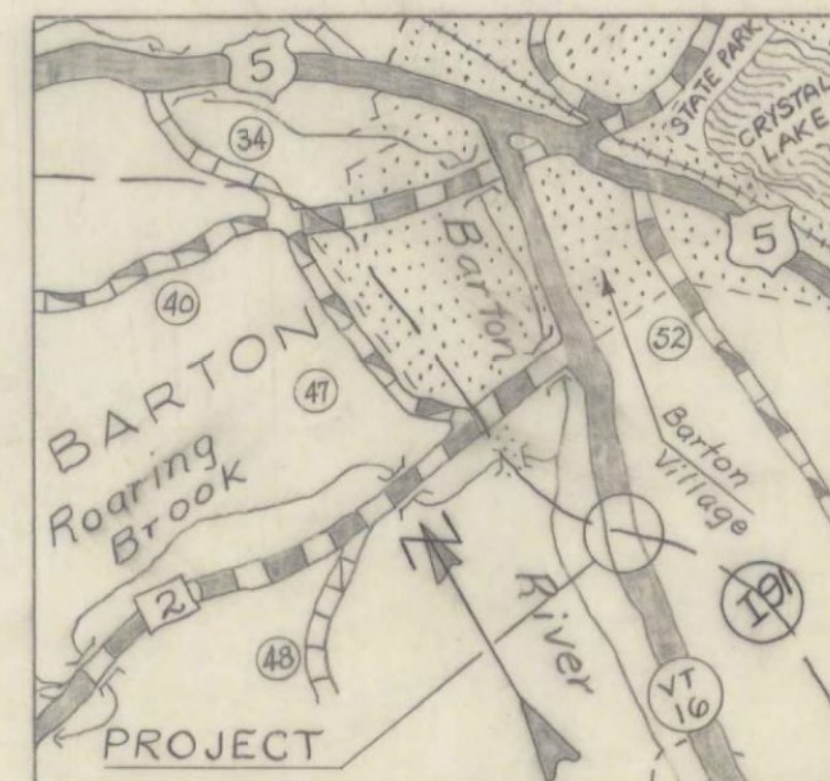




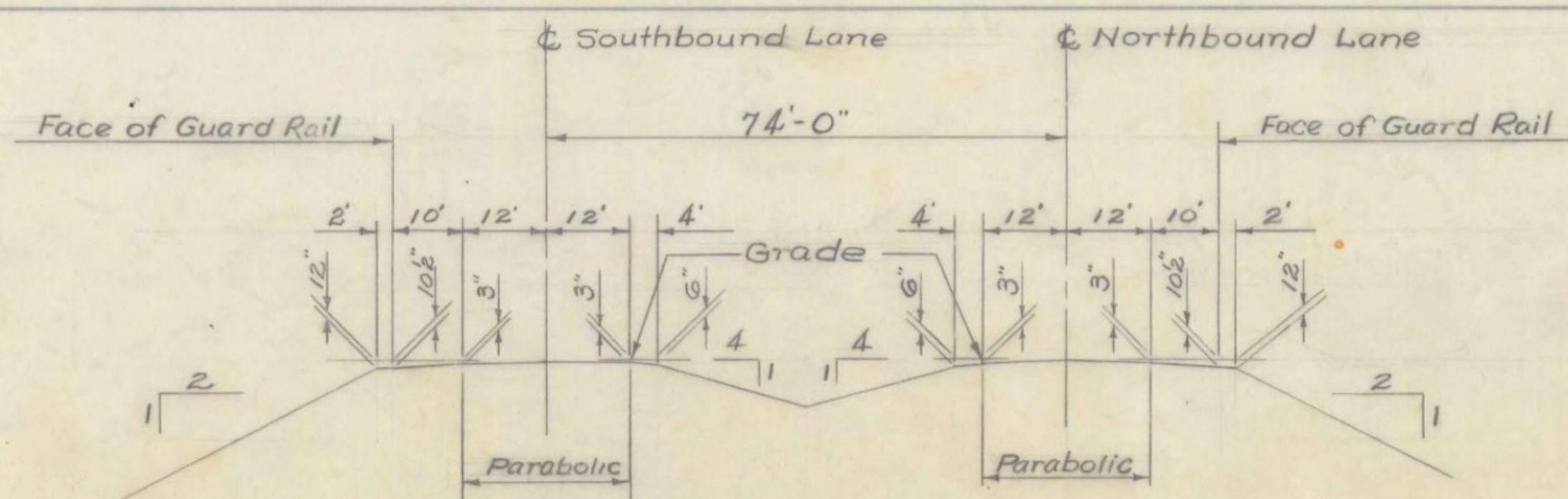
Normal Section Vt. Route 16
For Channelized Area
Scale: 1"=10'-0"



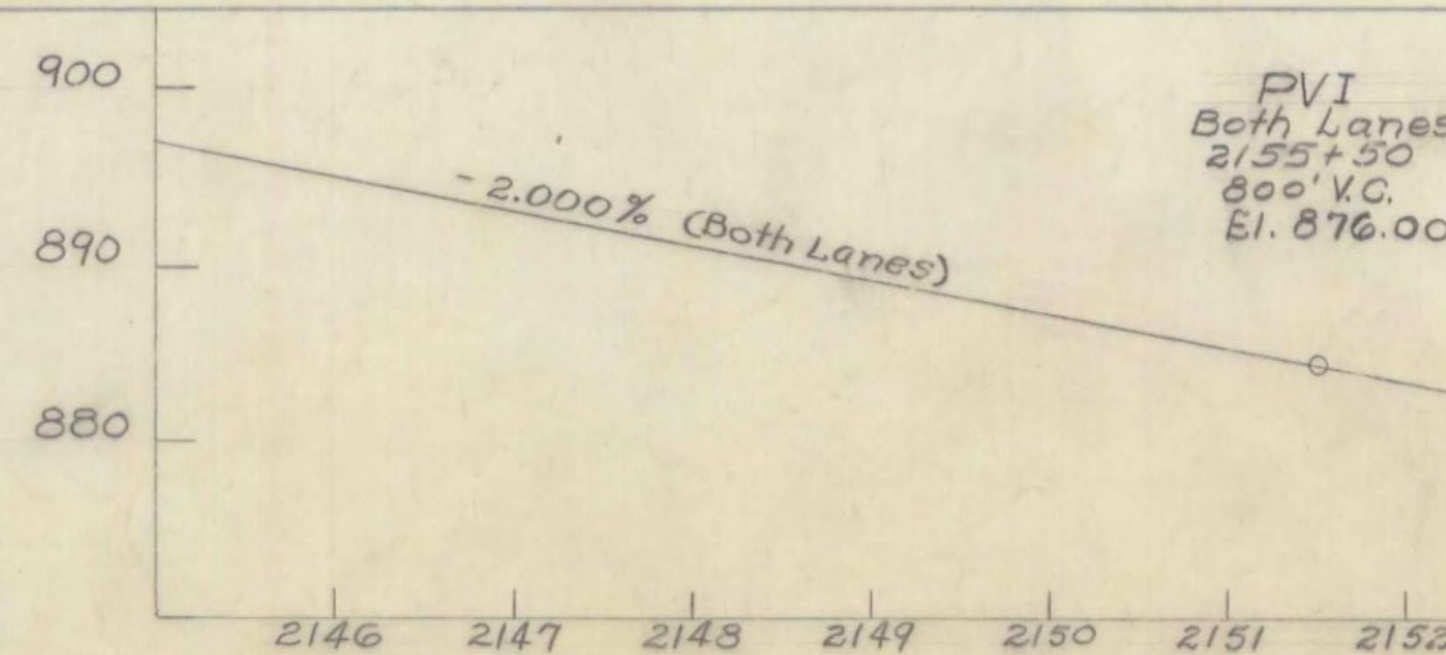
Profile of Vt. Route 16
Scale: 1"=100' Horiz. - 1"=10' Vert.



LYNDON-IRASBURG
IM MEMB(29)
SHEET 33 OF 55
BRIDGE NO. 102S
FOR REFERENCE ONLY



Typical Interstate Section
Scale: 1"=20'-0"



Interstate Profile
Scale: 1"=100' Horiz. - 1"=10' Vert.

HIGHWAY NO. 191 NAME OF HIGHWAY INTERSTATE
STRUCTURE NO. S4-B1 COUNTY ORLEANS TOWN BARTON
PROJECT NO. I91-3(18) LOCATION BARTON
I 91 OVER VT. ROUTE #16
EXISTING STRUCTURE

- 1 RATED LOADING OF EXISTING STRUCTURE NONE
- 2 TYPE OF EXISTING STRUCTURE NONE
- 3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE NONE
- 4 WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE? COST OF REMOVAL
- 5 SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE? NO
- 6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT? NO
- 7 ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE WATERWAY TO ORDINARY H.W.
- 8 EXTREME HIGH WATER AT EXISTING STRUCTURE WATERWAY TO EXTREME H.W.
- 9 SPAN OF EXISTING BRIDGE UPSTREAM WATERWAY TO EXTREME H.W.
- 10 TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS WATERWAY TO EXTREME H.W.
- 11 DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE? NO
- 12 IF NOT AT WHAT ELEVATION IS RELIEF AFFORDED? NO
- 13 ADDITIONAL WATERWAY AREA PROVIDED NO

- NEW STRUCTURE Three Span Continuous Composite W Beam
- 1 RECOMMENDED TYPE OF STRUCTURE Three Span Continuous Composite W Beam
 - 2 RECOMMENDED Overall Bridge Lengths Southbound 130.29' Northbound 100.25'
Span Lengths Center to Center of Brgs. Southbound 51'-77'-48" Northbound 51'-77'-48"
Clear Span Lengths Normal to Roadway N/A
 - 3 ARE THERE OBJECTIONS TO A PIER IN THE STREAM? ANSWER YES OR NO NO
 - 4 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE SOURCE OF INFORMATION
 - 5 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE SOURCE OF INFORMATION
 - 6 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? 2
 - 7 DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? IS ORDINARY RISE RAPID?
 - 8 LOW WATER ELEVATION AT NEW STRUCTURE IS ORDINARY RISE RAPID?
 - 9 DRAINAGE AREA IN ACRES ABOVE STRUCTURE CHARACTER OF TERRAIN
 - 10 IS STREAM EVER DRY ESTIMATED DISCHARGE
 - 11 VELOCITY OF STREAM AT HIGH WATER STAGE ESTIMATED DISCHARGE
 - 12 AREA FULL OPENING AREA BELOW ORDINARY H.W.
 - 13 CHARACTER OF SCOUR DRIFT ICE
 - 14 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE DRIFT ICE
 - 15 VERTICAL CLEARANCE ABOVE STREAM ELEVATION DRIFT ICE
 - 16 ARE SIDEWALKS REQUIRED? IF SO ON WHAT SIDE? NONE BOTH SIDES
 - 17 RECOMMENDED TYPE OF PAVEMENT 2" Bituminous Concrete Pavement
 - 18 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. ONE OR TWO WAYS PROBABLE COST
 - 19 PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE NO
 - 20 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? NO
 - 21 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 58 Tons SHOULD PILES BE USED? Yes EST. LGTH. See Table
per pile (Steel Piles 12BP53)

FOUNDATION INFORMATION

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

FOR BORING LOGS SEE SHEET BR-103 #104

TABLE OF ESTIMATED PILE LENGTHS

LOCATION	FOOTING ELEV.	PILE LENGTH
Abutment No. 1	878.00	45'
Abutment No. 2	877.00	50'
Abutment No. 3	879.00	60'
Abutment No. 4	876.00	60'
Pier No. 1	858.50	30'
Pier No. 2	861.00	35'
Pier No. 3	858.00	35'
Pier No. 4	858.00	35'

PROJECT: BARTON Stage 2 Construction

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE IN THE TOWN OF
BARTON BR 102
ROUTE NO I91 STA. 2148+97
I 91 OVER VT. ROUTE 16

PRELIMINARY INFORMATION

SURVEYED BY SPRULING CHECKED BY CONNELLY IN CHARGE F.W. Baikum DATE 11/21/66

PROJECT NO. I91-3(18) SHEET 112 OF 112

(18) 385 389
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