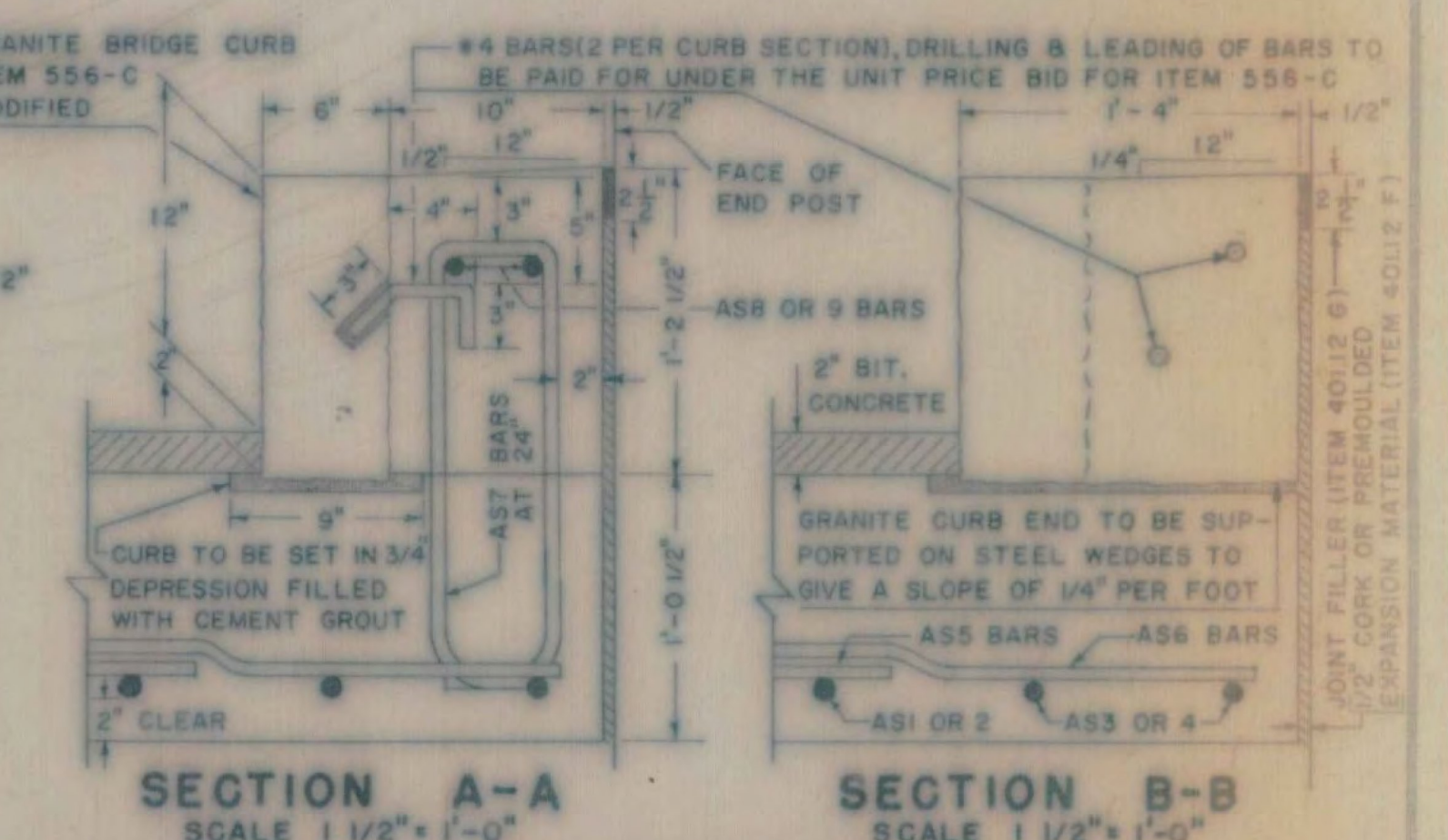
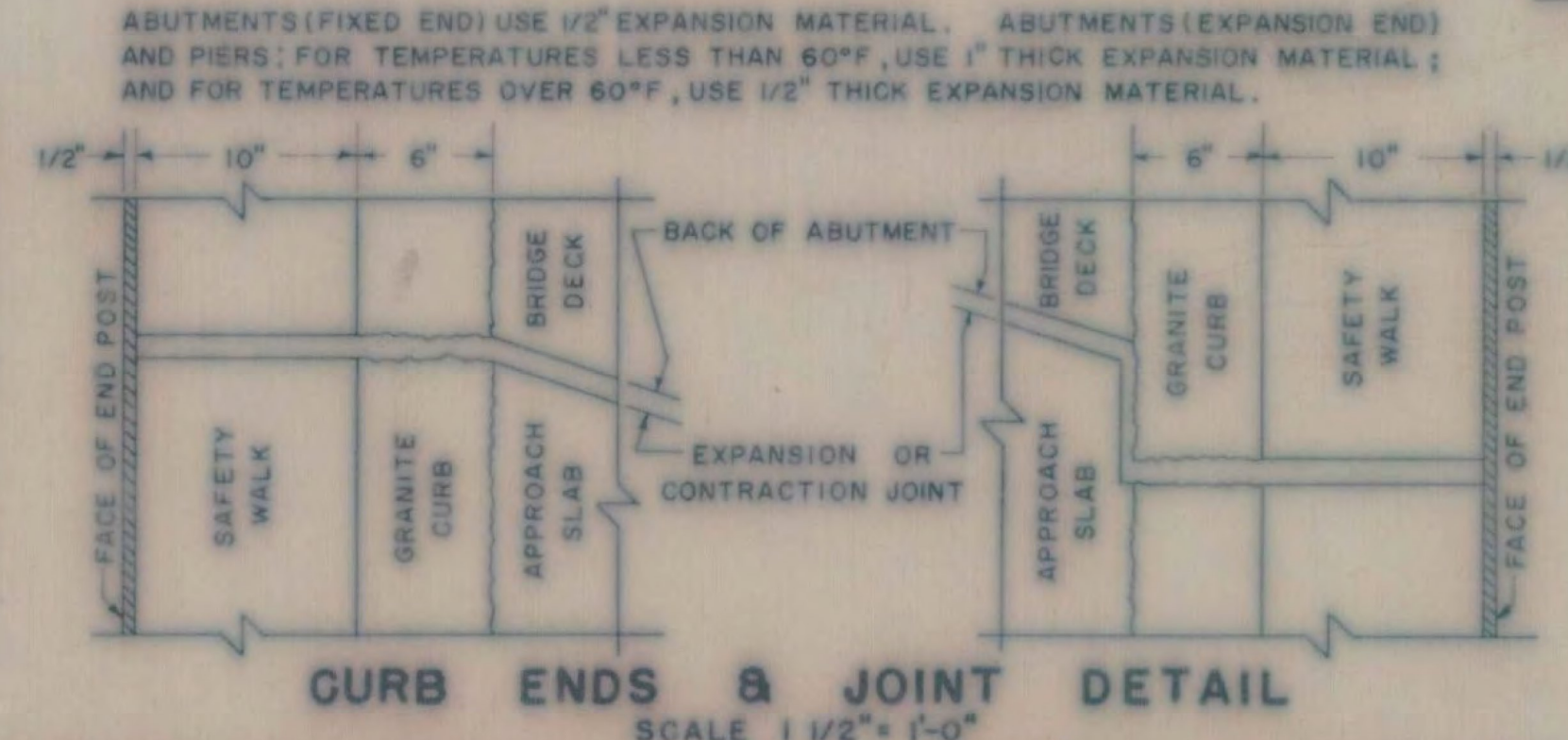
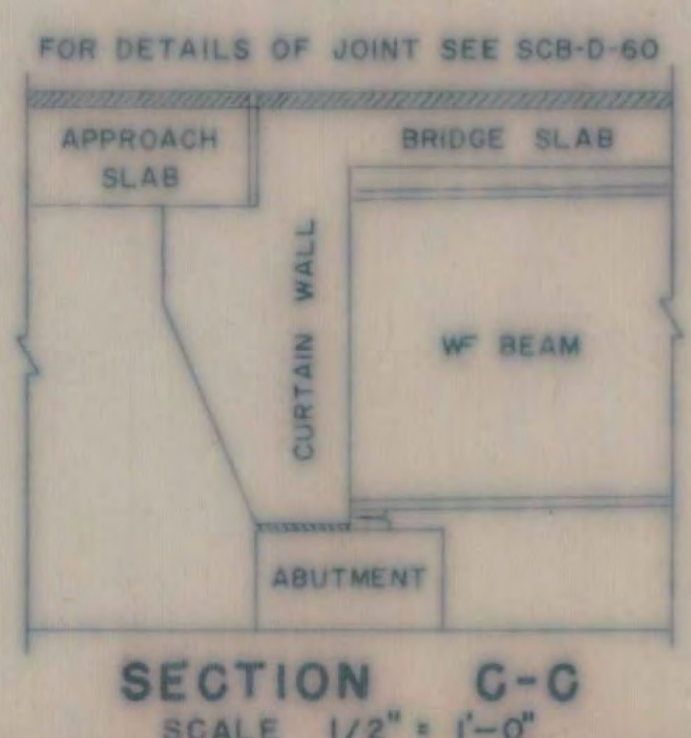


30' ROADWAY					38' ROADWAY					42' ROADWAY					44' ROADWAY					ROADWAY												
NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS								
SQUARE OR SKEWED					SQUARE OR 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		AS3	STR.			
2	10		AS4	STR.	2	10	7'-0"	AS4	STR.	2	10		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	3'-6"	AS6	STR.			
5	5	5'-0"	AS7	STR.	8	5	5'-0"	AS7	STR.	5	5	5'-0"	AS7	STR.	5	5	5'-0"	AS7	STR.	5	5	5'-0"	AS7	STR.	5	5	5'-0"	AS7	STR.			
2	5		AS8	STR.	2	5	5'-4"	AS8	STR.	2	5		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.	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	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	22'-9"	AS5	STR.	5	5	22'-9"	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	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	22'-9"	AS5	STR.	3	5	22'-9"	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.	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	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	AVE	AS2	STR.	4	10	AVE	AS2	STR.
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	22'-9"	AS5	STR.	3	5	22'-9"	AS5	STR.			

REMARKS: ① ASI BAR "I" DIMENSION VARIES FROM 19'-6" TO 20'-0". ② 20 + DIMENSION (P+L) ÷ 4 (IN FEET) = NUMBER OF PIECES. CUT BARS IN THE FIELD USING CUT OFF PIECES ON OPPOSITE HALF OF SLAB. ③ 40 + DIMENSION (P+L) ÷ 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	B	C	A X B X C	W = WIDTH OF ROADWAY	Z = 20 + DIMENSION (P+L) ÷ 4	T = DIMENSION (M+R) ÷ 2		
A = 1'-1"	J = 0'-9"	A = 0'-6"	B = 1'-9"	C = 0'-6"	BAR NO.	NO. PIECES	LENGTH	WEIGHT PER FT.	W = 38	Z = 20.2	T = 7.5		
B = 19'-6" OR VARIES		D = 1'-9"	G = 0'-6"		ASI	38	20.75	4.303	BITUMINOUS CONCRETE = W x Z x 0.0123 x TONS = 38 x 20.2 x 0.0123 = 9.4 TONS				
					AS2			4.303	TAR EMULSION = W x Z x 0.0444 x GALLONS = 38 x 20.2 x 0.0444 = 34 GALLONS				
					AS3	2	7.0	4.303	CONCRETE CLASS B = W x Z x 0.0386 + T x 0.029 + (T - 1.8333) x 0.0733 = CUBIC YARDS				
					AS4	2	7.0	4.303	[38 x 20.2 + 0.0386] + [7.5 x 0.029] + [7.5 - 1.8333] x 0.0733 = 31 CUBIC YARDS				
					AS5	40	19.75	1.043	GRANITE BRIDGE CURB = 2(T + 0'-3") x LINEAR FEET = 2(7.5 + 0.25) x 15.5 = 240.5 LINEAR FEET				
					AS6	14	3'-6"	1.043	ADD AN OVERRUN OF 15% TO BIT. CONCRETE, AND AN OVERRUN OF 5% TO CONCRETE CLASS B				
					AS7	8	5'-0"	1.043	BAR LENGTHS: AS3 BARS = DIMENSION "M" - 0'-6"				
					AS8	2	5'-3"	1.043	AS4 BARS = DIMENSION "R" - 0'-6"				
					AS9	2	5'-3"	1.043	AS6 BARS = 3'-6"				
					AS10	2	20'-0"	1.043	AS7 BARS = 5'-0"				
									AS8 BARS = DIMENSION "M" - 2'-2"				
									AS9 BARS = DIMENSION "R" - 2'-2"				
									TOTAL WEIGHT = 4494.2				

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 [Signature] BRIDGE ENGINEER

APPROVED: Nov 22, 1960 [Signature] CHIEF ENGINEER

DETAILS OF APPROACH SLAB FOR 38 FOOT BRIDGE (WIDTH)

TO BE USED FOR BRIDGE AT STATION 1907+70

LOCATION INTERSTATE OVER MUDDY BROOK (SOUTHBOUND ROADWAY)

APPROACH SLAB NO 2

WILLISTON - GEORGIA

IM MEMB(25)

SHEET 16 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. 6 OF 10 SHEET 96 OF 115