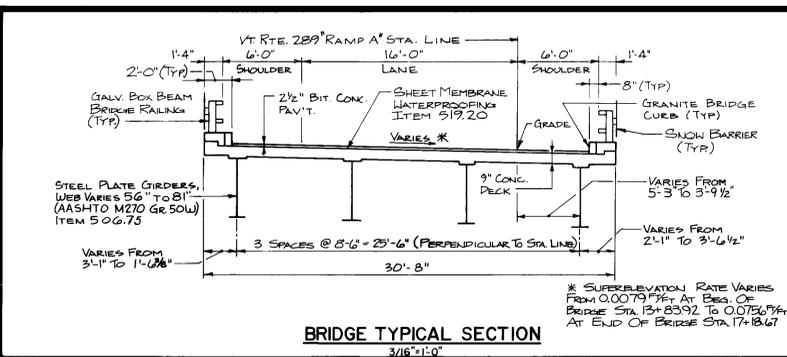


NEW HIGHWAY SECTION - BRIDGE APPROACHES
3/16\"/>



BRIDGE TYPICAL SECTION
3/16\"/>

NEW STRUCTURE

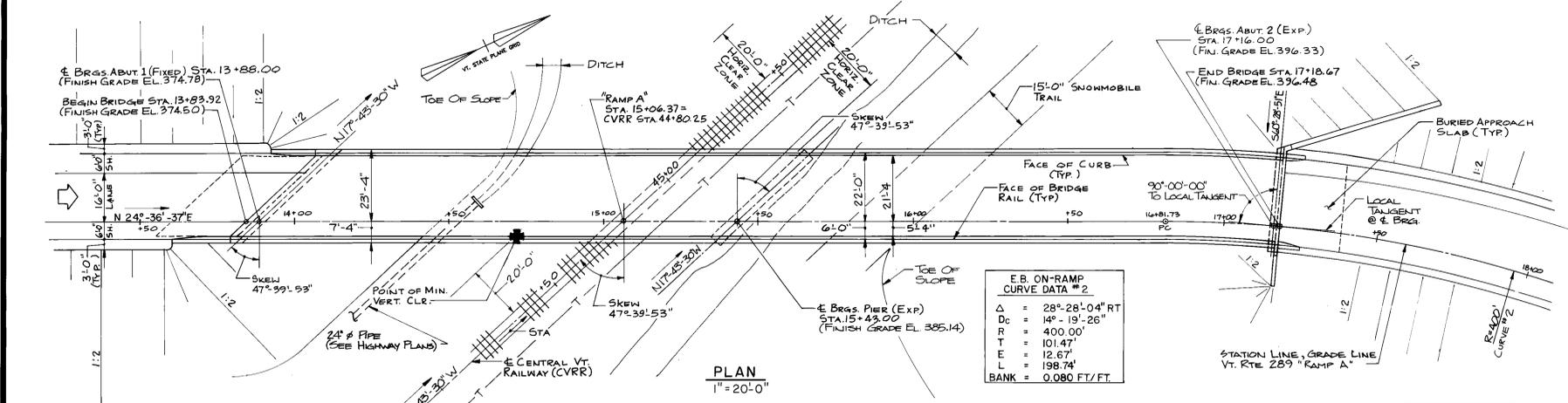
STRUCTURE GEOMETRY:

- STRUCTURE TYPE: TWO SPAN STEEL MULTI-GIRDER OVERALL LENGTH: 334'-9" ALONG STATION LINE
- SPAN LENGTH(S) CENTER TO CENTER OF BEARINGS: 199'-0", 173'-0" ALONG STATION LINE
- VERTICAL CLEARANCE ABOVE STREAMBED OR ROAD UNDER: 23'-6" TO CVRR RAILWAY
- CLEAR SPAN LENGTH(S) NORMAL TO STREAM: -
- WATERWAY AREA OF FULL OPENING (NORMAL TO STREAM): -
- ARE PROVISIONS TO BE MADE FOR PUBLIC UTILITIES? - N/A

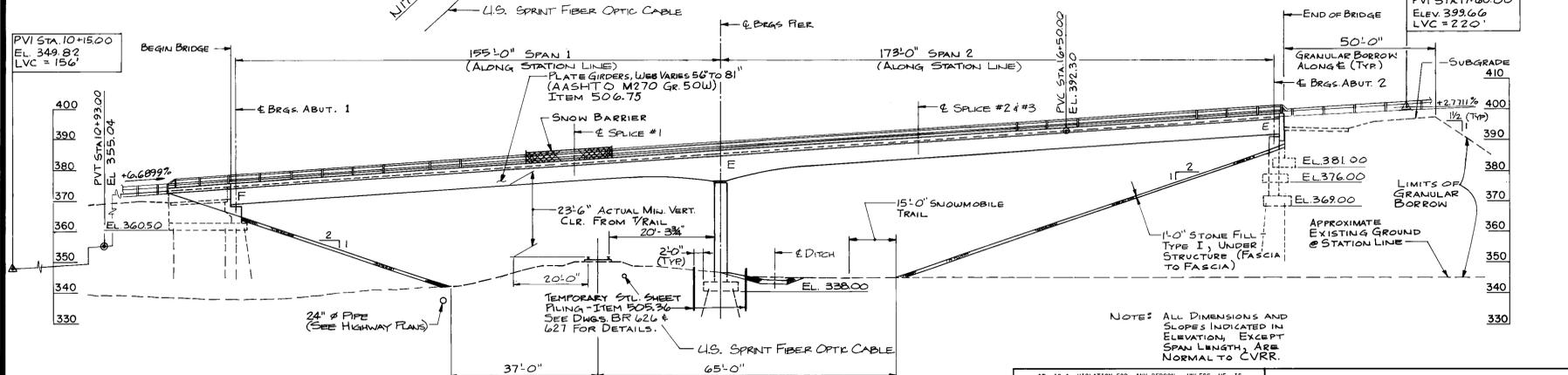
ALLOWABLE STRESSES:

- DESIGN LIVE LOAD AASHTO: HS-20-44 ON LEDGE
- ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL: 7.0 TENS TYPE: HP12 x 74 ESTIMATED LENGTH: 27,000 PSI
- ALLOWABLE LOAD FOR PILING: 7.0 TENS TYPE: HP12 x 74 ESTIMATED LENGTH: 27,000 PSI
- ALLOWABLE STRESS FOR STRUCTURAL STEEL AASHTO M270 GR. 50W TENSION: 24,000 PSI
- ALLOWABLE STRESS FOR REINFORCING STEEL GRADE 60 TENSION: 24,000 PSI COMPRESSION: 20,000 PSI
- ALLOWABLE STRESS FOR CONCRETE CLASS A: 3,500 PSI CLASS B: 3,500 PSI

* ABUT. 1-100', ABUT. 2-VARIES 100'-110', 4 PIER-70' ** SEE GENERAL NOTE 15, SHEET BR602



PLAN
1" = 20'-0"



EAST ELEVATION
1" = 20'-0"

VAOT STANDARD SHEETS

SB-R4A-82 9-18-89R
SB-R4B-82 3-30-88R

INDEX OF DRAWINGS

SYM. NO.	DESCRIPTION	BR. NO.	DESCRIPTION
BR 601	PLAN, ELEVATION AND SECTIONS	BR 617	BRIDGE CURB DETAILS
BR 602	GENERAL NOTES AND COMMON DETAILS	BR 618	SCOURER DETAILS
BR 603	BRIDGE QUANTITY SHEET	BR 619	ABUTMENT 1 - PLAN, ELEVATION & SECTION
BR 604	BORING INFORMATION SHEET (1 OF 2)	BR 620	ABUTMENT 1 - SECTIONS AND DETAILS - 1
BR 605	BORING INFORMATION SHEET (2 OF 2)	BR 621	ABUTMENT 1 - SECTIONS AND DETAILS - 2
BR 606	TRANSVERSE SECTION & DECK SLAB PLAN	BR 622	ABUTMENT 2 - PLAN & DETAILS
BR 607	FRAMING PLAN AND GIRDER ELEVATION	BR 623	ABUTMENT 2 - ELEVATION & SECTIONS
BR 608	GIRDER DETAILS	BR 624	ABUTMENT 2 - SECTIONS & DETAILS
BR 609	SPLICE DETAILS	BR 625	ABUTMENT 2 - VERTICAL SECTION AND DETAILS
BR 610	MISCELLANEOUS DETAILS	BR 626	PIER PLAN, ELEVATIONS & SECTIONS
BR 611	BEARING DEVICE DETAILS	BR 627	PIER DETAILS
BR 612	EXPANSION JOINT DETAILS - 1	BR 628	CONCRETE JOINT DETAILS
BR 613	EXPANSION JOINT DETAILS - 2	BR 629	SNOW BARRIER DETAILS
BR 614	EXPANSION JOINT DETAILS - 3	BR 630	BEAM PROFILE TABLES
BR 615	STRUCTURAL STEEL DETAILS	BR 631	REINFORCING STEEL SCHEDULE - 1
BR 616	BRIDGE CURB AND PAVEMENT JOINT DETAILS	BR 632	REINFORCING STEEL SCHEDULE - 2

*LANE LOADING CONTROLS **TRUCK LOADING CONTROLS

STRESS LEVELS	LOAD RATING (TONS)						
	H #	HS #	3S2	6 AXLE	3A STR.	4A STR.	5A SEMI
INVENTORY 0.55 Fy = 27 KSI	25	45					
POSTED 0.67 Fy = 33.5 KSI	45	70	77		67	68	74
OPERATING 0.75 Fy = 37.5 KSI		86	94	102	83	83	

RECOMMENDED FOR APPROVAL: STRUCTURES ENGINEER DATE

RECOMMENDED FOR APPROVAL: CHIEF OF DESIGN DATE

APPROVED BY: DIRECTOR OF ENGINEERING & CONSTRUCTION DATE

REVISIONS

NO.	DESCRIPTION	BY & DATE
1	BUILT TO FIELD	3/10/90

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF: ESSEX Bridge No. 14
Log Sta. _____

HIGHWAY NO. VT. RTE. 289 Surv. CVRR RAMP 15+00

VT. RTE. 289 "RAMP A" OVER ST. RAILWAY

PLAN, ELEVATION AND SECTIONS

Designed by: KRH Drawn by: BW
Checked by: RJS date 10/19/90 Bridge Design Supervisor: MWD date 10/12/90

PROJECT: WILLISTON - COLCHESTER PROJECT NO. PB 033-1(2)
Bridge Sheet No. BR601 Sheet 190 of 400

IT IS A VIOLATION FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER ANY ITEM IN THESE CONTRACT DOCUMENTS IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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RECOMMENDED FOR APPROVAL: *John M. Ziegler* 10/12/90 DATE

