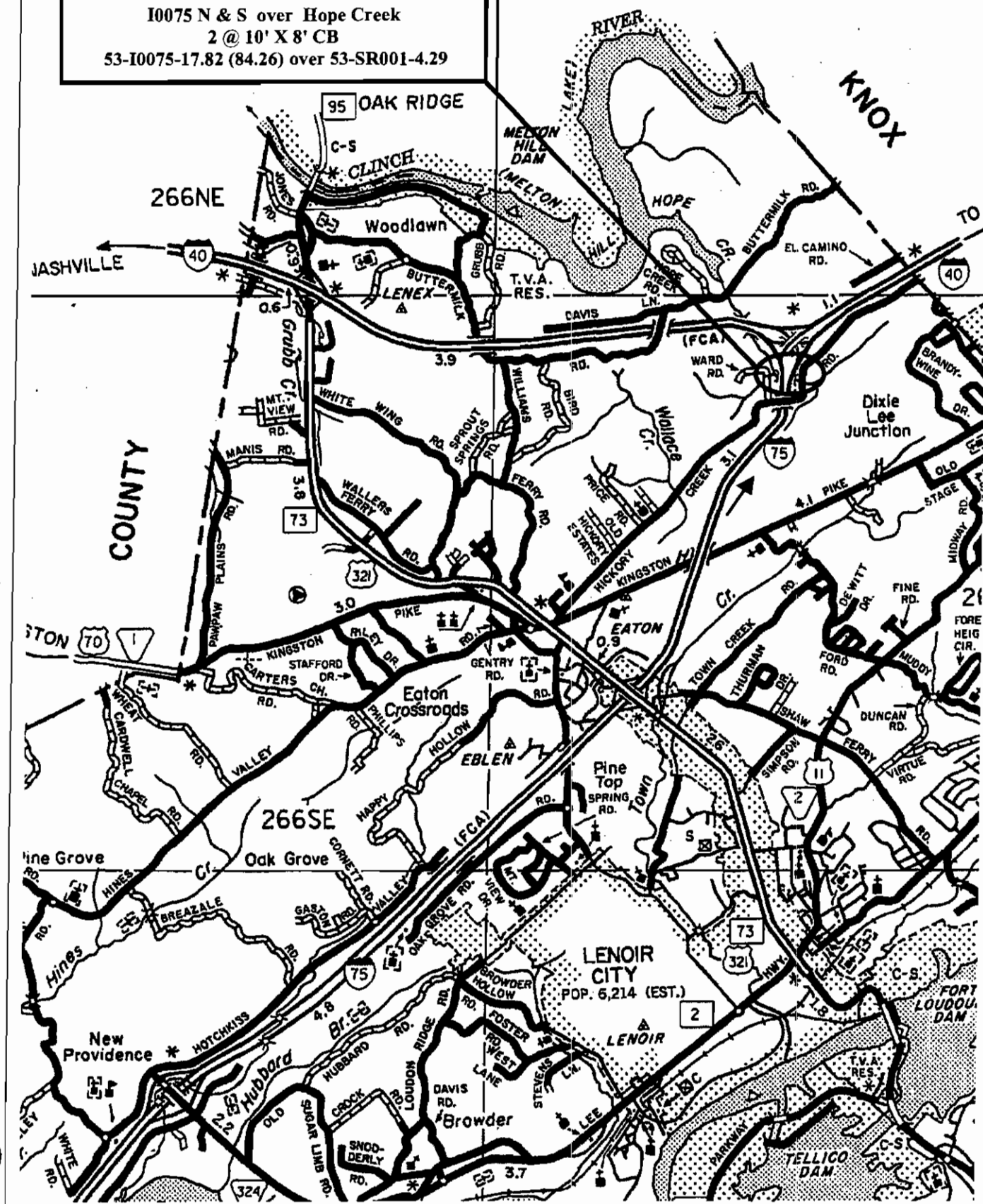


LOUDON COUNTY

1997 Map

53I00750041
I0075 N & S over Hope Creek
2 @ 10' X 8' CB
53-I0075-17.82 (84.26) over 53-SR001-4.29

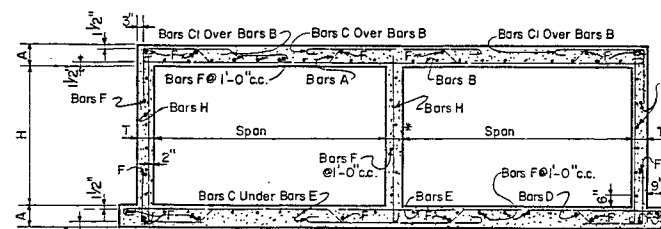
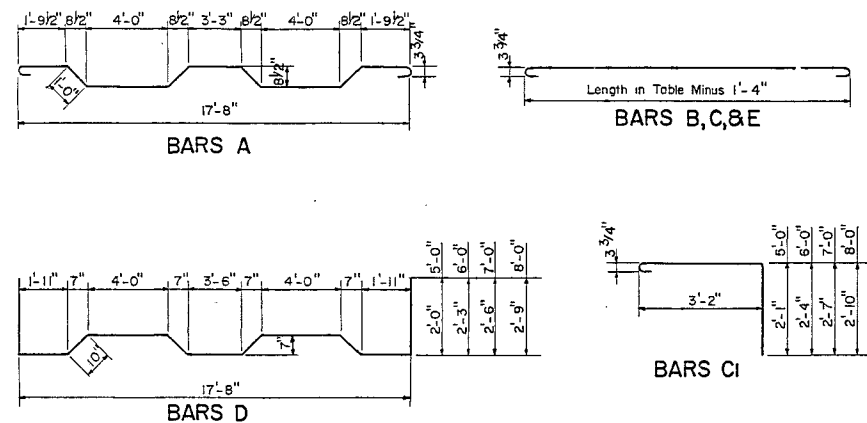


Revised 8-24-66 interior wall spacing
Revised 4-24-90 REDESIGNED

SPANS 2@8'-0"
Fills To 20'-0"

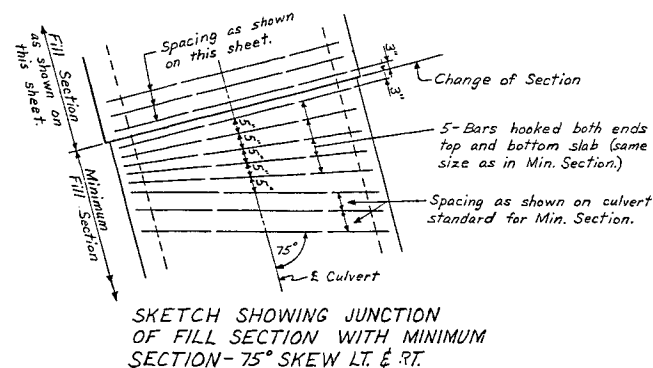
Dimensions			Reinforcement 3/4" #										1/2" #		Bars H # # # Exterior Walls	Concrete Class "A" Cu. Yds.	Reinf. Steel Lbs.
			Bars A		Bars B		Bars C		Bars D		Bars E		Bars F				
H	A	T	Lgth.	Spa.	Lgth.	Spa.	Lgth.	Spa.	Lgth.	Spa.	Lgth.	Spa.	No.	Lgth.	Size	Spa.	
5'-0"	11'-2"	9"	20'-2"	11"	19'-0"	11"	7'-4"	11"	5'-11"	11"	22'-8"	11"	20'-6"	11"	65	6'-9"	1/2" # 12"
6'-0"	11'-2"	9"	20'-2"	11"	19'-0"	11"	7'-4"	11"	6'-2"	11"	23'-2"	11"	20'-6"	11"	68	7'-9"	1/2" # 8"
7'-0"	11'-2"	9"	20'-2"	11"	19'-0"	11"	7'-4"	11"	6'-5"	11"	23'-8"	11"	20'-6"	11"	71	8'-10"	3/8" # 9"
8'-0"	11'-2"	9"	20'-2"	11"	19'-0"	11"	7'-4"	11"	6'-8"	11"	24'-2"	11"	20'-6"	11"	74	9'-10"	3/8" # 7"

*** Interior wall spacing is to be 1'-0" c.c. Δ



TYPICAL SECTION

*Interior Wall shall conform to thickness of walls shown on drawing used in conjunction with these Fill Sections.



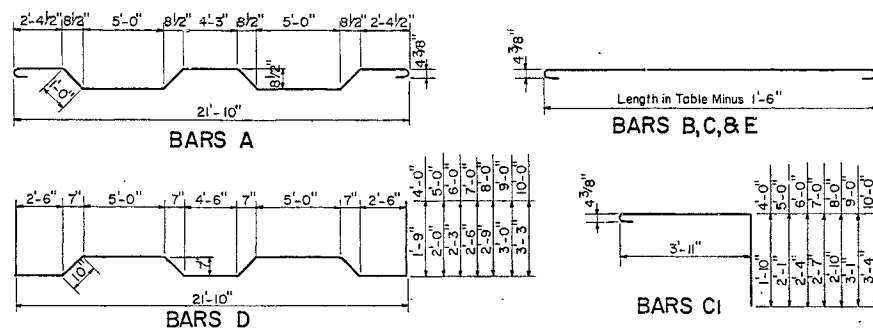
SKETCH SHOWING JUNCTION OF FILL SECTION WITH MINIMUM SECTION - 75° SKEW LT. & RT.

DESIGNED BY: DATE: DRAWN BY: D.B.M. DATE: 7-13-60 CHECKED BY: ALBERT LANIER DATE: 10-30-63

SPANS 2@10'-0"
For Fills 11'-0" To 18'-0"

Dimensions			Reinforcement 7/8" #												1/2" #		Concrete Class "A" Cu. Yds.	Reinf. Steel Lbs.
H	A	T	Bars A		Bars B		Bars C		Bars C1		Bars D		Bars E		Bars F	Exterior walls		
			Lgth.	Spa.	Lgth.	Spa.	Lgth.	Spa.	Lgth.	Spa.	Lgth.	Spa.	Lgth.	Spa.	No.	Lgth	Size	Spa.
4'-0"	11 1/2"	10"	24'-6"	11"	23'-4"	11"	8'-10"	11"	6'-6"	11"	26'-4"	11"	24'-10"	11"	70	5'-9"	1/2"	12"
5'-0"	11 1/2"	10"	24'-6"	11"	23'-4"	11"	8'-10"	11"	6'-9"	11"	26'-10"	11"	24'-10"	11"	73	6'-9"	1/2"	12"
6'-0"	11 1/2"	10"	24'-6"	11"	23'-4"	11"	8'-10"	11"	7'-0"	11"	27'-4"	11"	24'-10"	11"	76	7'-9"	1/2"	10"
7'-0"	11 1/2"	10"	24'-6"	11"	23'-4"	11"	8'-10"	11"	7'-3"	11"	27'-10"	11"	24'-10"	11"	79	8'-9"	1/2"	7"
8'-0"	11 1/2"	10"	24'-6"	11"	23'-4"	11"	8'-10"	11"	7'-6"	11"	28'-4"	11"	24'-10"	11"	82	9'-0"	9/8"	9"
9'-0"	11 1/2"	10"	24'-6"	11"	23'-4"	11"	8'-10"	11"	7'-9"	11"	28'-10"	11"	24'-10"	11"	85	10'-10"	5/8"	6 1/2"
10'-0"	11 1/2"	10"	24'-6"	11"	23'-4"	11"	8'-10"	11"	8'-0"	11"	29'-4"	11"	24'-10"	11"	88	12'-0"	3/4"	1/2"

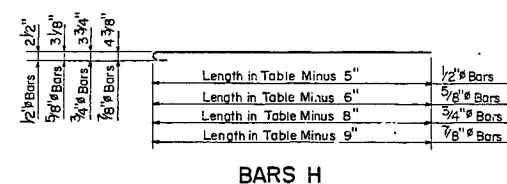
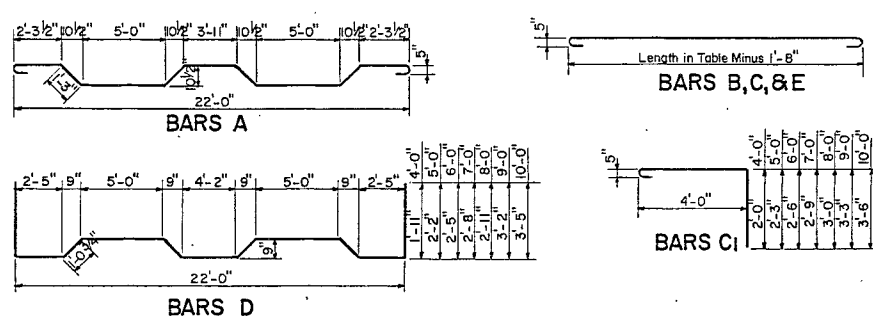
*** Interior wall spacing is to be 1'-0" c.c. Δ



SPANS 2@10'-0"
For Fills 18'-0" To 25'-0"

Dimensions			Reinforcement 1" #												1/2" #		Bars H *** Exterior walls			Concrete Class 'A' Cu. Yds.	Reinf. Steel Lbs.
H	A	T	Bars A		Bars B		Bars C		Bars C1		Bars D		Bars E		Bars F	No.	Lgth	Size	Spa		
			Lgth.	Spa	Lgth.	Spa.	Lgth.	Spa.	Lgth.	Spa.	Lgth.	Spa.	Lgth.	Spa.							
4'-0"	1'-1/2"	11"	25'-2"	1'-0"	23'-8"	1'-0"	9'-0"	1'-0"	6'-10"	1'-0"	27'-11"	1'-0"	25'-2"	1'-0"	70	6'-11"	1/2" #	1'-0"	2.31	413.6	
5'-0"	1'-1/2"	11"	25'-2"	1'-0"	23'-8"	1'-0"	9'-0"	1'-0"	7'-1"	1'-0"	27'-7"	1'-0"	25'-2"	1'-0"	73	7'-11"	1/2" #	1'-0"	2.40	420.3	
6'-0"	1'-1/2"	11"	25'-2"	1'-0"	23'-8"	1'-0"	9'-0"	1'-0"	7'-4"	1'-0"	28'-1"	1'-0"	25'-2"	1'-0"	76	8'-11"	1/2" #	8"	2.49	432.4	
7'-0"	1'-1/2"	11"	25'-2"	1'-0"	23'-8"	1'-0"	9'-0"	1'-0"	7'-7"	1'-0"	28'-7"	1'-0"	25'-2"	1'-0"	79	9'-11"	1/2" #	6"	2.58	445.8	
8'-0"	1'-1/2"	11"	25'-2"	1'-0"	23'-8"	1'-0"	9'-0"	1'-0"	7'-10"	1'-0"	29'-1"	1'-0"	25'-2"	1'-0"	82	10'-2"	3/8" #	7"	2.67	466.8	
9'-0"	1'-1/2"	11"	25'-2"	1'-0"	23'-8"	1'-0"	9'-0"	1'-0"	8'-1"	1'-0"	29'-7"	1'-0"	25'-2"	1'-0"	85	11'-4"	3/4" #	8"	2.76	492.8	
10'-0"	1'-1/2"	11"	25'-2"	1'-0"	23'-8"	1'-0"	9'-0"	1'-0"	8'-4"	1'-0"	30'-1"	1'-0"	25'-2"	1'-0"	88	12'-4"	3/4" #	6 1/2"	2.85	516.4	

*** Interior wall spacing is to be 1'-0" c.c. Δ



NOTE: Estimated Quantities For Concrete & Reinforcing Steel Are Per Ft. Of Length.

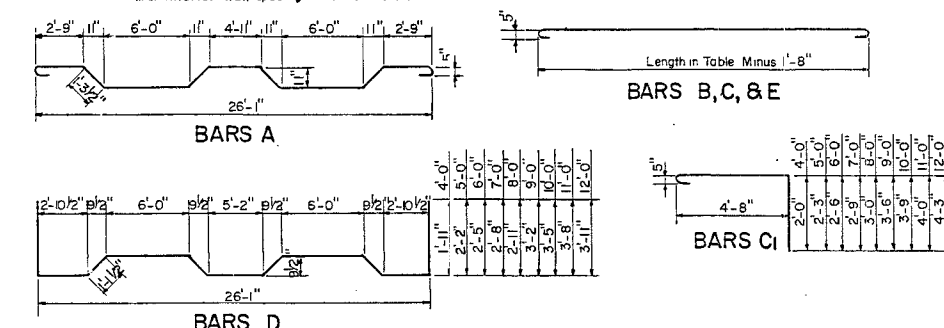
GENERAL NOTES:

SPECIFICATIONS: Standard Road & Bridge Specifications of the Tennessee Department of Highways.
CONCRETE: To be Class "A".
REINFORCING STEEL: See Specifications.
FORMS & FINISH: See Specifications.

SPANS 2@12'-0"
For Fills 9'-0" To 20'-0"

Dimensions			Reinforcement 1" #										1/2"	Bars H # Exterior walls	Concrete Class "A" Cu. Yds.	Reinf. Steel Lbs.				
H	A	T	Bars A		Bars B		Bars C		Bars D		Bars E		Bars F				Lgth.	Size	Spa	
4'-0"	1'-2"	11"	29'-3"	11"	27'-9"	11"	10'-5"	11"	7'-6"	11"	31'-3"	11"	29'-3"	11"	78	6'-0"	1/2"	12"	2.74	510.6
5'-0"	1'-2"	11"	29'-3"	11"	27'-9"	11"	10'-5"	11"	7'-9"	11"	31'-9"	11"	29'-3"	11"	81	6'-0"	1/2"	12"	2.84	517.5
6'-0"	1'-2"	11"	29'-3"	11"	27'-9"	11"	10'-5"	11"	8'-0"	11"	32'-3"	11"	29'-3"	11"	84	8'-0"	1/2"	10"	2.94	526.6
7'-0"	1'-2"	11"	29'-3"	11"	27'-9"	11"	10'-5"	11"	8'-3"	11"	32'-9"	11"	29'-3"	11"	87	9'-0"	1/2"	7/8"	3.04	548.6
8'-0"	1'-2"	11"	29'-3"	11"	27'-9"	11"	10'-5"	11"	8'-6"	11"	33'-3"	11"	29'-3"	11"	90	10'-0"	5/8"	9"	3.14	556.6
9'-0"	1'-2"	11"	29'-3"	11"	27'-9"	11"	10'-5"	11"	8'-9"	11"	33'-9"	11"	29'-3"	11"	93	11'-0"	5/8"	6 1/2"	3.24	577.3
10'-0"	1'-2"	11"	29'-3"	11"	27'-9"	11"	10'-5"	11"	9'-0"	11"	34'-3"	11"	29'-3"	11"	96	12'-0"	7/8"	5 1/2"	3.34	595.4
11'-0"	1'-2"	11"	29'-3"	11"	27'-9"	11"	10'-5"	11"	9'-3"	11"	34'-9"	11"	29'-3"	11"	99	13'-3"	7/8"	6"	3.44	632.3
12'-0"	1'-2"	11"	29'-3"	11"	27'-9"	11"	10'-5"	11"	9'-6"	11"	35'-3"	11"	29'-3"	11"	102	14'-4"	7/8"	7"	3.54	667.1

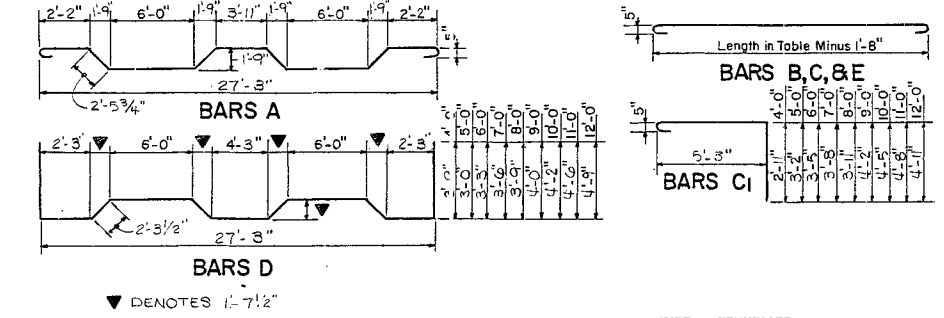
*** Interior wall spacing is to be 1'-0" c.c. Δ



SPANS 2@12'-0"
For Fills 20'-0" To 30'-0"

Dimensions			Reinforcement 1" #										1/2" #	Bars H*** Exterior walls			Concrete Class "A" Cu Yds	Reinf. Steel Lbs.		
H	A	T	Bars A		Bars B		Bars C		Bars C1		Bars D		Bars E		Bars F	No	Lgth	Size	Spa.	
			Lgth	Spa	Lgth	Spa	Lgth	Spa	Lgth	Spa	Lgth	Spa	Lgth	Spa						
4'-0"	2'-0"	1'-6"	31'-10"	1'-0"	28'-11"	1'-0"	10'-5"	1'-0"	9'-0"	1'-0"	39'-5"	1'-0"	30'-5"	1'-0"	78	11'-10"	7/8"	12"	4.78	643.8
5'-0"	2'-0"	1'-6"	31'-10"	1'-0"	28'-11"	1'-0"	10'-5"	1'-0"	9'-3"	1'-0"	39'-11"	1'-0"	30'-5"	1'-0"	81	8'-10"	7/8"	12"	4.92	651.2
6'-0"	2'-0"	1'-6"	31'-10"	1'-0"	28'-11"	1'-0"	10'-5"	1'-0"	9'-6"	1'-0"	40'-5"	1'-0"	30'-5"	1'-0"	84	9'-10"	7/8"	9"	5.06	663.1
7'-0"	2'-0"	1'-6"	31'-10"	1'-0"	28'-11"	1'-0"	10'-5"	1'-0"	9'-9"	1'-0"	40'-11"	1'-0"	30'-5"	1'-0"	87	10'-10"	7/8"	6 1/2"	5.19	678.2
8'-0"	2'-0"	1'-6"	31'-10"	1'-0"	28'-11"	1'-0"	10'-5"	1'-0"	10'-0"	1'-0"	41'-5"	1'-0"	30'-5"	1'-0"	90	11'-11"	9/8"	7 1/2"	5.33	701.0
9'-0"	2'-0"	1'-6"	31'-10"	1'-0"	28'-11"	1'-0"	10'-5"	1'-0"	10'-3"	1'-0"	41'-11"	1'-0"	30'-5"	1'-0"	93	12'-11"	7/8"	6 1/2"	5.47	718.4
10'-0"	2'-0"	1'-6"	31'-10"	1'-0"	28'-11"	1'-0"	10'-5"	1'-0"	10'-6"	1'-0"	42'-5"	1'-0"	30'-5"	1'-0"	96	13'-11"	3/4"	7"	5.61	754.2
11'-0"	2'-0"	1'-6"	31'-10"	1'-0"	28'-11"	1'-0"	10'-5"	1'-0"	10'-9"	1'-0"	42'-11"	1'-0"	30'-5"	1'-0"	99	14'-11"	3/4"	5 1/2"	5.75	787.5
12'-0"	2'-0"	1'-6"	31'-10"	1'-0"	28'-11"	1'-0"	10'-5"	1'-0"	11'-0"	1'-0"	43'-5"	1'-0"	30'-5"	1'-0"	102	16'-2"	7/8"	6"	5.89	836.6

*** Interior wall spacing is to be 1'-0" c.c. Δ



STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS
NASHVILLE
CONCRETE BOX BRIDGES
FILL SECTIONS

SPANS-2@8'-0"-10'-0"-12'-0" CLEAR HEIGHTS: 4'-0"-12'-0"
ALL SKEWS
1960

DESIGNED BY: DATE: DRAWN BY: D.B.M. DATE: 7-13-60 CHECKED BY: ALBERT LANIER DATE: 10-30-63