

REVISIONS AND CORRECTIONS

APPROVED

DRAWN BY: R.S. HAUPT NOV. 1960

TRACED BY: R.S. HAUPT NOV. 1960

CHECKED BY: A.H. SMALLEY NOV. 1960

Recommended For Approval: *[Signature]* 11/1/60

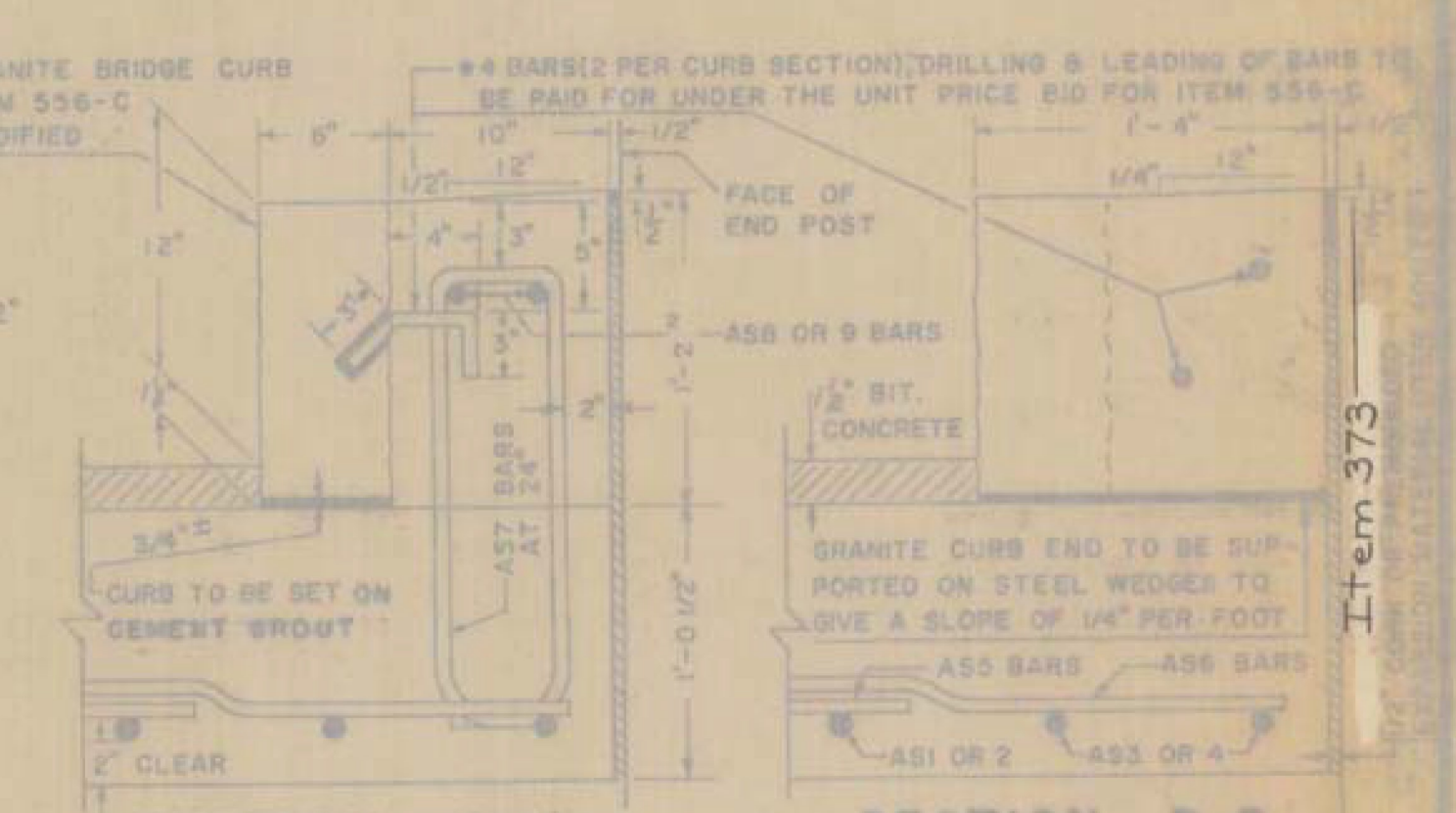
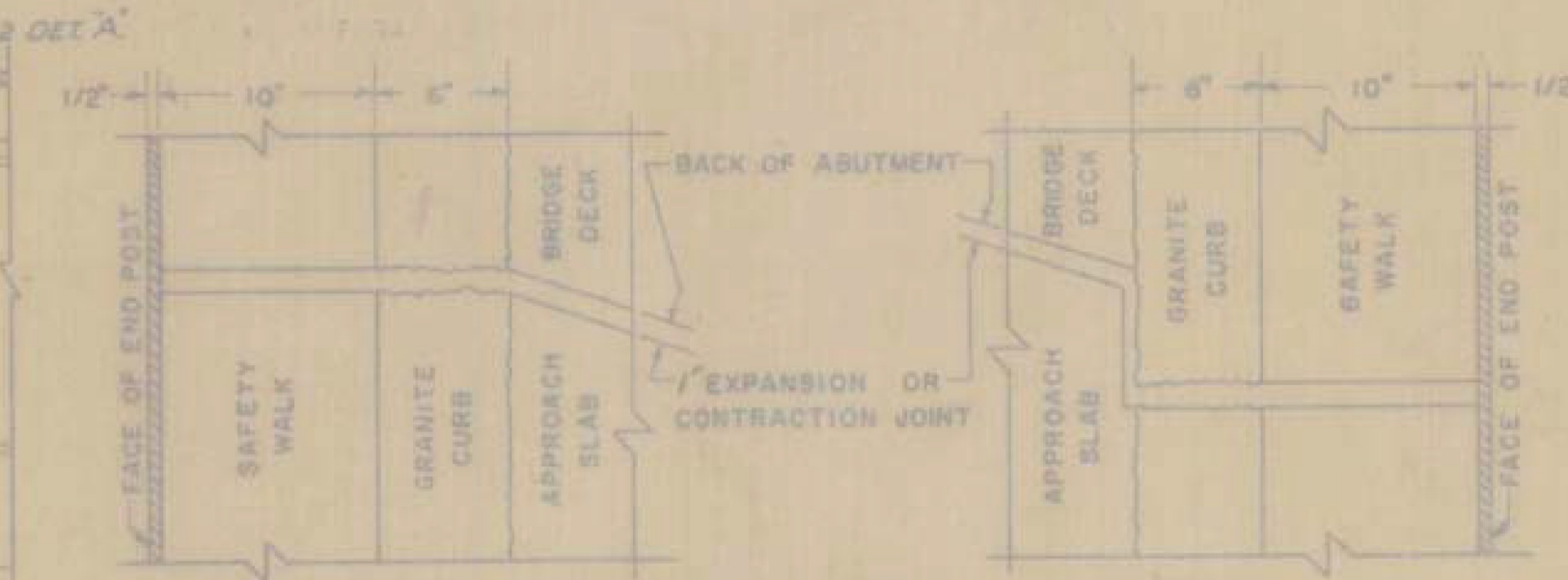
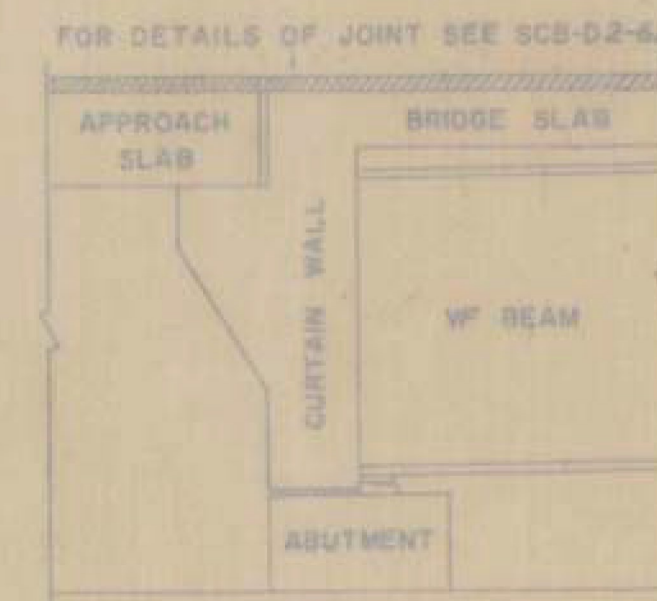
Recommended For Approval: *[Signature]* 11/1/60

Approved By: *[Signature]* 11/1/60

30' ROADWAY				38' ROADWAY				42' ROADWAY				44' ROADWAY				ROADWAY			
NO. PIECES	SIZE	LENGTH	REMARKS	NO. PIECES	SIZE	LENGTH	REMARKS	NO. PIECES	SIZE	LENGTH	REMARKS	NO. PIECES	SIZE	LENGTH	REMARKS	NO. PIECES	SIZE	LENGTH	REMARKS
2	10	7'-0"	AS3 STR.	2	10		AS3 STR.	2	10		AS3 STR.	2	10		AS3 STR.	2	10		AS3 STR.
2	10	7'-0"	AS4 STR.	2	10		AS4 STR.	2	10		AS4 STR.	2	10		AS4 STR.	2	10		AS4 STR.
16	5	3'-6"	AS6 STR.	5	3'-6"		AS6 STR.	5	3'-6"		AS6 STR.	5	3'-6"		AS6 STR.	5	3'-6"		AS6 STR.
8	5	5'-0"	AS7 S6	5	5'-0"		AS7 S6	5	5'-0"		AS7 S6	5	5'-0"		AS7 S6	5	5'-0"		AS7 S6
2	5	5'-4"	AS8 STR.	2	5		AS8 STR.	2	5		AS8 STR.	2	5		AS8 STR.	2	5		AS8 STR.
2	5	5'-4"	AS9 STR.	2	5		AS9 STR.	2	5		AS9 STR.	2	5		AS9 STR.	2	5		AS9 STR.

REMARKS: ASI BAR DIMENSION VARIES FROM 19'-6" TO 20'-7" (IN FEET) + 4 (IN FEET) = NUMBER OF PIECES. CUT BARS IN THE FIELD USING CUT OFF PIECES ON OPPOSITE HALF OF SLAB. AS2 BARS MAY BE DIVIDED INTO TWO OR MORE PIECES, AS MAY BE NECESSARY, TO LIMIT THE MAXIMUM BAR LENGTH TO 30 FEET. THE LOCATION OF SPLICES IS LEFT TO THE OPTION OF THE DESIGNER. THE NO. PIECES SHOWN ARE FOR CONDITION 1 (FOR CONDITION 2, 3, SEE REINF. SCHEDULE.)

GENERAL NOTES: ALL REINFORCING STEEL SHALL BE DETAILED ON THE REINFORCING STEEL SCHEDULE. WHEN A BAR LENGTH VARIES IN INCREMENTS EACH BAR MUST BE DETAILED. SPLICES SHALL BE 2'-1" FOR NUMBER 5 BARS, AND 4'-3" FOR NUMBER 10 BARS. ALL WORK AND MATERIALS SHALL CONFORM TO THE STATE OF VERMONT, DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED JANUARY 1956, AND THE A.S.H.O. SPECIFICATIONS DATED 1962. DESIGNED FOR H20-S16-44.



DETAILS OF REINFORCING BARS				REINFORCING STEEL				QUANTITY COMPUTATION					
TYPE I		TYPE S6 C		A	B	C	A X B X C	W = WIDTH OF ROADWAY	Z = 20 + DIMENSION	T = DIMENSION			
A = 1'-1"	J = 0'-9"	A = 0'-6"	B = 1'-9"	BAR NO.	NO. PIECES	LENGTH	WEIGHT PER FT.	W = 30	Z = 20	T = 7'-6"			
B = 19'-6" OR VARIES		C = 0'-6"	D = 1'-9"	AS1	30	20'-7"	4.303	BITUMINOUS CONCRETE = W x Z x 0.0092 = TONS 30 x 20 x 0.0092 = 5.52 TONS					
		G = 0'-6"		AS2			4.303	TAR EMULSION = W x Z x 0.0444 = GALLONS 30 x 20 x 0.0444 = 26.64 GALLONS					
				AS3	2	7'-0"	4.303	CONCRETE CLASS B = W x Z x 0.0386 + T x 0.1029 + (T - 18.333) x 0.0733 = CUBIC YARDS					
				AS4	2	7'-0"	4.303	[30 x 20 x 0.0386] + [7.5 x 0.1029] + [7.5 - 18.333] x 0.0733 = 24.35 CUBIC YARDS					
				AS5	20	29'-6"	1.043	GRANITE BRIDGE CURB = 2(T + 0'-3") x LINEAR FEET 2(7.5 + 0.25) x 15.50 = 15.50 LINEAR FEET					
				AS6	16	3'-6"	1.043	BAR LENGTHS: AS3 BARS = DIMENSION "M" - 0'-6"					
				AS7	8	5'-0"	1.043	AS4 BARS = DIMENSION "N" - 0'-6"					
				AS8	2	5'-4"	1.043	AS6 BARS = 3'-6"					
				AS9	2	5'-4"	1.043	AS7 BARS = 5'-0"					
				AS10			1.043	AS8 BARS = DIMENSION "M" - 2'-2"					
								AS9 BARS = DIMENSION "N" - 2'-2"					
								TOTAL WEIGHT = 3514					

DETAILS OF APPROACH SLAB #2 N.B. FOR 30 FOOT BRIDGE (WIDTH)

TO BE USED FOR BRIDGE AT STATION 604+73.5

LOCATION I 89 over Route Vt. 78

STATE OF VERMONT DEPARTMENT OF HIGHWAYS STANDARD STRUCTURE SB-AS-60

TOWN OF Swanton-Highgate ROUTE NO. I 89 LOG STA. 604+73.5

SCALE AS NOTED

DESIGNED BY A.J.C. CHECKED BY J.J.C.

PROJECT NO. I 89-3(2) (3a)

BR. 407 OF 407 SHEET 120 OF 246

Call 3,520

Stage I & II Construction

Sheet 122 of 122

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