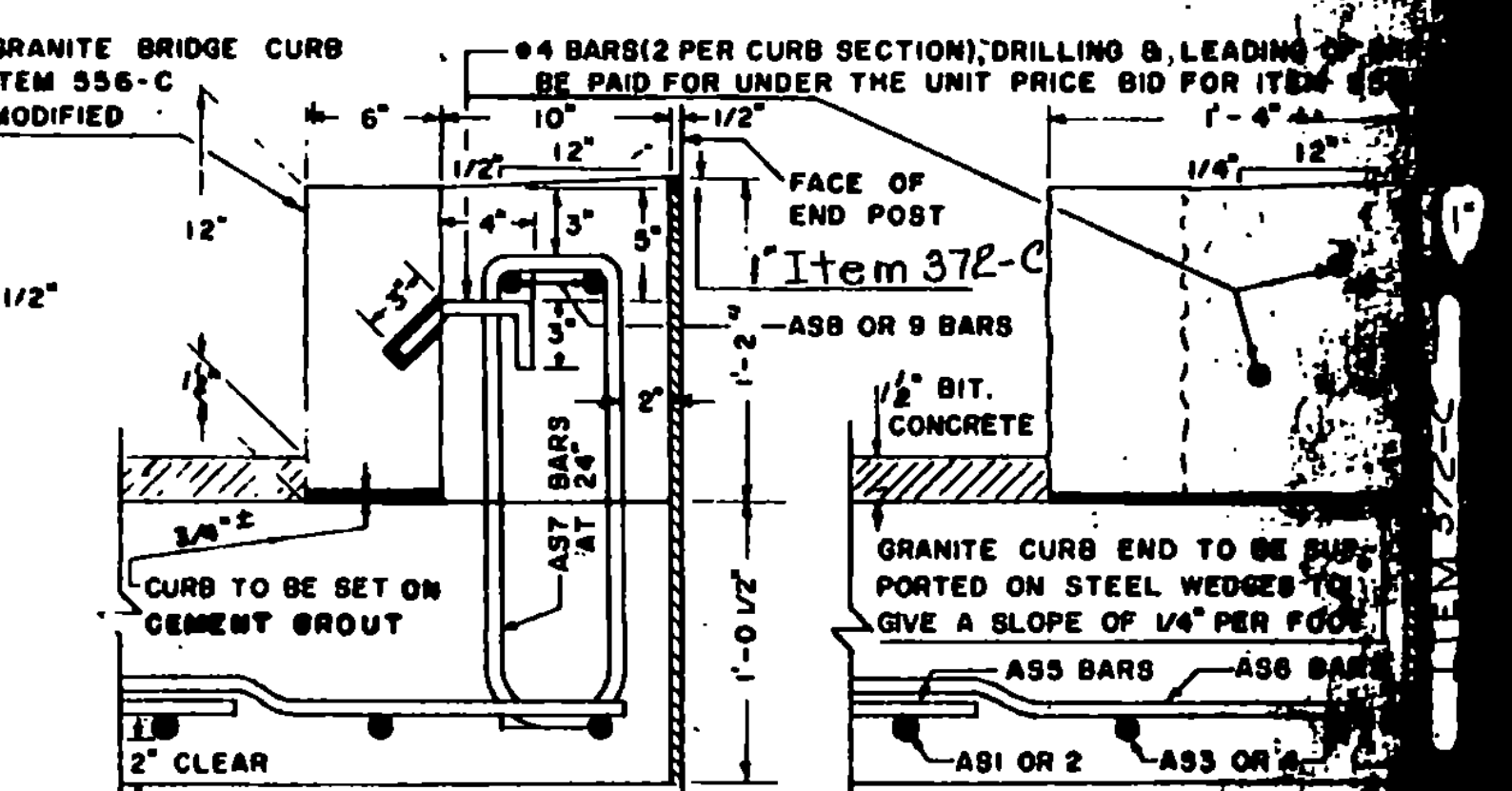
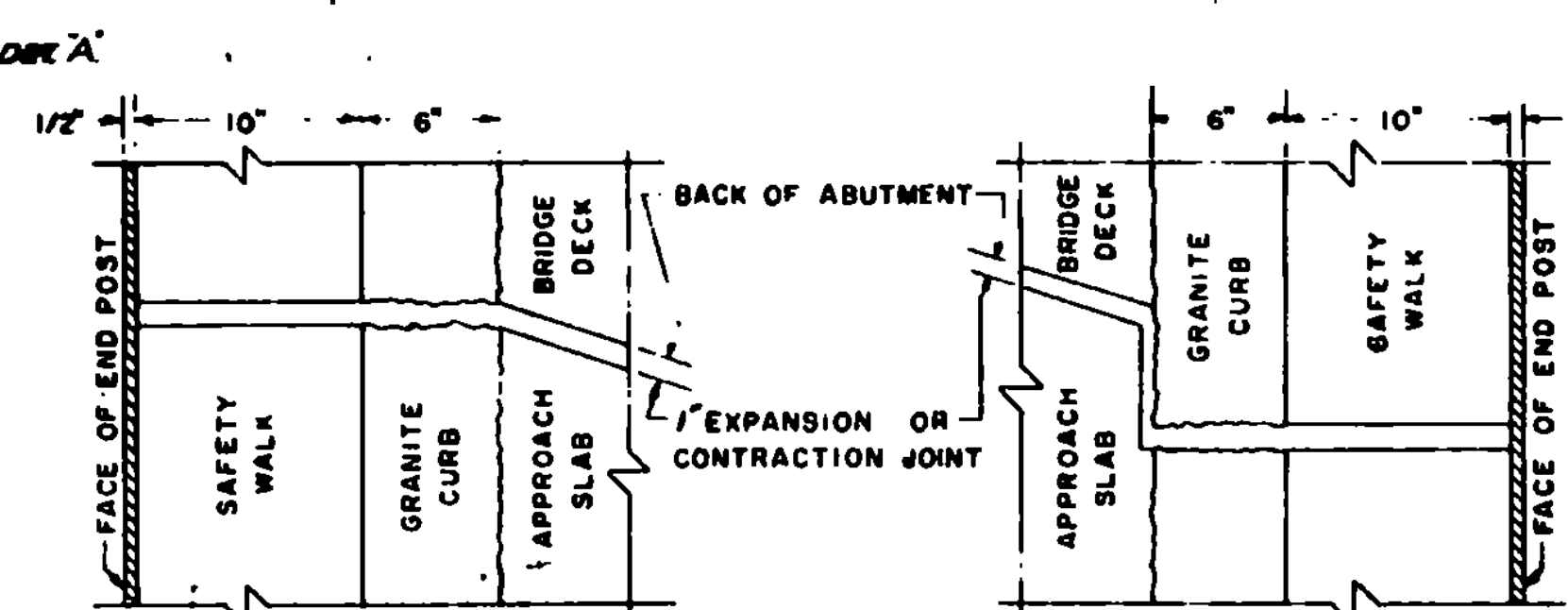
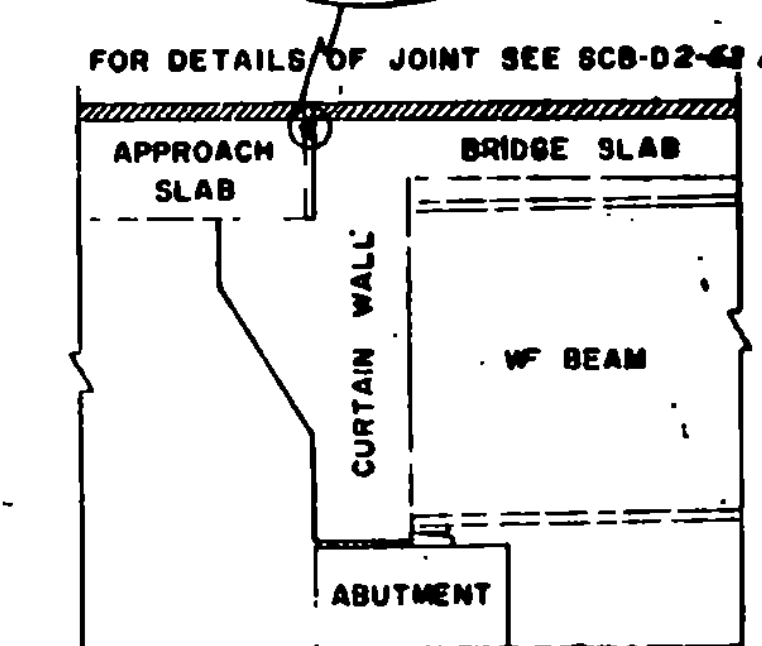
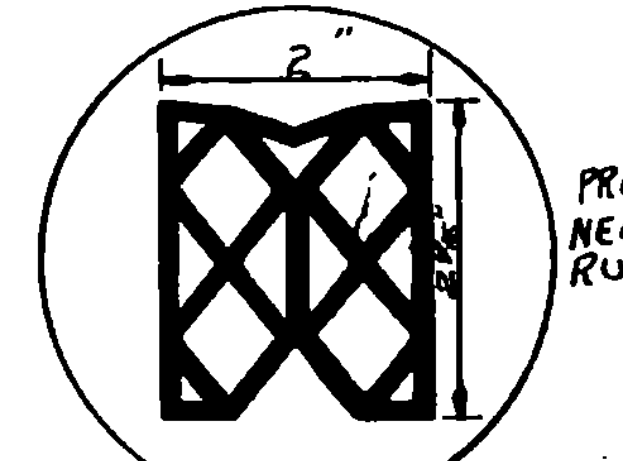


30' ROADWAY					38' ROADWAY					42' ROADWAY					44' ROADWAY					40' ROADWAY				
NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS	NO. PIECES	SIZE	LENGTH	MARK	REMARKS
SQUARE OR SKEWED					SQUARE OR SKEWED					SQUARE OR SKEWED					SQUARE OR SKEWED					SQUARE OR SKEWED				
2	10	15'-0"	AS3	STR.	2	10		AS3	STR.	2	10		AS3	STR.	2	10		AS3	STR.	2	10		AS3	STR.
2	10	14'-10"	AS4	STR.	2	10		AS4	STR.	2	10		AS4	STR.	2	10		AS4	STR.	2	10		AS4	STR.
3	5	3'-6"	AS6	STR.	3	5	3'-6"	AS6	STR.	3	5	3'-6"	AS6	STR.	3	5	3'-6"	AS6	STR.	3	5	3'-6"	AS6	STR.
16	5	5'-0"	AS7	96	16	5	5'-0"	AS7	96	16	5	5'-0"	AS7	96	16	5	5'-0"	AS7	96	16	5	5'-0"	AS7	96
2	5	13'-4"	AS9	STR.	2	5		AS9	STR.	2	5		AS9	STR.	2	5		AS9	STR.	2	5		AS9	STR.
2	5	13'-2"	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	1	38	10	20'-7"	AS1	1	42	10	20'-7"	AS1	1	44	10	20'-7"	AS1	1	10	20'-7"	AS1	1	
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			AS5	STR.
SKEWED UP TO 15°					SKEWED UP TO 15°					SKEWED UP TO 15°					SKEWED UP TO 15°					SKEWED UP TO 15°				
30	10	20'-9" AVE	AS1	1	38	10	20'-9" AVE	AS1	1	42	10	20'-9" AVE	AS1	1	44	10	20'-9" AVE	AS1	1	10	20'-9" AVE	AS1	1	
2	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		AS5	STR.
ALL SKEWED SPANS					ALL SKEWED SPANS					ALL SKEWED SPANS					ALL SKEWED SPANS					ALL SKEWED SPANS				
1	5	29'-6"	ASIO	STR.	1	5	29'-6"	ASIO	STR.	1	5	29'-6"	ASIO	STR.	1	5	29'-6"	ASIO	STR.	1	5	29'-6"	ASIO	STR.
ABOVE 15° SKEW					ABOVE 15° SKEW					ABOVE 15° SKEW					ABOVE 15° SKEW					ABOVE 15° SKEW				
30	10	20'-7"	AS1	1	38	10	20'-7"	AS1	1	42	10	20'-7"	AS1	1	44	10	20'-7"	AS1	1	10	20'-7"	AS1	1	
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	29'-6"	AS5	STR.	2	5	19'-9"	AS5	STR.	3	5	21'-9"	AS5	STR.	3	5	22'-9"	AS5	STR.	3	5		AS5	STR.	3

REMARKS: ● ASI BAR "Y" DIMENSION VARIES FROM 19'-6" TO 22'-1" ● 20 + DIMENSION (P+L) ÷ 4 (IN FEET) × NUMBER OF PIECES. CUT BARS IN THE FIELD USING CUT OFF PIECES OPPOSITE HALF OF SLAB. ● 40 + DIMENSION (P+L) ÷ 2 (IN FEET) × NUMBER OF PIECES. CUT BARS IN THE FIELD USING CUT OFF PIECES ON OPPOSITE HALF OF SLAB. ● 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 1962. DESIGNED FOR MED-



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.	WEIGHT IN LBS.	W = 30'	Z = 21.3125'	T = 15.4427'	BITUMINOUS CONCRETE = W x Z x 0.0098 = TONS		30 x 21.3125 x 0.0098 = 5.88 TONS		TAR EMULSION = W x Z x 0.0444 = GALLONS		30 x 21.3125 x 0.0444 = 28.39 GALLONS				
B = 19'-6" OR VARIES		C = 0'-6"	D = 1'-9"	AS1	30	20'-9" AVE	4.303	2684	CONCRETE CLASS B = W x Z x 0.0386 + T x 0.1029 + (T - 1.8333) x 0.0733 = CUBIC YARDS		[30 x 21.3125 x 0.0386] + [15.4427 x 0.1029] + [(15.4427 - 1.8333) x 0.0733] = 17.21 CY		GRANITE BRIDGE CURB = 2(T + 0-3') x LINEAR FEET		2(15.4427 + 0.25) = 31.14 LBS		BAR LENGTHS: AS3 BARS = DIMENSION "M" - 0'-6"		AS4 BARS = DIMENSION "N" - 0'-6"			
		E = 0'-6"	G = 0'-6"	AS11	1	4'-0"	4.303	17									AS7 BARS = 3'-6"		AS8 BARS = DIMENSION "M" - 2'-2"		AS9 BARS = DIMENSION "N" - 2'-2"	
				AS3	2	15'-0"	4.303	129														
				AS4	2	14'-10"	4.303	128														
				AS5	2	29'-6"	1.043	646														
				AS6	32	3'-6"	1.043	117														
				AS7	16	5'-0"	1.043	83														
				AS8	2	13'-4"	1.043	28														
				AS9	2	13'-2"	1.043	27														
				ASIO	1	29'-6"	1.043	31														
				TOTAL				3890														
				FINAL				31														
				318	TAR EMULSION FOR BRIDGE FLOORS	GAL.		29														
				361-B	BITUMINOUS CONCRETE PAVEMENT (MOD.)	TONS		5.88														
				401-B	CONCRETE CLASS B (MOD.)	CY.		17.21														
				402	REINFORCING STEEL	LB.		3890														
				556-C	GRANITE BRIDGE CURB (MOD.)	L.F.		31														

REVISIONS AND CORRECTIONS

APPROVED

DRAWN BY: R.S. HAUPT NOV. 1960

TRACED BY: R.S. HAUPT NOV. 1960

CHECKED BY: A.M. SMALLEY NOV. 1960

Recommended For Approval: *[Signature]* 11/11/62 Bridge Engineer Date

Recommended For Approval: *[Signature]* Asst. Chief Engineer Date

DETAILS OF APPROACH SLAB #1 FOR 30 FOOT BRIDGE (WIDTH)

TO BE USED FOR BRIDGE AT STATION 30+17.34

LOCATION U.S. Route 5 over E.P.I.

STATE OF VERMONT DEPARTMENT OF HIGHWAYS STANDARD STRUCTURE LOG # 106

TOWN OF WINDSOR ROUTE NO. 5

Stage I-C