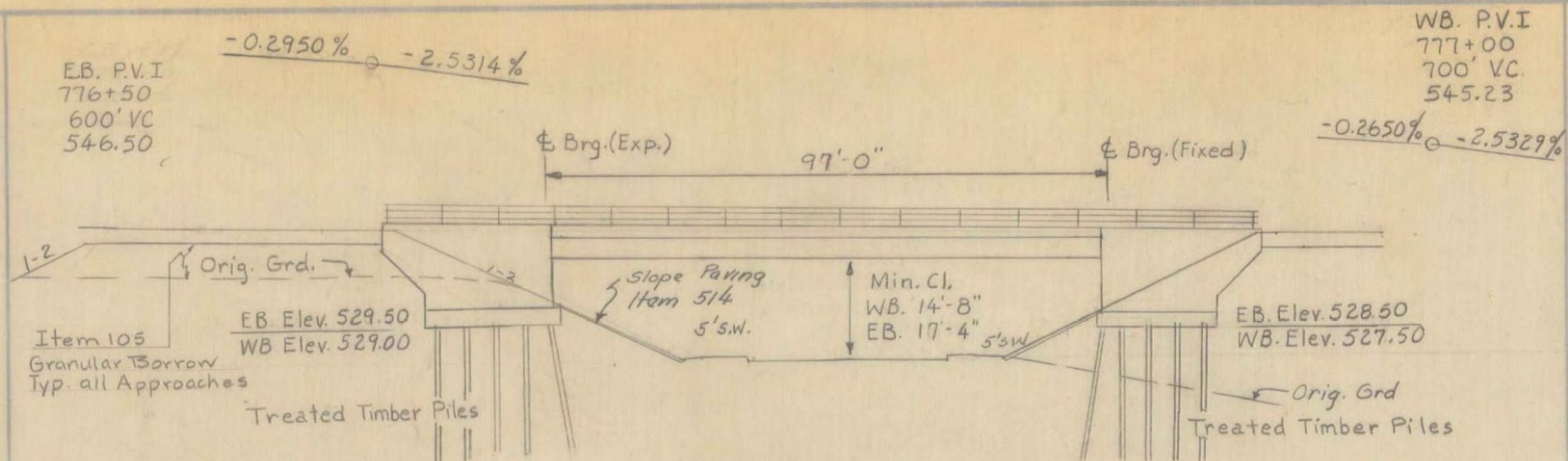


NEW HIGHWAY SECT. STA. 773+50 TO STA. 776+00
SCALE 1" = 20'
RELOC. U.S. 4



NEW HIGHWAY PROFILE ALONG E EASTBOUND LANE
SCALE 1" = 20'

HIGHWAY NO. U.S. 4 NAME OF HIGHWAY Reloc. U.S. 4
STRUCTURE NO. 52-B3 COUNTY RUTLAND TOWN WEST RUTLAND
PROJECT NO. AP-020-1(10) LOCATION RELOCATED U.S. 4 OVER VT. 133

EXISTING STRUCTURE

- 1 RATED LOADING OF EXISTING STRUCTURE
- 2 TYPE OF EXISTING STRUCTURE
- 3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE
- 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?
- 6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT?
- 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 SPAN OF EXISTING BRIDGE DOWNSTREAM WATERWAY TO EXTREME H.W.
- 11 TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS
- 12 DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE?
- 13 IF NOT AT WHAT ELEVATION IS RELIEF AFFORDED?
- 14 ADDITIONAL WATERWAY AREA PROVIDED

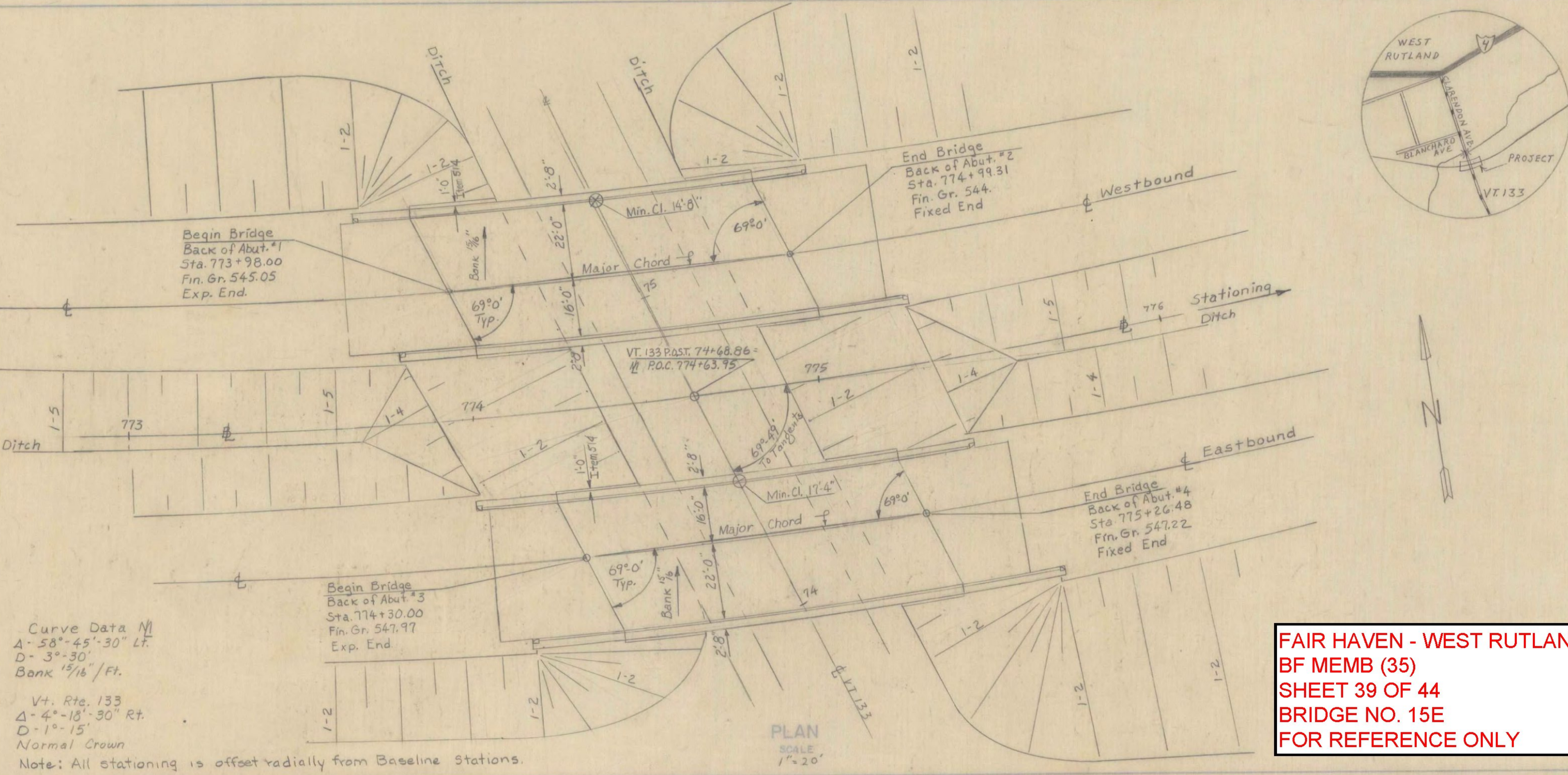
NEW STRUCTURE

- 1 RECOMMENDED TYPE OF STRUCTURE SINGLE SPAN WF Composite Beam SCB-38-65
- 2 RECOMMENDED CLEAR SPAN OR SPANS 99'
- 3 MEASURED PARALLEL TO NEW HIGHWAY 99'
- 4 MEASURED AT RIGHT ANGLES TO STREAM NA
- 5 ARE THERE OBJECTIONS TO A PIER IN THE STREAM? ANSWER YES OR NO NA
- 6 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE NA
- 7 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE NA SOURCE OF INFORMATION
- 8 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? NA
- 9 DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? NA IS ORDINARY RISE RAPID?
- 10 LOW WATER ELEVATION AT NEW STRUCTURE NA
- 11 DRAINAGE AREA IN ACRES ABOVE STRUCTURE NA CHARACTER OF TERRAIN
- 12 IS STREAM EVER DRY? NA
- 13 VELOCITY OF STREAM AT HIGH WATER STAGE NA ESTIMATED DISCHARGE
- 14 AREA FULL OPENING NA AREA BELOW ORDINARY H.W.
- 15 CHARACTER OF SOIL NA DRIFT ICE
- 16 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE NA
- 17 VERTICAL CLEARANCE ABOVE FLOOD ELEVATION NA
- 18 ARE SIDEWALKS REQUIRED? IF SO ON WHAT SIDE? VT. 133 BOTH SIDES YES
- 19 RECOMMENDED TYPE OF PAVEMENT 2" BITUMINOUS CONCRETE 7 1/2" CONCRETE SLAB
- 20 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. ONE OR TWO WAYS PROBABLE COST
- 21 PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE NA
- 22 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES?
- 23 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 20 Tons SHOULD PILES BE USED? YES EST. LGTH. Treated Timber Piles

FOUNDATION INFORMATION

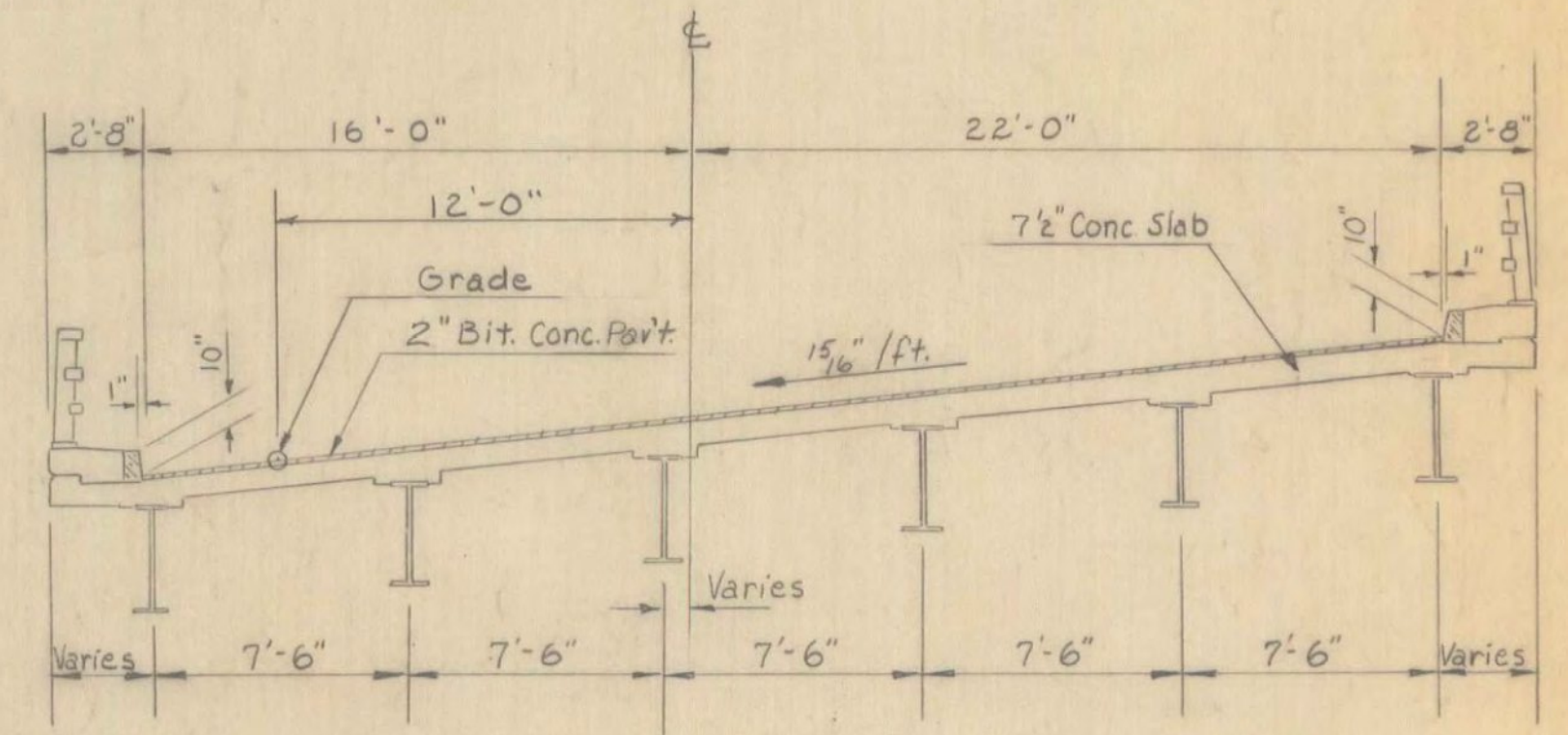
OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN. BOULDERS MAY BE ENCOUNTERED AT ANY PIER OR ABUTMENT LOCATION.

| | |
|---------------|---------------|
| WB | EB |
| Abut #1 - 25' | Abut #3 - 25' |
| Abut #2 - 25' | Abut #4 - 25' |



Curve Data M
A - 58° - 45' - 30" Lt.
D - 3° - 30'
Bank 1 1/16' Ft.
Vt. Rte. 133
Δ - 4° - 18' - 30" Rt.
D - 1° - 15'
Normal Crown
Note: All stationing is offset radially from Baseline Stations.

**FAIR HAVEN - WEST RUTLAND
BF MEMB (35)
SHEET 39 OF 44
BRIDGE NO. 15E
FOR REFERENCE ONLY**



Typical Eastbound Bridge Section
Scale: 1" = 5'
(Westbound Section Similar)

| | | | |
|--------------------------|-----------------------|----------------|------|
| RECOMMENDED FOR APPROVAL | <u>E. W. Stebbins</u> | <u>11/5/65</u> | DATE |
| | CONST. ENGINEER | | |
| RECOMMENDED FOR APPROVAL | <u>Sam Byom</u> | <u>11/5/65</u> | DATE |
| | BRIDGE ENGINEER | | |
| RECOMMENDED FOR APPROVAL | <u>R. H. Arnold</u> | <u>11/5/65</u> | DATE |
| | ASST. CHIEF ENGINEER | | |
| APPROVED BY | <u>A. S. Bulfinch</u> | <u>11/5/65</u> | DATE |
| | CHIEF ENGINEER | | |

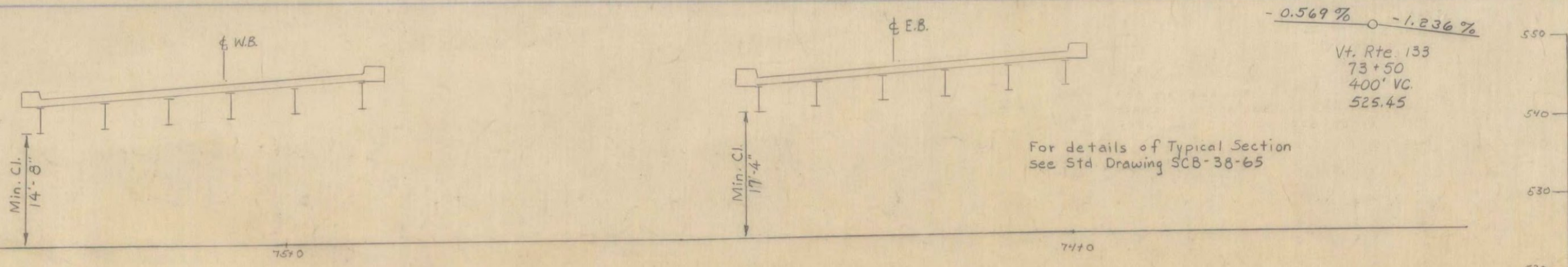
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

Reloc. U.S. 4 IN THE TOWNS OF
WEST RUTLAND

ROUTE NO. U.S. 4 STA. 774+50
Reloc. U.S. 4 over Vt. 133

DESIGNED BY DEMETH CHECKED BY RAO SCALE AS NOTED
DRAWN BY WMS IN CHARGE DATE 28 JULY 65

PROJECT NO. AP020-100 SHEET 145 OF 359



PROFILE OF EXISTING VT. 133
SCALE 1" = 10'