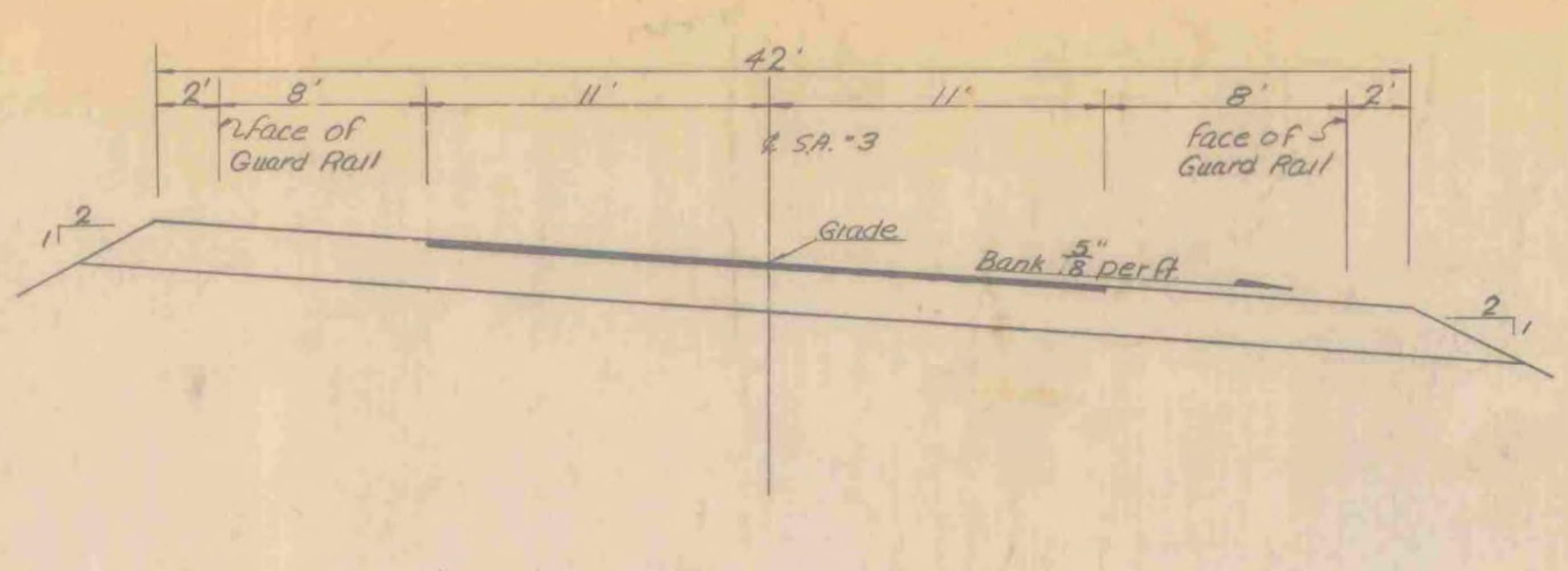
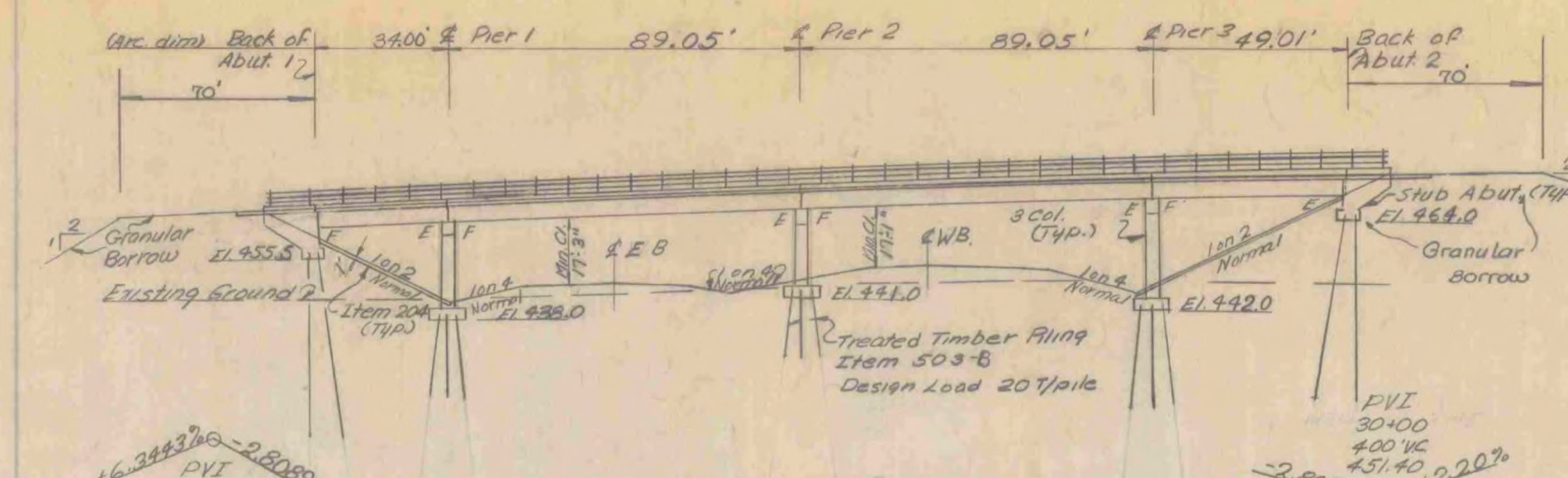


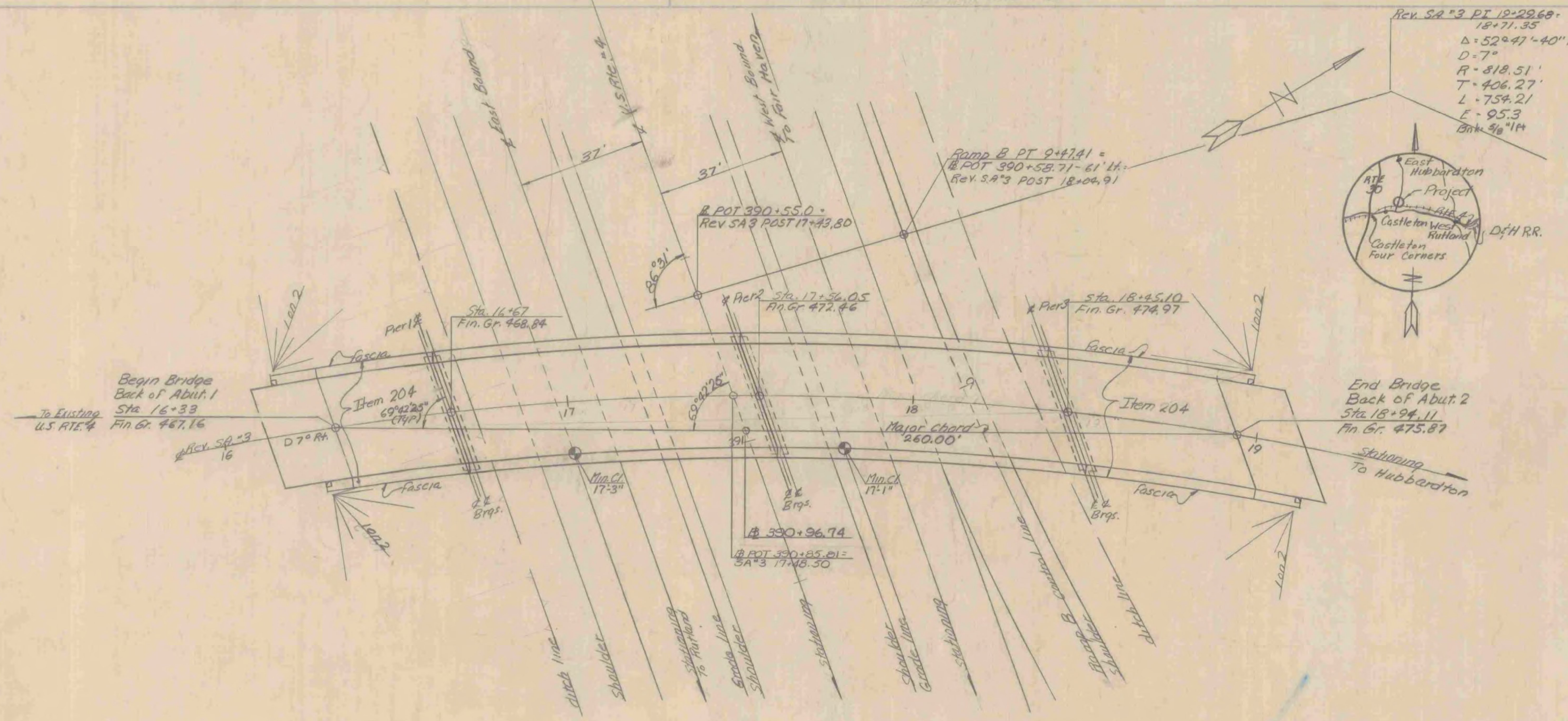
NEW HIGHWAY SECT. STA. 16+00

SCALE 1"=5'



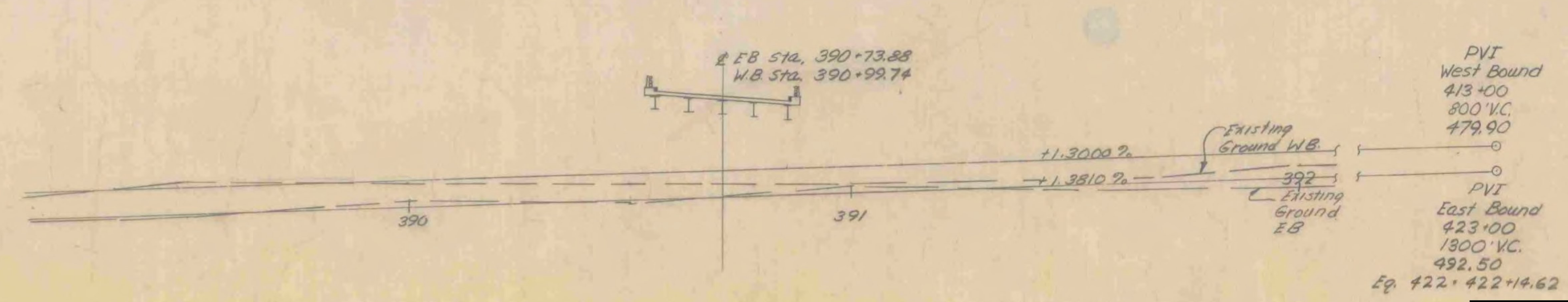
NEW HIGHWAY PROFILE ALONG ℄ SA #3

SCALE 1"=30'



PLAN

SCALE 1"=20'



PROFILE OF PROPOSED U.S. 4

SCALE N.T.S.

HIGHWAY NO. US #4 NAME OF HIGHWAY Fair Haven-Rutland Rd.

STRUCTURE NO. ________ COUNTY Rutland TOWN Castleton

PROJECT NO. F020-1(4)AP LOCATION Castleton-Ira SA #3 over U.S. #4

EXISTING STRUCTURE

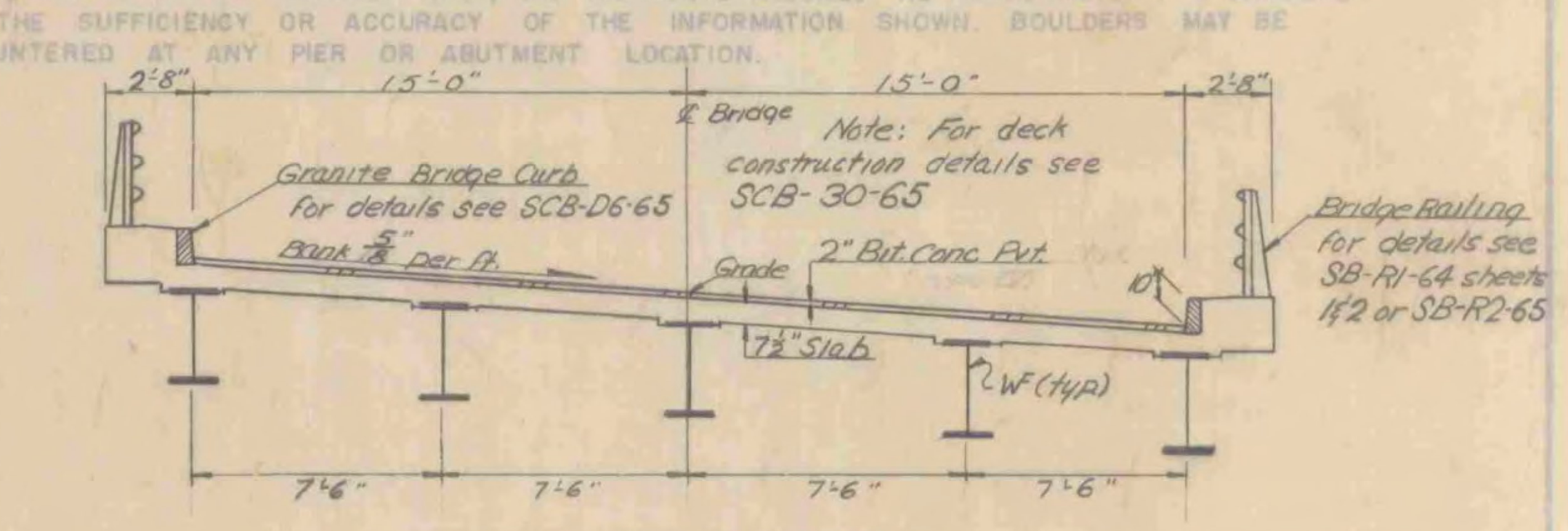
1 RATED LOADING OF EXISTING STRUCTURE
2 TYPE OF EXISTING STRUCTURE
3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE
4 WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE? COST OF REMOVAL
5 SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE?
6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT?
7 ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE WATERWAY TO ORDINARY H.W.
8 EXTREME HIGH WATER AT EXISTING STRUCTURE
9 SPAN OF EXISTING BRIDGE UPSTREAM WATERWAY TO EXTREME H.W.
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 AT WHAT ELEVATION IS RELIEF AFFORDED?
13 ADDITIONAL WATERWAY AREA PROVIDED

NEW STRUCTURE

1 RECOMMENDED TYPE OF STRUCTURE 4-Simple Spans (3 composite)
2 RECOMMENDED CLEAR SPAN OR SPANS 34'-89'-89'-49'
MEASURED PARALLEL TO ℄ NEW HIGHWAY
MEASURED AT RIGHT ANGLES TO ℄ STREAM
3 ARE THERE OBJECTIONS TO A PIER IN THE STREAM? ANSWER YES OR NO NA
4 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE NA
5 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE NA SOURCE OF INFORMATION NA
6 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? NA
7 DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? NA IS ORDINARY RISE RAPID? NA
8 LOW WATER ELEVATION AT NEW STRUCTURE NA
9 DRAINAGE AREA IN ACRES ABOVE STRUCTURE NA CHARACTER OF TERRAIN NA
10 IS STREAM EVER DRY NA
11 VELOCITY OF STREAM AT HIGH WATER STAGE NA ESTIMATED DISCHARGE NA
12 AREA FULL OPENING NA AREA BELOW ORDINARY H.W. NA
13 CHARACTER OF SCOUR NA DRIFT NA ICE NA
14 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE NA
15 VERTICAL CLEARANCE ABOVE FLOOD ELEVATION NA
16 ARE SIDEWALKS REQUIRED? IF SO ON WHAT SIDE? No BOTH SIDES —
17 RECOMMENDED TYPE OF PAVEMENT 2" Bituminous Concrete Pavement
18 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. NA ONE OR TWO WAYS NA PROBABLE COST NA
19 PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE NA
20 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? NO
21 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 20T/Pile SHOULD PILES BE USED? Yes EST. LGTH. See Boring Log

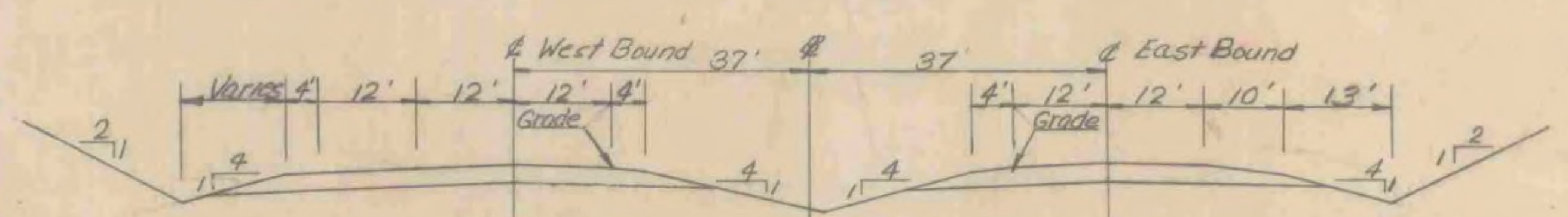
FOUNDATION INFORMATION

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.



BRIDGE TYPICAL SECTION

1"=6'



TYPICAL SECTION U.S. #4 UNDER BRIDGE

1"=20'

RECOMMENDED FOR APPROVAL R J Funk 9/12/66
CONST. ENGINEER DATE

RECOMMENDED FOR APPROVAL L M Byorn 9/1/66
BRIDGE ENGINEER DATE

RECOMMENDED FOR APPROVAL E H Stickney 9/12/66
ASST. CHIEF ENGINEER DATE

APPROVED BY: R H Arnold 9/12/66
CHIEF ENGINEER DATE

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

US #4 IN THE TOWNS OF
CASTLETON-IRA
ROUTE NO. US #4 LOG STA. 391+00
S.A. #3 OVER U.S. #4

PRELIMINARY INFORMATION

SURVEYED BY BARNES CHECKED BY R. WATSON SCALE AS NOTED
DRAWN BY C.O. BRYAN IN CHARGE R.L. MERCHANT DATE
PROJECT NO. AP-020-1(4) SHEET 57 OF 301

BR. 100

CASTLETON-RUTLAND
BF MEMB (37)
SHEET 17 OF 28
BRIDGE NO. 2
FOR REFERENCE ONLY