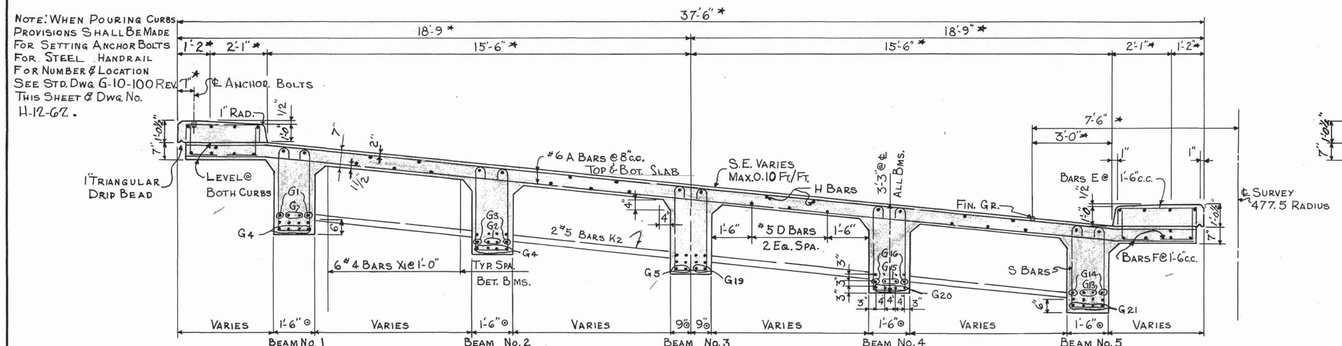
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	TENN.		19	46	145

I-75-3(9)85

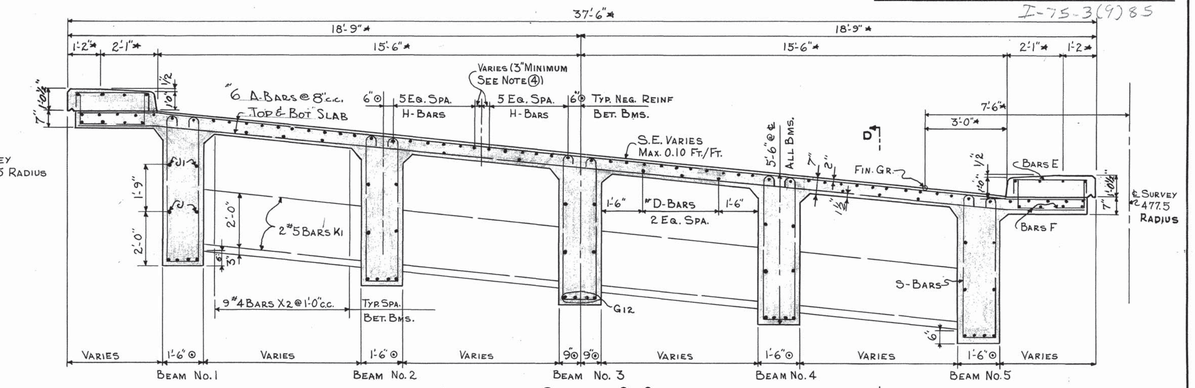
NOTE: WHEN POURING CURBS PROVISIONS SHALL BE MADE FOR SETTING ANCHOR BOLTS FOR STEEL HANDRAIL FOR NUMBER & LOCATION SEE STD. DWG. G-10-100 REV. THIS SHEET & DWG. NO. H-12-G2.



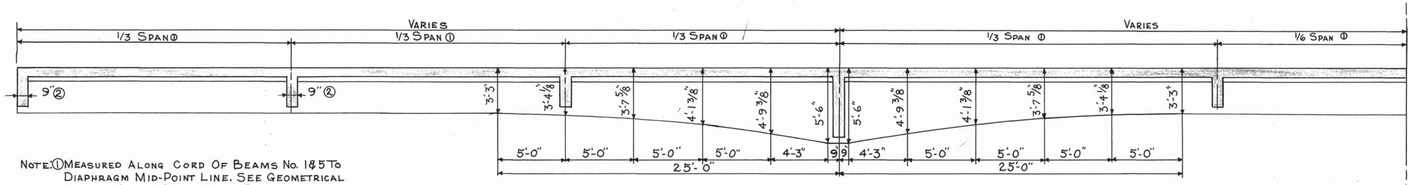
HALF SECTION A-A
LOOKING FORWARD ON SURVEY
SPAN No. 2 - SPAN No. 4 SIMILAR

HALF SECTION B-B
SPAN No. 3
LOOKING FORWARD ON SURVEY

* MEASURED RADIALLY
⊙ MEASURED @ RIGHT ANGLE TO BEAM



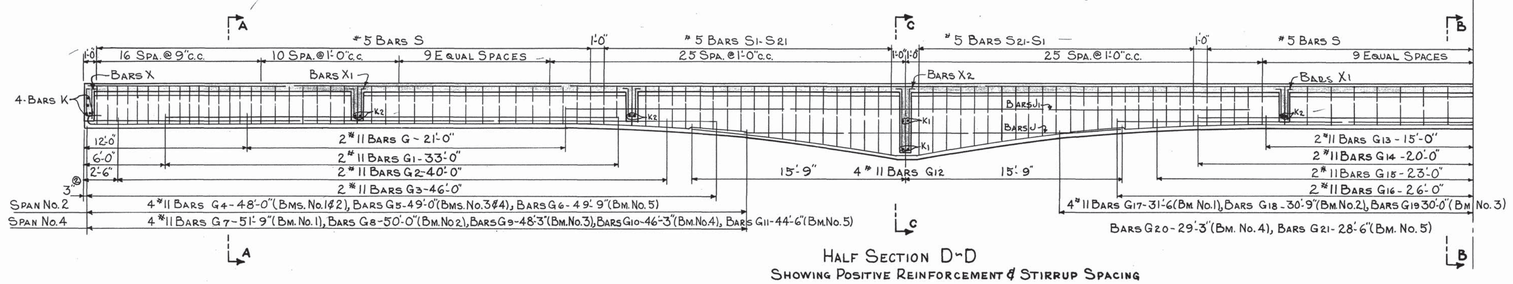
SECTION C-C
LOOKING FORWARD ON SURVEY



NOTE: ① MEASURED ALONG CORD OF BEAMS No. 1 & 5 TO DIAPHRAGM MID-POINT LINE. SEE GEOMETRICAL LAYOUT SHEET & PART SLAB PLAN.
② MEASURED @ RIGHT ANGLE TO DIAPHRAGM

HALF SECTION D-D
SHOWING BEAM ORDINATES

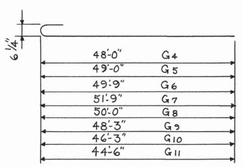
SYMM. ABOUT ℄ EXCEPT AS SHOWN



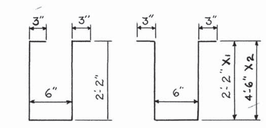
HALF SECTION D-D
SHOWING POSITIVE REINFORCEMENT & STIRRUP SPACING

BILL OF STEEL FOR BEAMS

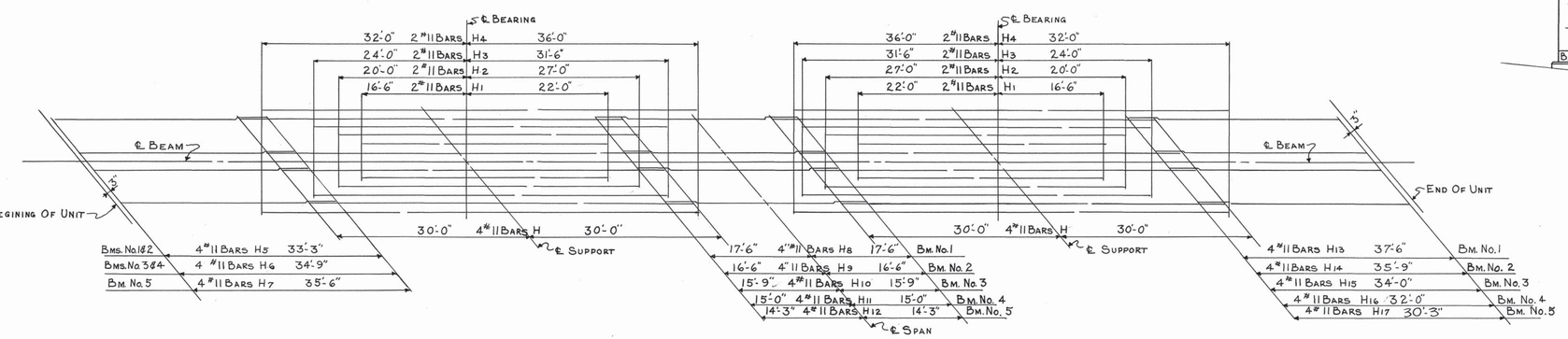
BAR	No.	SIZE	LENGTH	BAR	No	SIZE	LENGTH	BAR	No.	SIZE	DIM "A"	LENGTH
G	2.0	#11	21'-0"	H2	2.0	#11	47'-0"	S	52.5	#5	2'-11"	8'-0"
G1	2.0	"	33'-0"	H3	2.0	"	55'-6"	S1	2.0	"	2'-11½"	8'-1"
G2	2.0	"	40'-0"	H4	2.0	"	72'-3"	S2	2.0	"	3'-0"	8'-2"
G3	2.0	"	46'-0"	H5	8	"	33'-3"	S3	2.0	"	3'-0½"	8'-3"
G4	8	"	49'-0"	H6	8	"	34'-9"	S4	2.0	"	3'-1"	8'-4"
G5	8	"	50'-0"	H7	4	"	35'-6"	S5	2.0	"	3'-1½"	8'-5"
G6	4	"	50'-9"	H8	4	"	35'-0"	S6	2.0	"	3'-2½"	8'-6"
G7	4	"	52'-9"	H9	4	"	33'-0"	S7	2.0	"	3'-3½"	8'-8"
G8	4	"	51'-0"	H10	4	"	31'-6"	S8	2.0	"	3'-4½"	8'-10"
G9	4	"	49'-3"	H11	4	"	30'-0"	S9	2.0	"	3'-5½"	9'-0"
G10	4	"	47'-3"	H12	4	"	28'-6"	S10	2.0	"	3'-6½"	9'-2"
G11	4	"	45'-6"	H13	4	"	37'-6"	S11	2.0	"	3'-8"	9'-5"
G12	40	"	32'-0"	H14	4	"	35'-9"	S12	2.0	"	3'-9½"	9'-8"
G13	10	"	30'-0"	H15	4	"	34'-0"	S13	2.0	"	3'-11"	9'-11"
G14	10	"	40'-0"	H16	4	"	32'-0"	S14	2.0	"	4'-0½"	10'-2"
G15	10	"	46'-0"	H17	4	#11	30'-3"	S15	2.0	"	4'-2"	10'-5"
G16	10	"	52'-0"	J	2.0	#4	25'-0"	S16	2.0	"	4'-3½"	10'-8"
G17	4	"	67'-3"	J1	2.0	#4	50'-0"	S17	2.0	"	4'-5"	10'-11"
G18	4	"	65'-9"	K	8	#5	38'-6"	S18	2.0	"	4'-7"	11'-3"
G19	4	"	60'-0"	K1	8	#5	42'-0"	S19	2.0	"	4'-9"	11'-7"
G20	4	"	58'-6"	K2	48	#5	7'-9"	S20	2.0	"	4'-11"	11'-11"
G21	4	#11	57'-0"	X	64	#4	5'-4"	S21	2.0	#5	5'-1"	12'-3"
H	40	#11	60'-0"	X1	144	#4	5'-4"					
H1	2.0	#11	38'-6"	X2	72	#4	10'-0"					



BARS G4 - G11

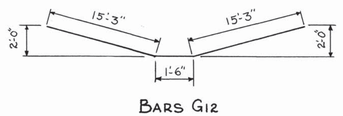


BARS X BARS X1 & X2

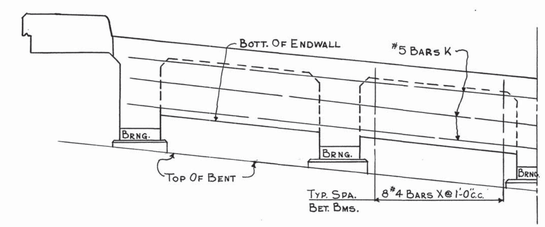


ARRANGEMENT OF NEGATIVE REINFORCEMENT

NOTE: ④ NEGATIVE REINFORCEMENT TO BE BENT IN FIELD SO REINFORCEMENT MAY BE PLACED PARALLEL TO BEAM CHORDS.



BARS G12

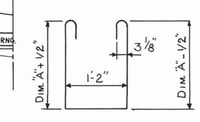


HALF END ELEVATION

4'-3" LAP

BARS G17, G18 & H4 SPLICE DETAILS

NOTE: SPLICE FOR BARS G17 & G18 TO BE ON ALTERNATE SIDES OF ℄ SPAN. SPLICE FOR BARS H4 TO BE ON ALTERNATE SIDES OF ℄ BEARING.



BARS S - S21

ESTIMATED QUANTITIES

CONCRETE CLASS "A" CU. YDS.	STEEL LBS REINF.	STEEL LBS STRUCT.	③ BRONZE LBS.
408.4	120,504	8,397	1,245

③ SELF LUBRICATING BEARING PLATES.

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS
NASHVILLE

SUPERSTRUCTURE DETAILS
SPANS 2, 3 & 4
STATE ROUTE NO. 9 OVER I-75
STA. 1+64 (I-75)
SHARPS GAP INTERCHANGE
KNOX COUNTY
1959

CORRECT Fred Greer BRIDGE ENGINEER
APPROVED STATE HIGHWAY ENGINEER

H-12-65

DESIGNED BY R.B.O. DATE
DRAWN BY A. BURKE DATE
TRACED BY J. BYRD DATE 11-20-59
CHECKED BY DATE

Revised 9-19-60
Revised 6-30-60
Revised 12-17-73

APPROVED