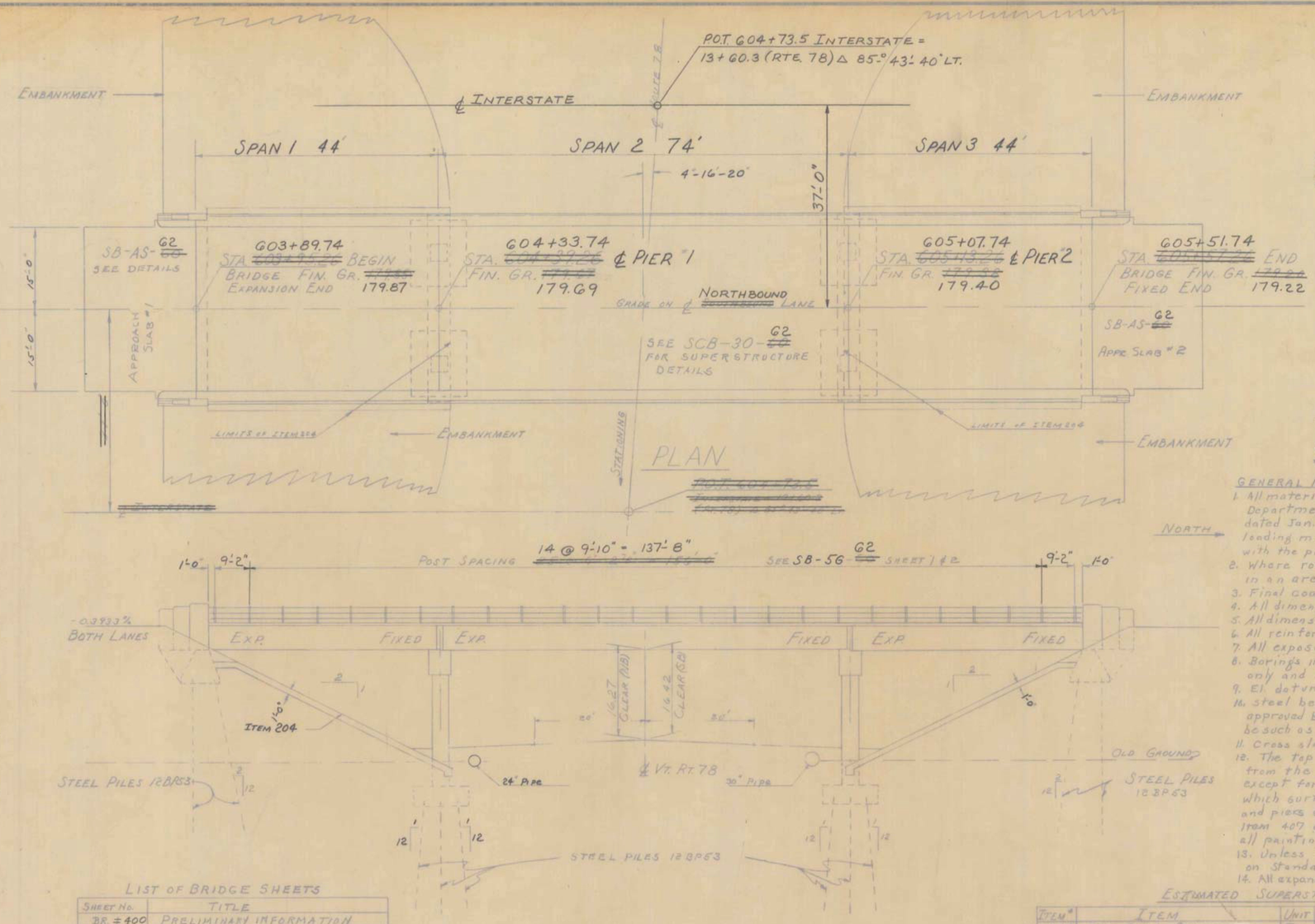

ESTIMATED QUANTITIES (BRIDGE ONLY)

ITEM*	ITEM	UNIT	NET	TOTAL STAGE I	TOTAL STAGE II	FINAL
107	STRUCTURE EXCAVATION	C.Y.		~~760~~		130
204	SUB-BASE OF CRUSHED ROCK, MOD., UNDER STRUCTURE	C.Y.		~~131~~		109
222	Gravel Backfill	C.Y.		~~36~~		0
* 319	TAR EMULSION FOR BRIDGE FLOORS	GAL.			270	
* 373	RUBBER JOINT MATERIAL	L.F.		~~128~~		122
* 361-B	BIT. CONC. PAV't.	TON			66	
401-B	CONCRETE CLASS B, MOD.	C.Y.	~~227~~	~~242~~		245
~~1000~~	~~CONCRETE CLASS D, MOD.~~	~~C.Y.~~	~~170~~			
402	Reinforcing Steel	LB	~~71,000~~	~~66,560~~		66,499
403	Spiral Reinforcement @ 2040					
	Sta 604+ ~~70.74~~ 70.74	L.S.	=	1 V		1
404-A	STRUCTURAL STEEL	Lb.	~~150,000~~	~~156,220~~		136,172
407	ASPHALTIC-ASBESTOS COATING	S.Y.		~~35~~		36
501	FURNISHING EQUIPMENT FOR DRIVING PILES	L.S.		1/4 V		1/4
401-AA	CONCRETE CLASS AA, MOD.	C.Y.		~~184~~		183
503	SPLICES FOR STEEL PILING	EA.		~~32~~		20
504	STEEL PILING (12BP53)	L.F.		~~3620~~	(in place)	3,287
556-C	GRANITE BRIDGE CURB MOD.	L.F.		~~356~~		355
572	BRIDGE RAILING (GALVANIZED METAL)	L.F.		315 V		315
* 378-A	JOINT SEALER HOT POURED	L.F.			60	
594	UNIFORMED TRAFFIC OFFICERS	MAN HR.		~~1000~~		0
* 102-A	GRANULAR BORROW	C.Y.		2160		
*	Note: These items to be included in roadway quantities					
	Cut-offs @ 50% Unit Price	L.F.		0		333

GENERAL NOTES

1. All material and construction shall conform to the State of Vermont Department of Highways, Standard Specifications for Road and Bridge Construction loading modified for National System of Interstate Highways applied in accordance with the provision of the AASHO. Standard Specifications, Article 1.2.8.
2. Where rock is encountered no footing shall be poured until all blasting in an area 300 feet from the structure has been completed.
3. Final coat of field paint shall be green unless otherwise directed by the Engineer.
4. All dimensions given are measured horizontally or vertically unless otherwise noted.
5. All dimensions given at 68° F.
6. All reinforcing steel to have a clearance of 3" unless otherwise noted.
7. All exposed edges of concrete shall be chamfered 1" x 1" unless otherwise noted.
8. Borings indicated on the drawings have been made for design purposes only and are not warranted to show actual subsurface conditions.
9. El. datum sea level based on nearest U.S. Government Vertical control.
10. Steel bearing piles shall be driven to ledge rock unless otherwise approved by the Engineer. When piles are driven in fill. The material should be such as to have no stones large enough to interfere with the driving of piles.
11. Cross slope of approach slab to conform with the cross slope of bridge.
12. The top surfaces of all piers and abutments shall be sloped ¼" per foot from the front edge of abutment curtain wall or center line of piers, except for bearing pads projecting 1" or more above the general area, which surfaces shall be level. The entire exposed top surface of abutment and piers shall be coated with asphaltic asbestos coating ½" thick as per item 407 of the specs. The application of this item shall be after all painting and incidental items are completed.
13. Unless otherwise called for all beams shall be cambered as specified on Standard Structures SCB-D1-G2
14. All expansion material shall be premoulded cork containing no tar or asphalt.

LIST OF BRIDGE SHEETS

SHEET NO.	TITLE
BR. # 400	PRELIMINARY INFORMATION
BR. # 401	PLAN & ELEVATION
BR. # 402	BORINGS
BR. # 403	DETAILS OF ABUTS. (NORTH & SOUTH)
BR. # 404	DETAILS OF PIER 1 & 2
BR. # 405	REINFORCING STEEL SCHEDULE
BR. ~~# 406~~ # 407	SB-AS G2
	SCB-30-~~G~~ G2
	~~SCB-D1-G2~~ SCB-D1-G2 THRU SCB-D1-G2
	SB-56-~~G~~ G2 SHEET 1 & 2
	~~SB-AS-G2~~
	~~SB-SC-G2~~
	Std. E-2, Barricades, Signs & Lights (For Bridges)

SWANTON
IM 089-3(70)
SHEET 25 OF 31
FOR REFERENCE ONLY

ESTIMATED SUPERSTRUCTURE QUANTITIES

ITEM*	ITEM	UNIT	NET			FINAL
* 361-B	BIT. CONC. PAVEMENT	TON		54		
401-AA	CONCRETE CLASS AA MOD.	C.Y.		~~184~~		183
402	REINFORCING STEEL	LB.	SEE	REINF.	SCHEDULE	
403	SPIRAL REINF. @ STA. 70+74 2040	L.S.		1 V		1
* 318	TAR EMULSION FOR BRIDGE FLOORS	GAL.		216		
404-A	STRUCTURAL STEEL	LB.		~~156,220~~		136,172
556-C	GRANITE BRIDGE CURB MOD.	L.F.		324		323
572	BRIDGE RAILING (GALVANIZED METAL)	L.F.		315 V		315
* 378-A	JOINT SEALER HOT POURED	L.F.			60	
373	RUBBER JOINT MATERIAL	L.F.		~~128~~		122
	APPROACH SLAB QUANTITIES					
* 361-B	BIT. CONC. PAVE.	TON		12		
401-B	CONCRETE CLASS B, MOD	C.Y.		~~50~~		49
402	REINFORCING STEEL	LB.	SEE	REINF.	SCHEDULE	
556-C	GRANITE BRIDGE CURB MOD.	L.F.		32 V		32
* 318	TAR EMULSION FOR BRIDGE FLOORS	GAL.		54		

* Note These items to be included in roadway quantities

STAGE I & II CONSTRUCTION

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF SWANTON - HIGHGATE
ROAD NO. I-89 BRIDGE NO.
INTERSTATE OVER ROUTE 78
PLAN & ELEVATION (N.B.)
SCALE 1" = 10'-0"
SURVEYED BY A.J.C. (N.B.) J.J.C. (N.B.)
DRAWN BY A.J.C. CHECKED BY
PROJECT NO. I 89-3 (38)
SHEET 142 OF 246