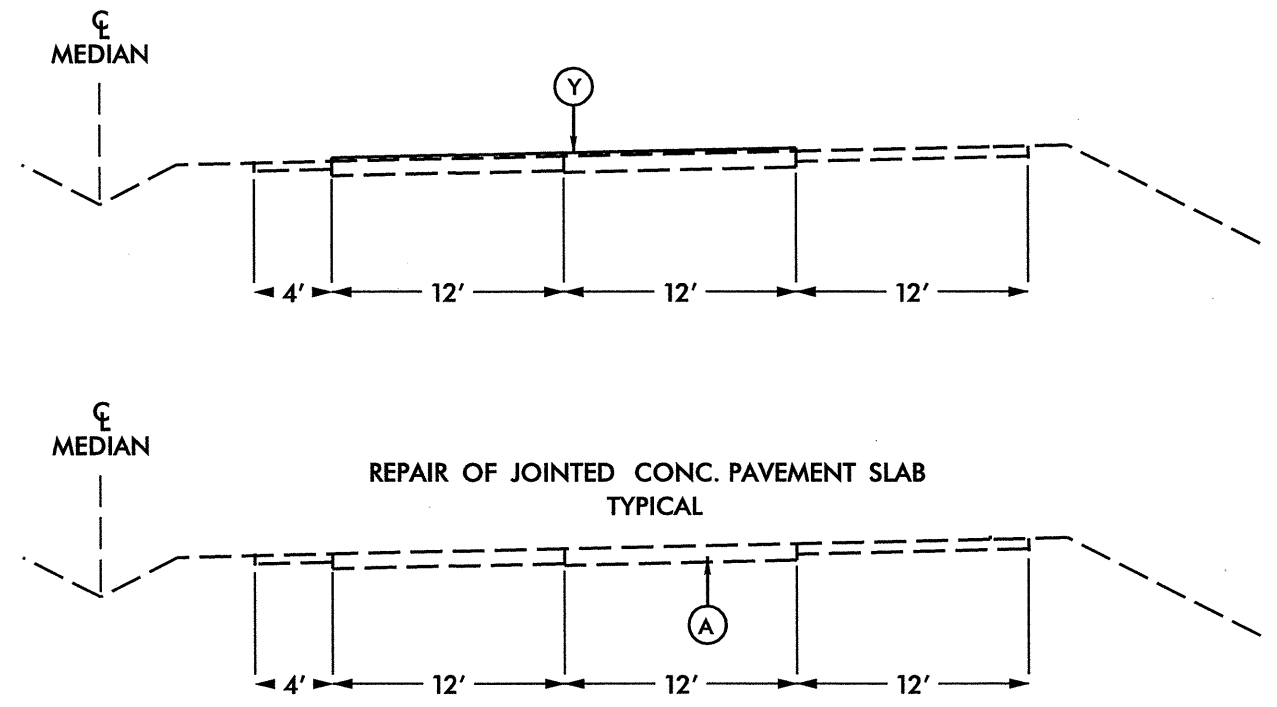
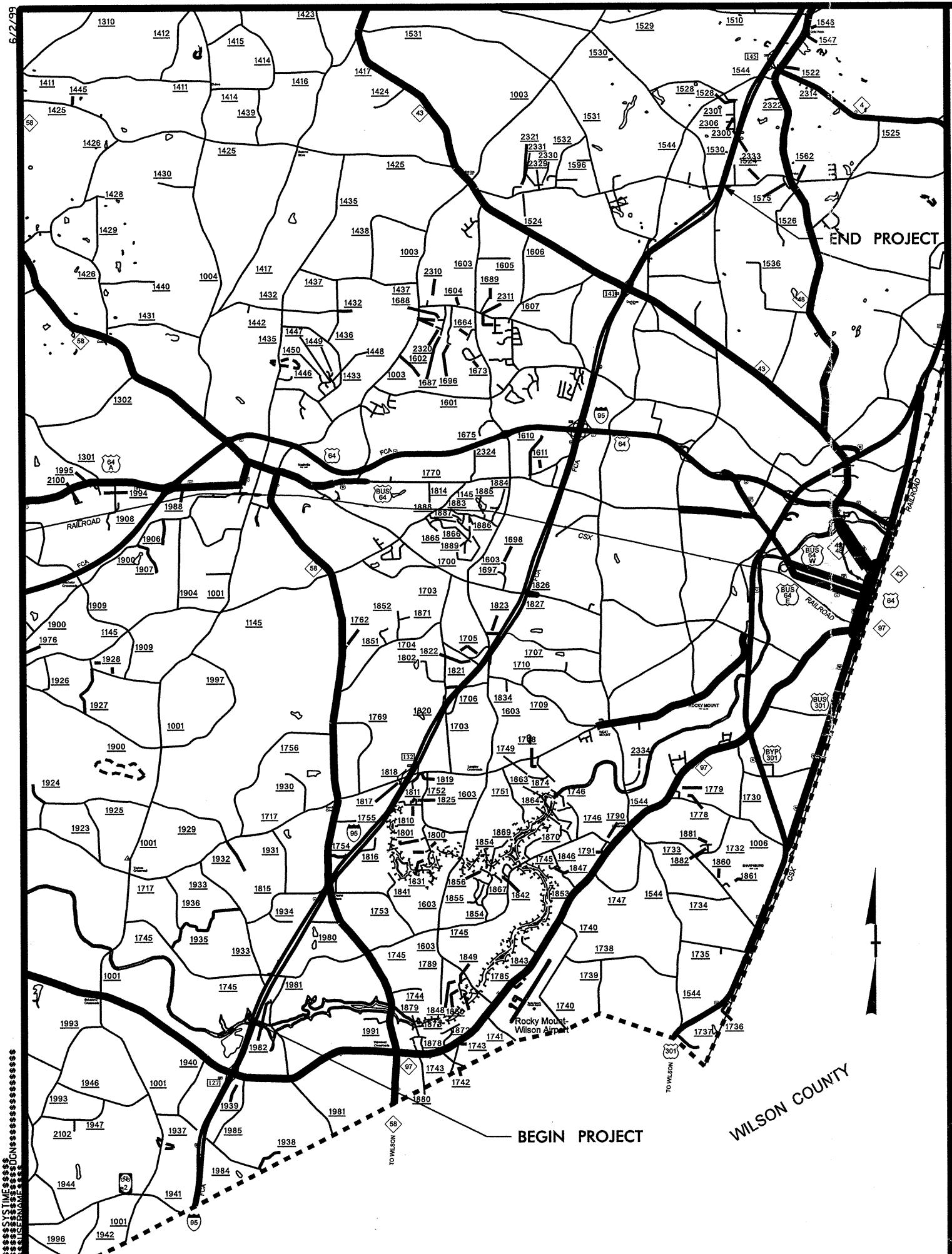


PROJECT REFERENCE NO. I-5017	SHEET NO. 1
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



PAVEMENT SCHEDULE	
A	REPAIR OF JOINTED CONC. PAVEMENT SLAB
Y	DIAMOND GRIND CONCRETE PAVEMENT

Notes: Typical for South Bound and North Bound Lanes of I-95 from Mile Post 128 to Mile Post 143

The Repair of Jointed Conc. Pavement Slabs Will be at Locations on Both Median and Outside Lanes as Directed by the Engineer

Work on Ramps at the Following Locations Not Shown but Included in Quantities as Directed by the Engineer:
 Exit 132 (SR 1717)
 Exit 138 (US 64 Collector/Distributor Lanes)
 Exit 141 (NC 43)
 Northbound and Southbound Rest Areas

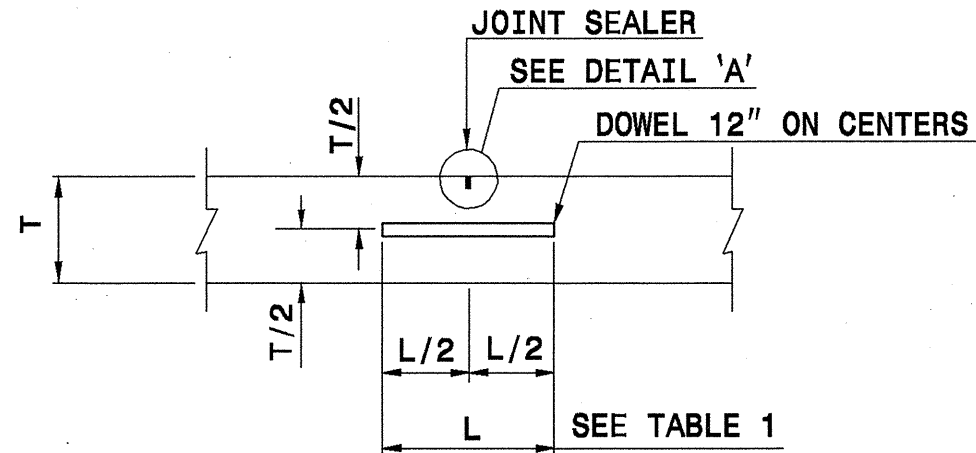
PROJECT NO.	SHEET NO.	TOTAL NO.
I-5017	2	
42398.3.1		

SUMMARY OF QUANTITIES

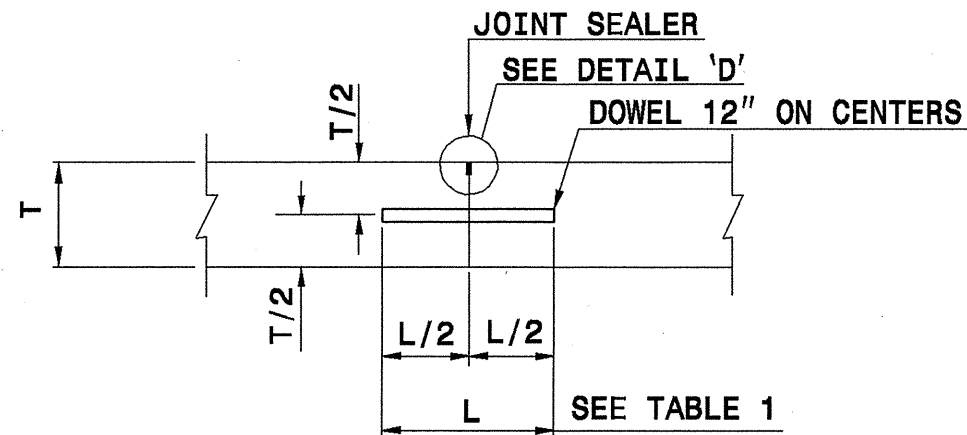
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LENGTH MI	WIDTH FT	DIAMOND GRINDING PCC PAVEMENT SY	REPAIR OF JOINTED CONC. PAVEMENT SLABS SY	CLASS IV SUBGRADE STABILIZATION TON	UNDERCUT EXCAVATION CY	FABRIC FOR SOIL STABILIZATION SY	UNDERDRAIN REPAIR EA
I-5017	Nash	1	I-95 SB	FROM MM 143 TO 128		15	24	250,500	100	75	50	100	5
		2	I-95 NB	FROM MM 128 TO 143		15	24	250,500	100	75	50	100	5
TOTAL FOR PROJ. I-5017						30		501,000	200	150	100	100	10
GRAND TOTAL						30		501,000	200	150	100	200	10

POLYUREA AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4405000000-E PORTABLE WORK ZONE SIGN SF	4415000000-N FLASHING ARROW PANELS, TYPE C EA	4420000000-N CHANGEABLE MESSAGE SIGNS EA	4430000000-N DRUMS EA	4480000000-N TRUCK MOUNTED IMPACT ATTENUATOR (60MPH) EA	4845000000-N PAINT SYMBOL EA	4815000000-E 6" WHITE PAINT LF 6" YELLOW PAINT LF		4825000000-E 12" WHITE PAINT LF	4847100000-E 6" POLYUREA LF	4847120000-E 12" POLYUREA LF	4847220000-N POLYUREA SYMBOL EA	4905000000-N SNOW PLOWABLE MARKERS EA
I-5017	Nash	1	I-95 SB	FROM MM 143 TO 128	300	1	2	300	1	19	118,000	94,000	8,177	212,000	8,177	19	2,350
		2	I-95 NB	FROM MM 128 TO 143	300	1	2	300	1	19	118,000	94,000	8,177	212,000	8,177	19	2,350
TOTAL FOR PROJ. I-5017					600	2	4	600	2	38	236,000	188,000	16,354	424,000	16,354	38	4,700
GRAND TOTAL					600	2	4	600	2	38	236,000	188,000	16,354	424,000	16,354	38	4700



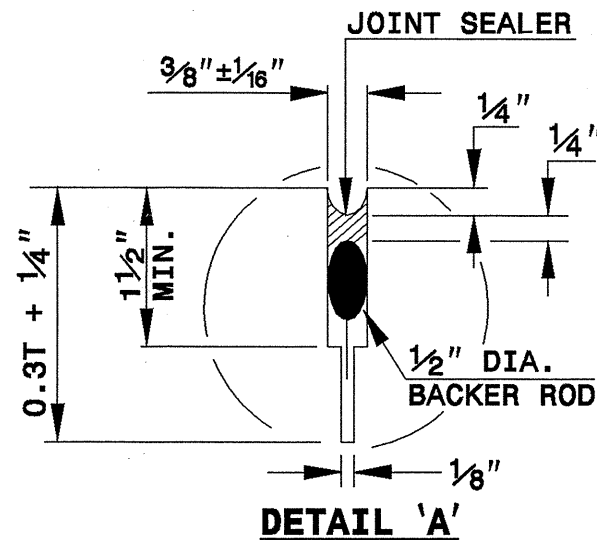
TRANSVERSE CONTRACTION JOINT



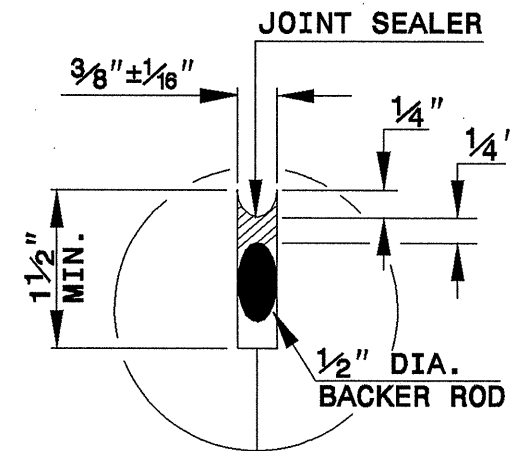
PLANNED TRANSVERSE CONSTRUCTION JOINT

GENERAL NOTES:

- FORM TRANSVERSE CONTRACTION JOINTS BY SAWING WITH APPROVED EQUIPMENT.
- SPACE TRANSVERSE CONTRACTION JOINTS AT INTERVALS OF 15'.
- USE A DOWEL ASSEMBLY OR OTHER APPROVED DOWEL INSERTION TECHNIQUE IN ALL TRANSVERSE CONTRACTION JOINTS.
- DOWEL ASSEMBLIES ARE COVERED IN STD. DWG. 700.03.
- 1/4" PER 1' IS THE ALIGNMENT TOLERANCE FOR PLACEMENT OF DOWELS.
- 1/4" IS THE LOCATION TOLERANCE FOR DOWELS OR TIE BARS.
- 1/8" IS THE TOLERANCE IN DEPTH OF SAWING PAVEMENT JOINTS.
- PROVIDE SMOOTH DOWEL BARS. PROVIDE DEFORMED TIE BARS.



DETAIL 'A'



DETAIL 'D'

TABLE I - DOWEL BARS		
SLAB THICKNESS	DOWEL BAR "D"	DOWEL LENGTH "L"
8" OR LESS	1"	14"
8 1/2" TO 9 1/2"	1 1/8"	16"
10" TO 10 1/2"	1 1/4"	18"
11"	1 3/8"	18"
12" AND ABOVE	1 1/2"	18"

I-5017
Sht. no. 4

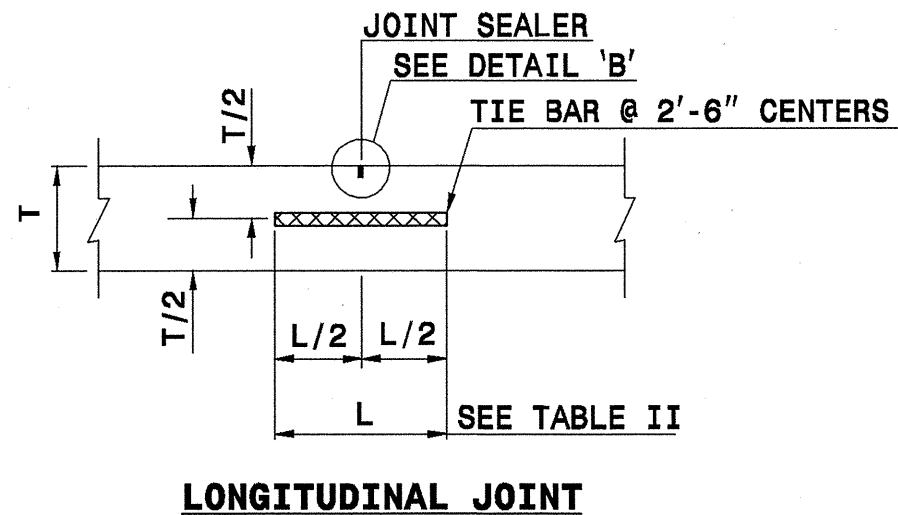
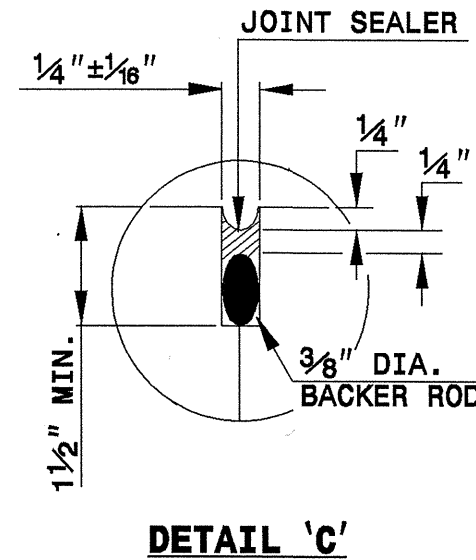
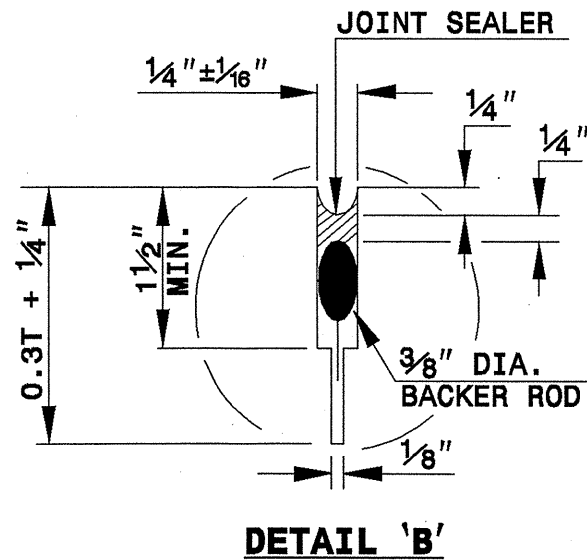
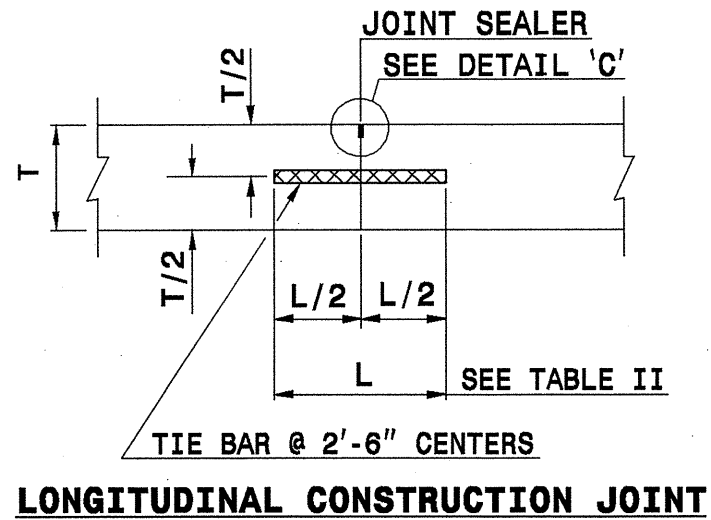
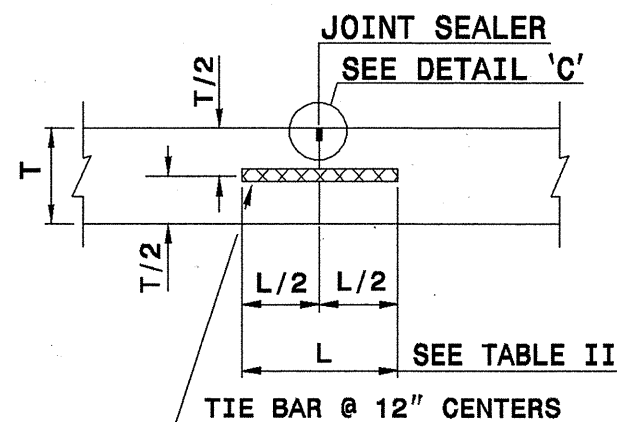


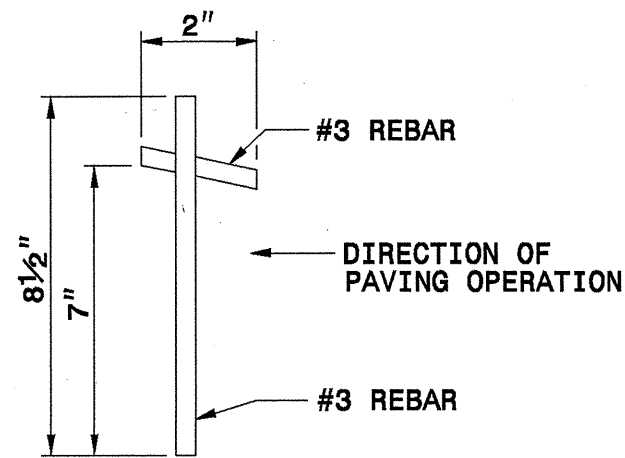
TABLE II - TIE BARS

SLAB THICKNESS	TIE BAR DIA. "D"	TIE BAR LENGTH "L"
8 1/2" OR LESS	1/2"	30"
9" OR ABOVE	5/8"	30"

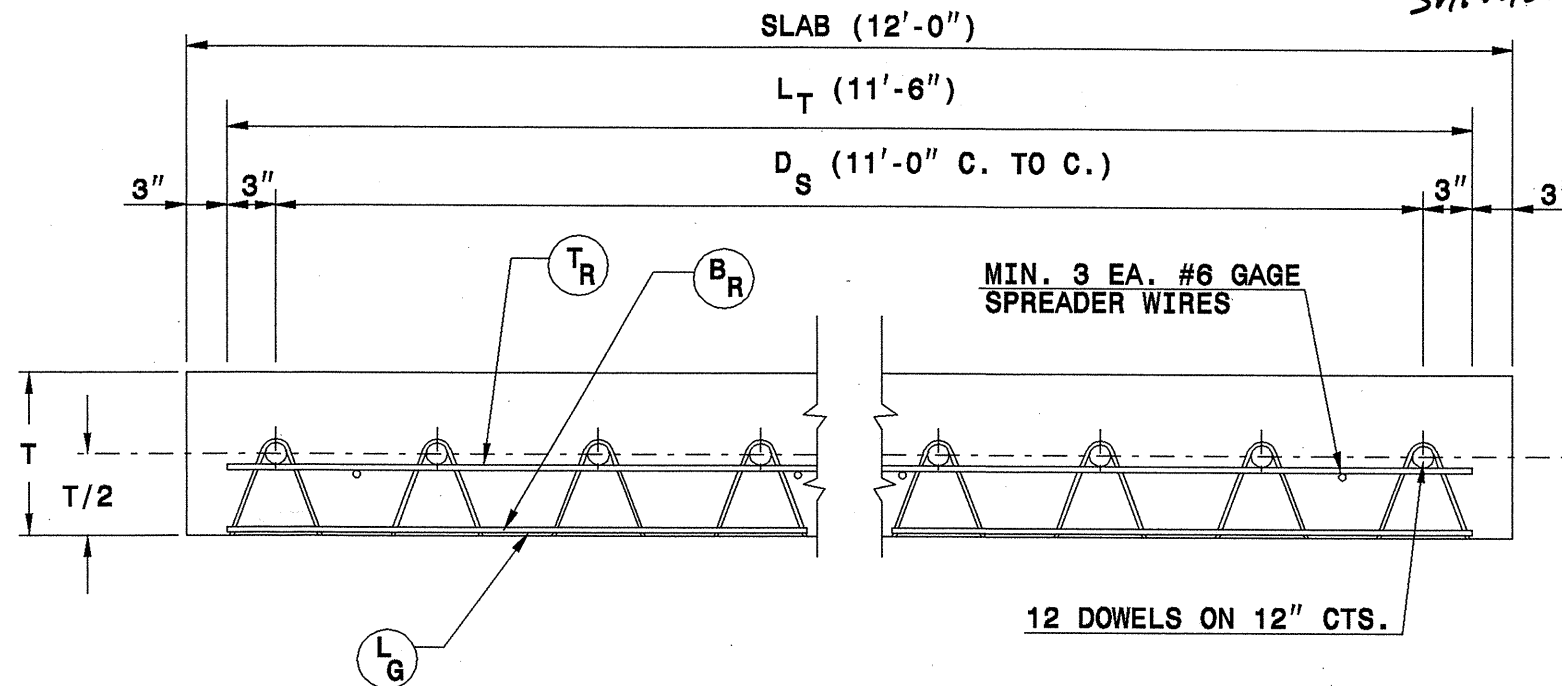


GENERAL NOTES:

- CONSTRUCT TRANSVERSE CONSTRUCTION JOINTS AT THE END OF EACH DAY'S OPERATION (PLANNED JOINT) OR WHEN THE PLACING OF CONCRETE IS SUSPENDED FOR MORE THAN 30 MINUTES (EMERGENCY JOINT).
- USE AN APPROVED HEADER AT EMERGENCY JOINTS DESIGNED TO PERMIT THE PLACEMENT OF AND CORRECTLY HOLD IN PLACE TIE BARS (STD. DWG. 700.04).
- LOCATE PLANNED TRANSVERSE CONSTRUCTION JOINTS AT THE SPACING REQUIRED FOR CONTRACTION JOINTS. USE AN APPROVED METHOD OF INSTALLING DOWELS IN ALL PLANNED TRANSVERSE CONSTRUCTION JOINTS.
- DO NOT LOCATE EMERGENCY TRANSVERSE CONSTRUCTION JOINTS LESS THAN 3' FROM ANY CONTRACTION JOINT OR PLANNED CONSTRUCTION JOINT.
- DO NOT TIE BARS IN LONGITUDINAL JOINTS WITHIN 1'-4" OF A TRANSVERSE JOINT.



STAKING PIN
(MIN. 8 PER BASKET)

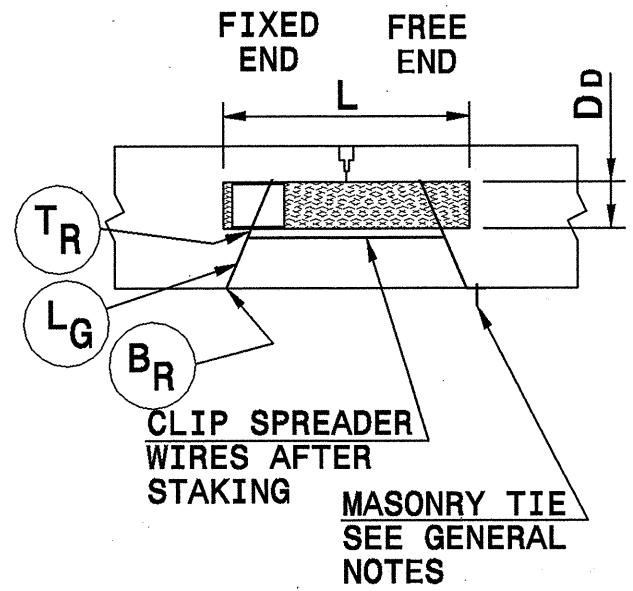


TYPICAL UNIT DIMENSIONS

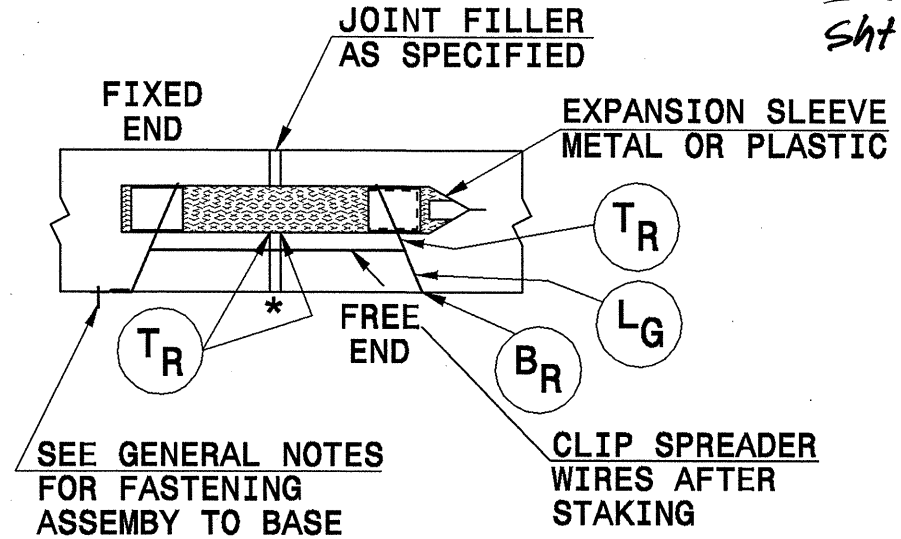
"V" LEG ONLY			
SLAB THICKNESS	WIRE GAGE		
	T _R	B _R	L _G
8" OR LESS	2	2	2
8 1/2" - 10"	0	2	2
10 1/2" & ABOVE	2/0's	2/0's	2/0's

GENERAL NOTES:

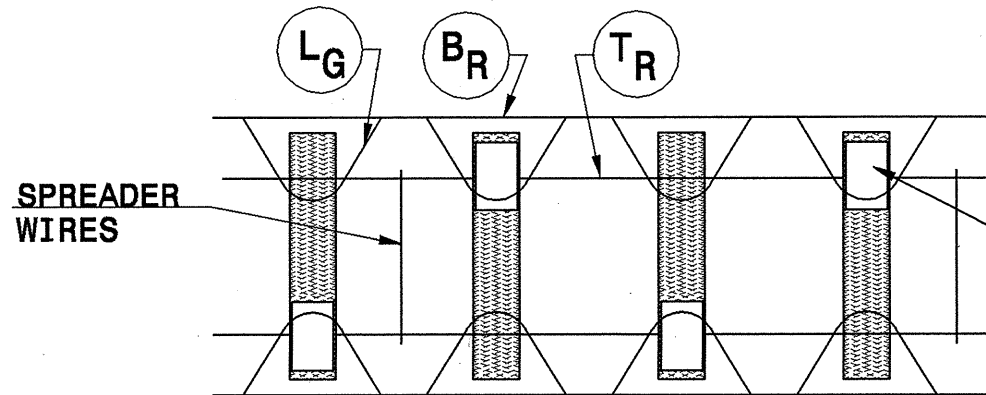
- USE RIGID CONSTRUCTED DOWEL ASSEMBLY CAPABLE OF HOLDING THE DOWEL BAR IN PROPER POSITION DURING PLACMENT OF CONCRETE AND DESIGNED AS TO PERMIT UNRESTRICTED MOVEMENT OF THE SLAB. USE DOWEL ASSEMBLY APPROVED BY THE ENGINEER PRIOR TO USE.
- USE DOWEL ASSEMBLIES MANUFACTURED WITH DOWELS ALTERNATELY WELDED TO FRAME MEMBERS.
- USE STAKING PIN OR APPROVED ALTERNATE.
- SAW CUT EPOXY COATED DOWELS WITH ONE END BUFFED 3/4" x CIRCUMFERENCE TO FACILITATE WELDING OF THE DOWEL TO THE ASSEMBLY FRAME. TOUCH UP OF THE BUFFED AREA WILL NOT BE REQUIRED.
- RESISTANCE WELD FRAME MEMBERS; DOWELS AND SPREADER WIRES MAY BE ARC WELDED. WELD IN ACCORDANCE WITH AWS WELDING CODE.
- FULLY DIP THE DOWEL ASSEMBLIES TO ASSURE A COMPLETE COATING OF WAX.
- SEE DETAIL 700D01 FOR DOWEL BAR SIZES.



SECTION - CONTRACTION

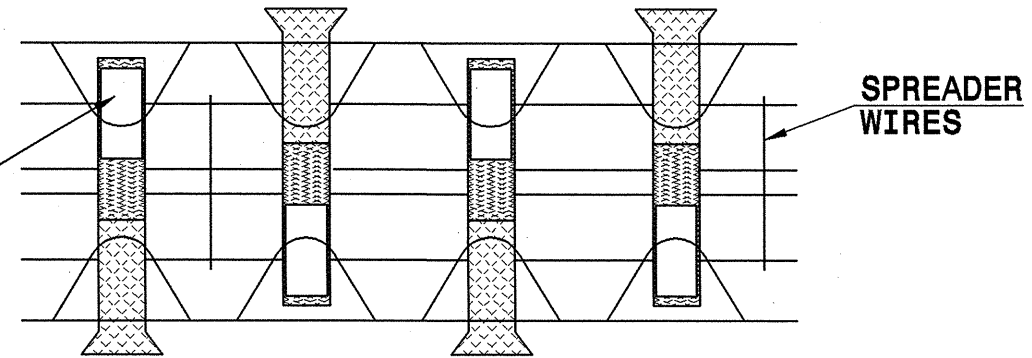


SECTION - EXPANSION

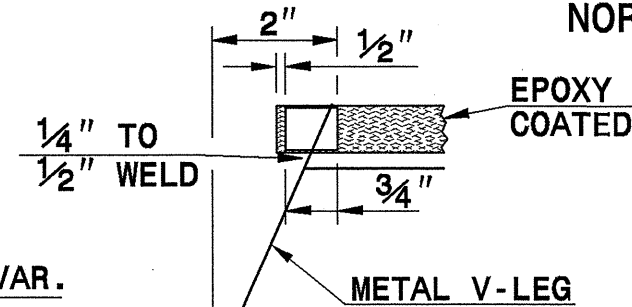
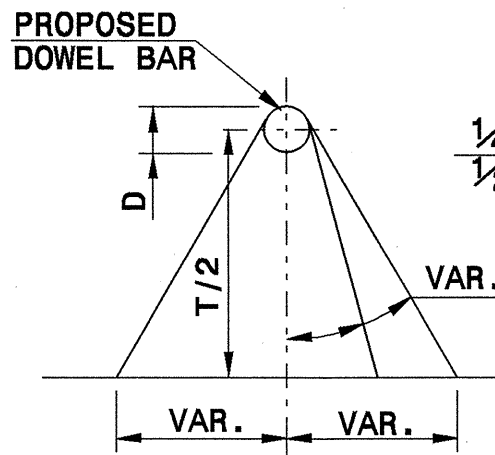


**PARTIAL PLAN CONTRACTION
 NORMAL**

EPOXY REMOVED BY BUFFING



**PARTIAL PLAN EXPANSION
 NORMAL**



CROSS SECTIONAL VIEWS

