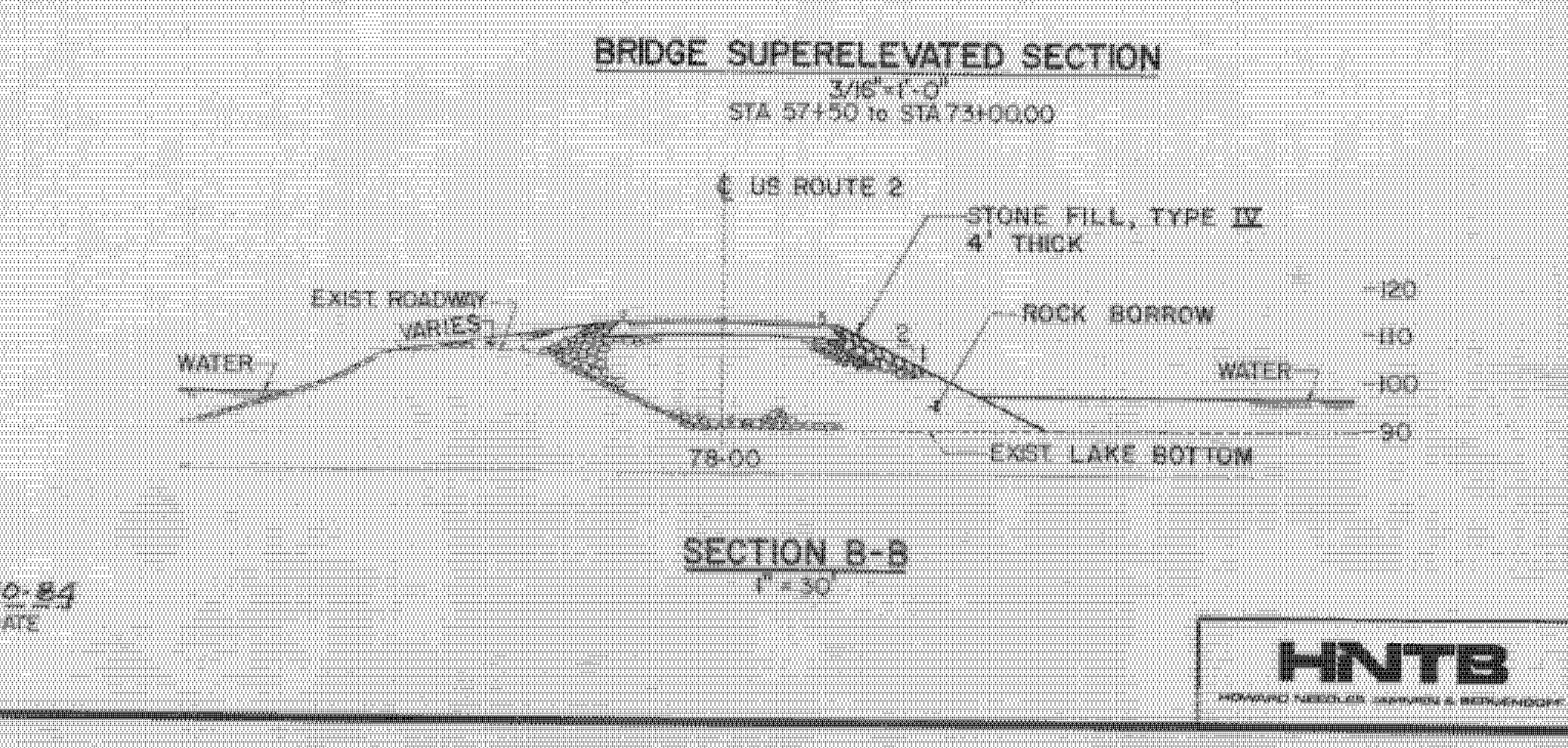
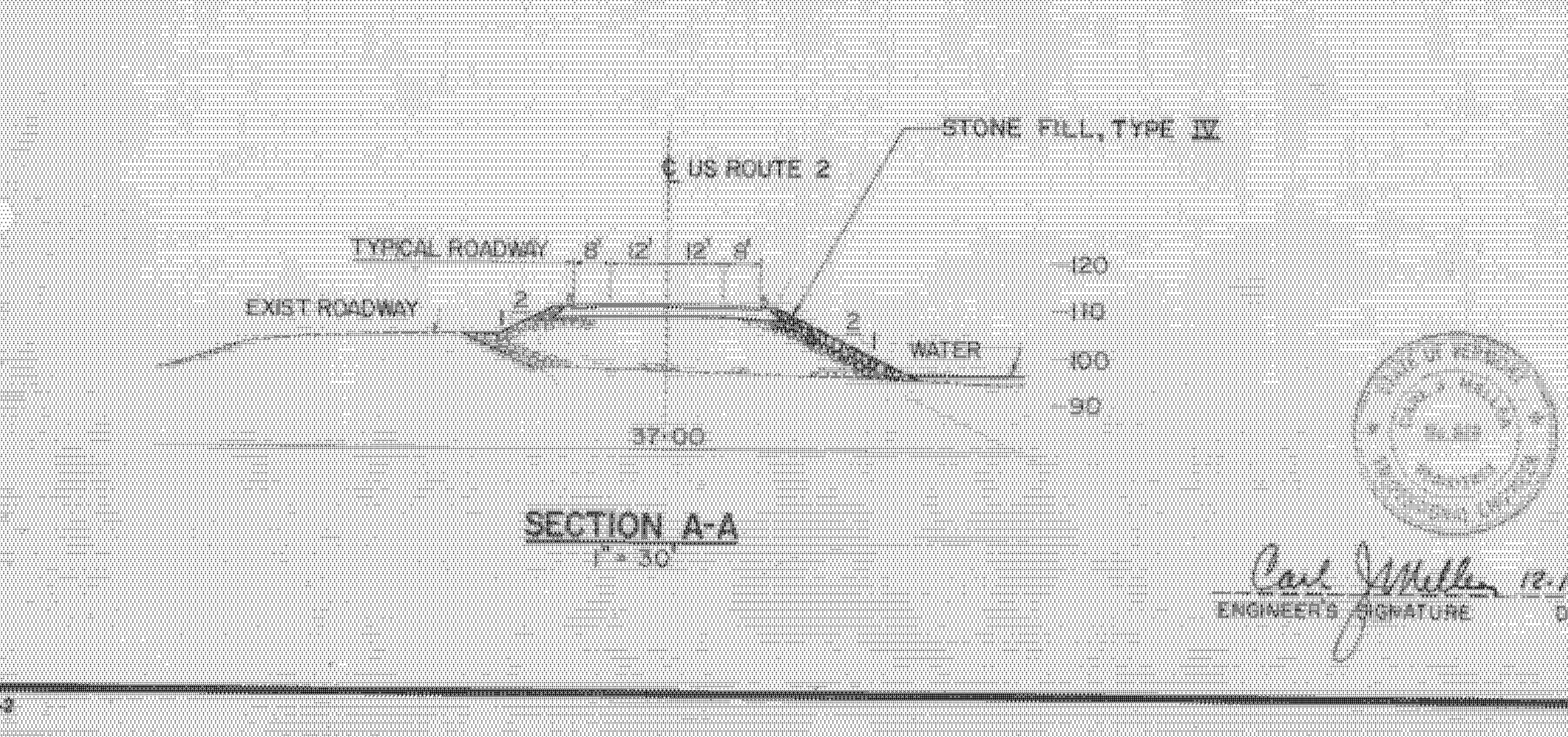
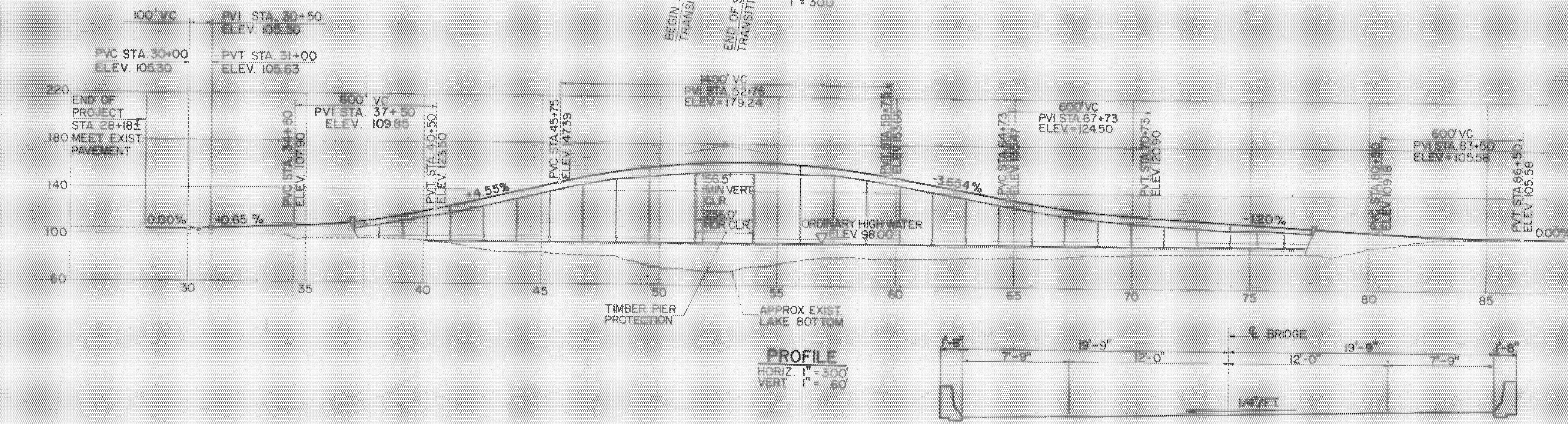
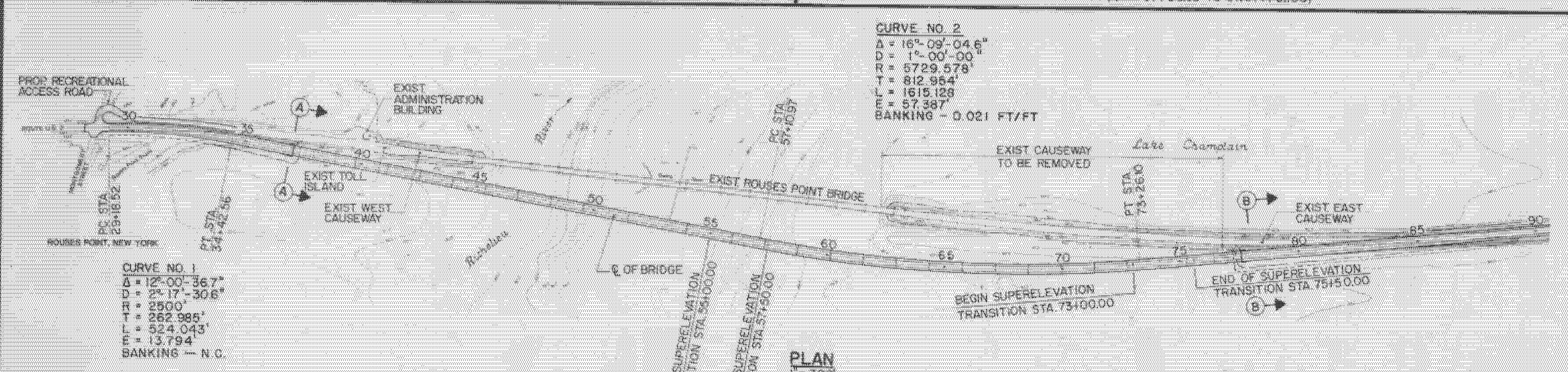


EXISTING STRUCTURE	
1. STRUCTURE TYPE	Semi-through & Through Steel Trusses
2. SPAN LENGTH(S) CENTER TO CENTER OF BEARINGS	2 Spans @ 15'-9\"/>
3. CLEAR SPAN LENGTH(S) NORMAL TO STREAM	2 Channel Spans @ 12'-0\"/>
4. WATERWAY AREA OF FULL OPENING (NORMAL TO STREAM)	Swing Span
5. WATER SURFACE ELEVATION @ Q 233	100.0
6. WATER SURFACE ELEVATION AT FLOOD OF RECORD	101.8
7. DOES ALL WATER PASS THROUGH EXISTING STRUCTURE?	Yes
8. TYPE OF SUBSTRUCTURE FOUNDATION MATERIAL	Soft & Clay
9. DISPOSITION OF STRUCTURE	Remove

NEW STRUCTURE	
1. STRUCTURE TYPE	Continuous Composite Steel Plate Girder
2. SPAN LENGTH(S) CENTER TO CENTER OF BEARINGS	4 Spans @ 100'-0\"/>
3. VERTICAL CLEARANCE ABOVE STREAMBED	38'-0\"/>
4. CLEAR SPAN LENGTH(S) NORMAL TO STREAM	290'-0\"/>
5. WATERWAY AREA OF FULL OPENING (NORMAL TO STREAM)	13,680 SF
6. ARE PROVISIONS TO BE MADE FOR PUBLIC UTILITIES?	No

HYDRAULIC DATA:					
Q 233	84,000 CFS	WATER ELEVATION	100.0	VELOCITY	6 Ft/Sec
Q 10	41,000 CFS	WATER ELEVATION	101.2	VELOCITY	
Q 25	44,000 CFS	WATER ELEVATION	101.6	VELOCITY	
Q 50	48,000 CFS	WATER ELEVATION	101.8	VELOCITY	
Q 100	48,000 CFS	WATER ELEVATION	102.0	VELOCITY	3 Ft/Sec



ALLOWABLE STRESSES:	
1. DESIGN LIVE LOAD	HS20-44
2. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL	ON LEDGE 10 KSF
3. ALLOWABLE LOAD FOR PILING	98 Ton
4. ALLOWABLE STRESS FOR STRUCTURAL STEEL ASTM A 588	TENSION 37.5 KSI
5. ALLOWABLE STRESS FOR REINFORCING STEEL GRADE 60 TENSION	24.0 KSI
6. ALLOWABLE STRESS FOR CONCRETE CLASS A	3.5 KSI
	CLASS B 2.5 KSI

TRAFFIC MAINTENANCE:	
1. IS TRAFFIC TO BE MAINTAINED?	Yes
2. TEMPORARY BRIDGE REQUIREMENTS, ONE OR TWO WAY	N/A
MINIMUM CLEAR SPAN	N/A
MINIMUM CLEAR HEIGHT	N/A
ARE SIDEWALKS REQUIRED?	N/A

ADDITIONAL DESIGN CONSIDERATIONS	
* Design Ice Force - Ice Strength 200 Psi, And Ice Contact Thickness 18 Inches	
TRAFFIC DATA	
1985 ADT	2350
1985 DHV	330
2005 ADT	3190
2005 DHV	445
Design Speed	50 MPH
D	67%
T	11%

STRESS LEVELS	LOAD RATING (TONS)				
	H	HS	352	6 AXLE	3A STR
INVENTORY	51	45			
POSTED	73	96		76	78 88
OPERATING			114	129	

RECOMMENDED FOR APPROVAL *Warren B. Jones* 12/13/84
 STRUCTURES ENGINEER DATE
 RECOMMENDED FOR APPROVAL *Arthur Jones* 12/13/84
 CHIEF OF DESIGN DATE
 APPROVED BY *[Signature]* 12/13/84
 DIRECTOR OF ENGINEERING & CONSTRUCTION DATE

ALBURGH-ROUSES POINT
 BHF MEMB(24)
 SHEET 16 OF 50
 FOR REFERENCE ONLY

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF ROUSES POINT NY - ALBURGH VT Bridge No. 1
 Log Sta. 0+00

HIGHWAY NO. ROUTE 2 Surv. Sta.

PRELIMINARY INFORMATION
 (STEEL ALTERNATE)

Designed by S.M. Drawn by A.B.M.
 Checked by B.B.C. Bridge Design Supervisor
 date 2-17-84 C.J.M./S.M. date 2-17-84

PROJECT ROUSES POINT BRIDGE REPLACEMENT PROJECT NO. BRF 028-1 (11)
 Bridge Sheet No. 551 Sheet of

Carl Miller 12-10-84
 ENGINEER'S SIGNATURE DATE

