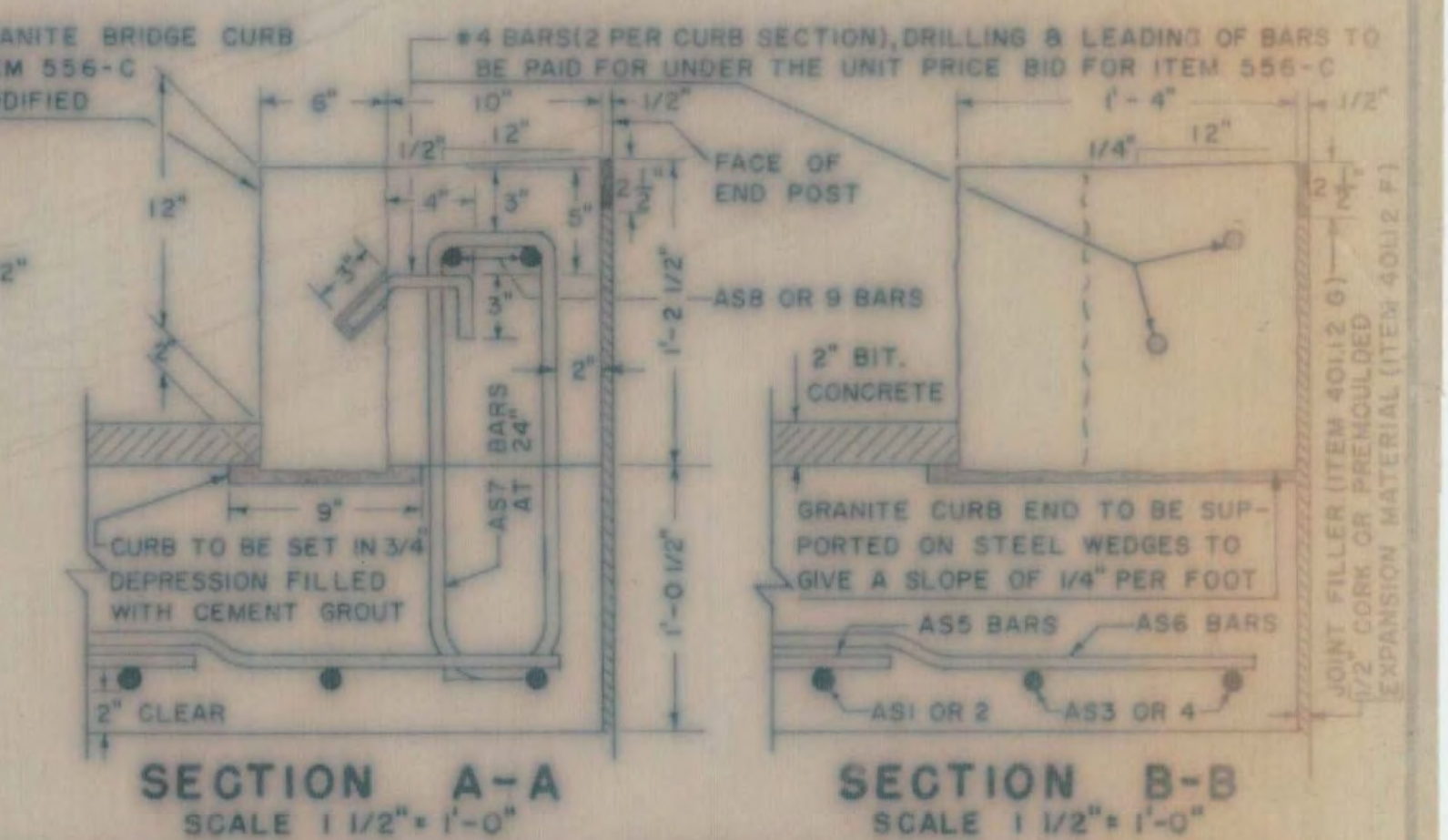
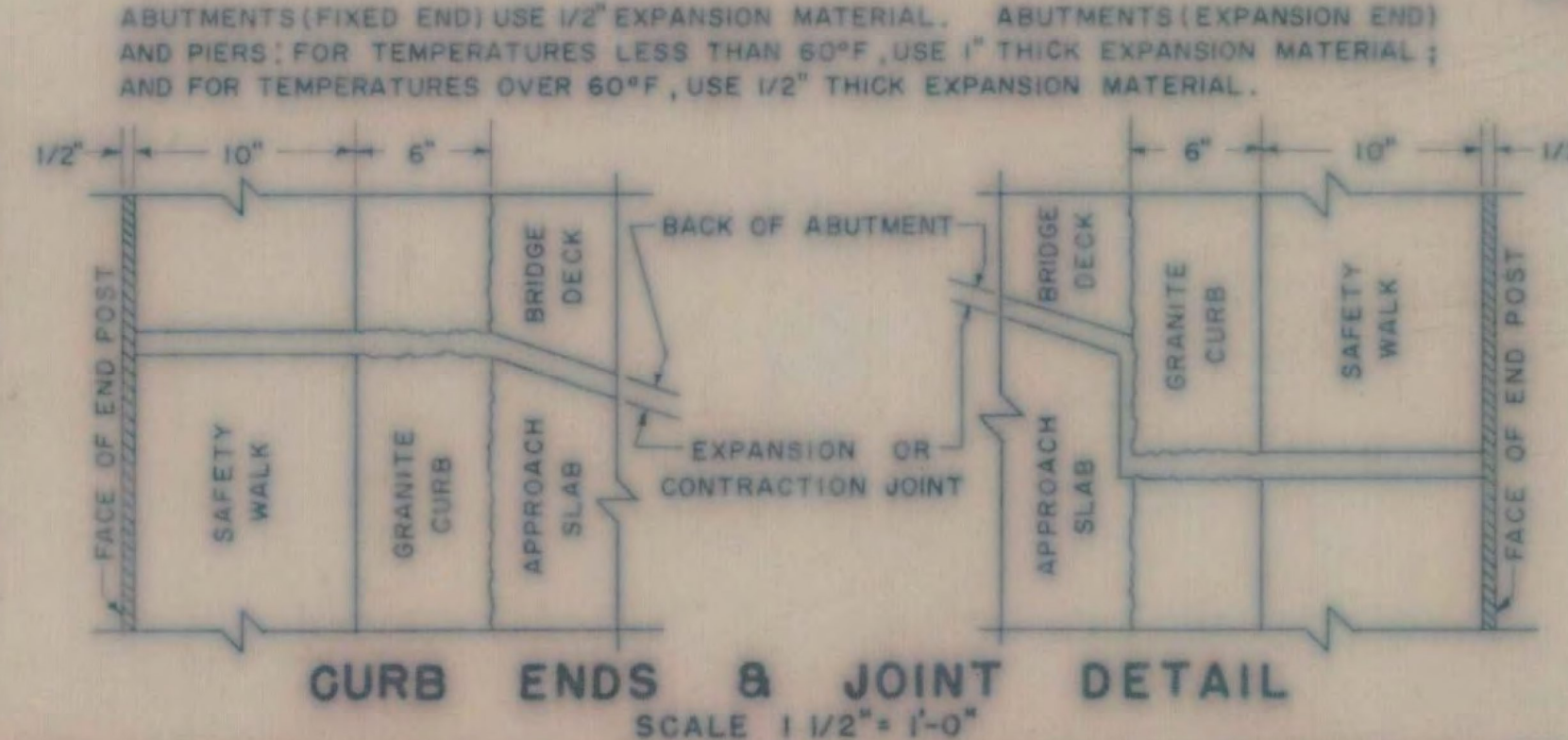
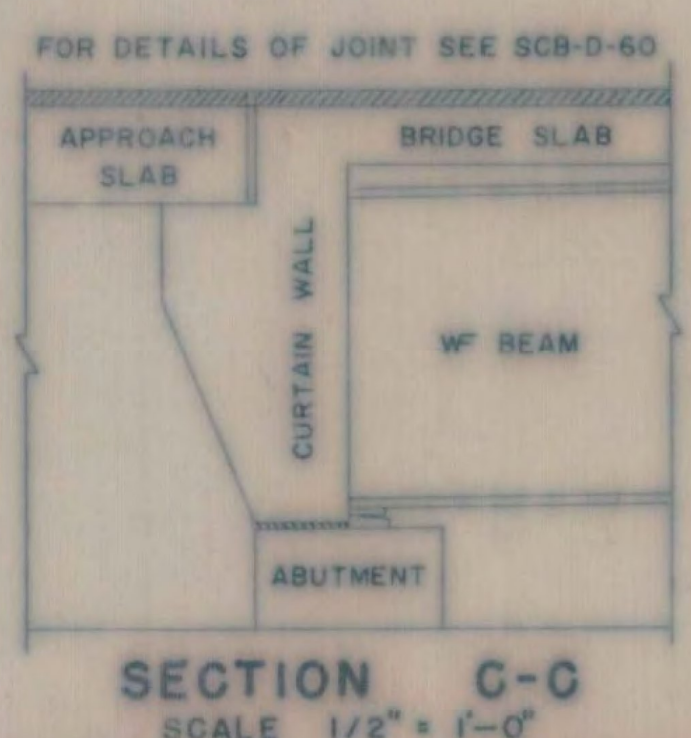


30' ROADWAY					38' ROADWAY					42' ROADWAY					44' ROADWAY					ROADWAY				
NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS
SQUARE OR SKEWED					SQUARE OR SKEWED					SQUARE OR SKEWED					SQUARE OR SKEWED					SQUARE OR SKEWED				
2	10		AS3	STR.	2	10	7'-0"	AS3	STR.	2	10		AS3	STR.	2	10		AS3	STR.	2	10		AS3	STR.
2	10		AS4	STR.	2	10	7'-0"	AS4	STR.	2	10		AS4	STR.	2	10		AS4	STR.	2	10		AS4	STR.
5	5	3'-6"	AS6	STR.	14	5	3'-6"	AS6	STR.	5	5	3'-6"	AS6	STR.	5	5	3'-6"	AS6	STR.	5	5	3'-6"	AS6	STR.
5	5	5'-0"	AS7	S6	8	5	5'-0"	AS7	S6	5	5	5'-0"	AS7	S6	5	5	5'-0"	AS7	S6	5	5	5'-0"	AS7	S6
2	5		AS8	STR.	2	5	5'-4"	AS8	STR.	2	5		AS8	STR.	2	5		AS8	STR.	2	5		AS8	STR.
2	5		AS9	STR.	2	5	5'-4"	AS9	STR.	2	5		AS9	STR.	2	5		AS9	STR.	2	5		AS9	STR.
SQUARE					SQUARE					SQUARE					SQUARE					SQUARE				
30	10	20'-7"	AS1	I	38	10	20'-7"	AS1	I	42	10	20'-7"	AS1	I	44	10	20'-7"	AS1	I	10	10	20'-7"	AS1	I
20	5	29'-6"	AS5	STR.	40	5	19'-9"	AS5	STR.	40	5	21'-9"	AS5	STR.	40	5	22'-9"	AS5	STR.	5	5	20'-7"	AS5	STR.
SKEWED UP TO 15°					SKEWED UP TO 15°					SKEWED UP TO 15°					SKEWED UP TO 15°					SKEWED UP TO 15°				
30	10	AVE	AS1	I	38	10	20'-9" AVE	AS1	I	42	10	AVE	AS1	I	44	10	AVE	AS1	I	10	10	AVE	AS1	I
5	5	29'-6"	AS5	STR.	2	5	19'-9"	AS5	STR.	3	5	21'-9"	AS5	STR.	3	5	22'-9"	AS5	STR.	3	5	20'-7"	AS5	STR.
ALL SKEWED SPANS					ALL SKEWED SPANS					ALL SKEWED SPANS					ALL SKEWED SPANS					ALL SKEWED SPANS				
2	5		AS10	STR.	2	5	20'-1"	AS10	STR.	5	5		AS10	STR.	5	5		AS10	STR.	5	5		AS10	STR.
ABOVE 15° SKEW					ABOVE 15° SKEW					ABOVE 15° SKEW					ABOVE 15° SKEW					ABOVE 15° SKEW				
30	10	20'-7"	AS1	I	38	10	20'-7"	AS1	I	42	10	20'-7"	AS1	I	44	10	20'-7"	AS1	I	10	10	20'-7"	AS1	I
29	10	AVE	AS2	STR.	4	37	10	AVE	AS2	STR.	4	41	10	AVE	AS2	STR.	4	43	10	AVE	AS2	STR.	4	10
5	5	29'-6"	AS5	STR.	2	5	19'-9"	AS5	STR.	3	5	21'-9"	AS5	STR.	3	5	22'-9"	AS5	STR.	3	5	20'-7"	AS5	STR.

REMARKS: ① ASI BAR "B" DIMENSION VARIES FROM 19'-6" TO 20'-0". ② 20 + DIMENSION (P*H) + 4 (IN FEET) * NUMBER OF PIECES. CUT BARS IN THE FIELD USING CUT OFF PIECES ON OPPOSITE HALF OF SLAB. ③ 40 + DIMENSION (P*H) + 2 (IN FEET) * NUMBER OF PIECES. CUT BARS IN THE FIELD USING CUT OFF PIECES ON OPPOSITE HALF OF SLAB. ④ THE LENGTH OF AS2 BARS VARIES FROM TO . THE 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.A.S.H.O. SPECIFICATIONS DATED 1957. DESIGNED FOR H20-S16-44



DETAILS OF REINFORCING BARS					REINFORCING STEEL					QUANTITY COMPUTATION							
TYPE I					TYPE S6					C							
A = 1'-1"	J = 0'-9"				A = 0'-6"					BAR NO.	A	B	C	A X B X C	W = WIDTH OF ROADWAY	Z = 20 + DIMENSION	T = DIMENSION
B = 19'-6" OR VARIES					B = 1'-9"					PIECES	NO.	LENGTH	WEIGHT PER FT.	WEIGHT IN LBS.	W = 38	Z = 20.2	T = 7.5
A					B					AS1	38	20.75	4.303	3392.9	BITUMINOUS CONCRETE * W x Z x 0.0123 = TONS		
B					C					AS2			4.303		TAR EMULSION * W x Z x 0.0444 = GALLONS		
										AS3	2	7.0	4.303	60.2	CONCRETE CLASS B * W x Z x 0.0386 + T x 0.1029 + (T - 1.8333) x 0.0733 = CUBIC YARDS		
										AS4	2	7.0	4.303	60.2	[38 x 20.2 x 0.0386] + [7.5 x 0.1029] + [(7.5 - 1.8333) x 0.0733] = 31 CUBIC YARDS		
										AS5	40	19.75	1.043	824.0	GRANITE BRIDGE CURB * 2(T + 0'-3") * LINEAR FEET		
										AS6	14	3'-6"	1.043	51.1	ADD AN OVERRUN OF 15% TO BIT. CONCRETE, AND AN OVERRUN OF 5% TO CONCRETE CLASS B		
										AS7	8	5'-0"	1.043	41.7	BAR LENGTHS: AS3 BARS = DIMENSION "M" - 0'-6"		
										AS8	2	5.33	1.043	11.1	AS4 BARS = DIMENSION "N" - 0'-6"		
										AS9	2	5.33	1.043	11.1	AS6 BARS = 3'-6"		
										AS10	2	20.08	1.043	41.9	AS7 BARS = 5'-0"		
										TOTAL WEIGHT = 4499.2					AS8 BARS = DIMENSION "M" - 2'-2"		
															AS9 BARS = DIMENSION "N" - 2'-2"		

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

CORRECT: Nov 21 1960 *Am. Engrs.* BRIDGE ENGINEER

APPROVED: Nov 22 1960 *A.H.S.* CHIEF ENGINEER

DETAILS OF APPROACH SLAB FOR 38 FOOT BRIDGE TO BE USED FOR BRIDGE AT STATION 1907+70 LOCATION INTERSTATE OVER MUDDY BROOK (SOUTHBOUND ROADWAY) APPROACH SLAB No. 1

WILLISTON - GEORGIA IM MEMB(25) SHEET 15 OF 38 BRIDGES 63 N AND S FOR REFERENCE ONLY

SB-AS-60

TOWN OF WILLISTON - S. BURLINGTON ROUTE NO. I 89 LOG STA. SCALE AS NOTED DESIGNED BY RSH CHECKED BY AHS PROJECT NO. I-89-3(14) Cont. #1 BR. 5 OF 10 SHEET 95 OF 115