Illinois Tollway Standard Drawing Revisions

Section A	Roadway Pav	vement	
	Standard	Modification Summary	Effective: 03-01-2021
	A1-09	CONCRETE PAVEMENT REPAIR FULL DEPTH	
		Updated note 1 to be F-F not E-E.	
	A2-08	ASPHALT OVERLAY REPAIR	
		Updated the min pavement patches lengths and widths. Match updated SP	
	A5-07	J.P.C. PAVEMENT	
		Updated note 5 to reflect the 18" offset start	
	A7-05	PAVEMENT JOINTS	
		Updated transverse construction joint notes and dimension location left just	tified of header board.
	A12-02	JOINTING PLAN ENTRANCE RAMP TERMINAL WITH AUXILIARY LANE	
		Longitudinal construction joint tie bar spacing changed from 24" to 36" cent	ers
		Added sleeper slab call out	
		Updated mainline shoulder width from 10' to 11' to the ramp	
	A13-04	JOINTING PLAN EXIT RAMP TERMINAL WITH AUXILIARY LANE	
		Longitudinal construction joint tie bar spacing changed from 24" to 36" cent	ers
		Added sleeper slab call out	
		Updated mainline shoulder width from 10' to 11' to the ramp	
	A14-07	JOINTING PLAN ENTRANCE RAMP TERMINAL	
		Updated 12' at mainline.	
		Longitudinal construction joint tie bar spacing changed from 24" to 36" cent	ers
		Added sleeper slab call out	
		Updated Detail B.	
	A15-07	JOINTING PLAN EXIT RAMP TERMINAL	
		Updated 12' at mainline.	
		Updated Detail C.	
		Longitudinal construction joint tie bar spacing changed from 24" to 36" cent	iers
		Added sleeper slab call out	
	A16-07	JOINTING PLAN PARALLEL EXIT RAMP TERMINAL LOOP RAMP ONL'	Y
		Longitudinal construction joint tie bar spacing changed from 24" to 36" cent	iers
		Added sleeper slab call out	
		Updated mainline shoulder width from 10' to 11' to the ramp	
	A17-07	JOINTING PLAN PARALLEL ENTRANCE RAMP TERMINAL LOOP RAM	P ONLY
		Longitudinal construction joint tie bar spacing changed from 24" to 36" cent	ers
		Added sleeper slab call out	
		Updated mainline shoulder width from 10' to 11' to the ramp	

New Sheet

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Retired Standard



THE MINIMUM OVERALL DIMENSIONS OF REPAIRS SHALL BE SIX (6) FEET BY THE LANE WIDTH EXCEPT FOR REPLACEMENT OF DETERIORATED PAVEMENT EDGES ADJACENT TO PROPOSED WIDENING (SEE SECTION F-F). REPAIRS TERMINATING AT TRANSVERSE CONTRACTION JOINTS SHALL BE EXTENDED ONE FOOT ACROSS THE JOINT. WHEN A REPAIR EXTENDS WITHIN FOUR FEET OF AN EXISTING TRANSVERSE CONTRACTION JOINT THE REPAIR SHALL BE EXTENDED ONE

2. WHENEVER A REPAIR IS CONSTRUCTED IN TWO OR MORE SEGMENTS BECAUSE OF MAINTENANCE OF TRAFFIC STAGING REQUIREMENTS, EACH SEGMENT SHALL BE CONSIDERED A SEPARATE PATCH WITH SIX (6) FEET MINIMUM DIMENSION.

3. UNLESS OTHERWISE NOTED, DRILLED AND GROUTED DOWELS SHALL BE EMBEDDED $\frac{1}{2}$ THEIR LENGTH INTO THE EXISTING CONCRETE USING CHEMICAL ADHESIVE AS SPECIFIED.

4. UNLESS OTHERWISE NOTED, TIE BARS SHALL BE EMBEDDED ½ THEIR LENGTH INTO THE EXISTING CONCRETE USING CHEMICAL ADHESIVE AS SPECIFIED.

5. SAW CUTTING AND SEALING OF LONGITUDINAL JOINTS IN THE REPAIR AREAS SHALL FOLLOW IDOT HIGHWAY STANDARD 420001 (PAVEMENT JOINTS) WHERE TIE BARS ARE NEEDED OR DETAIL B WHERE BOND BREAKER IS USED. SEE NOTE 8 TO DETERMINE JOINT REQUIREMENTS. JOINT SEALING IS NOT REQUIRED FOR PAVEMENT BEING RESURFACED.

6. FOR REPAIR OF ASPHALT OVERLAY AND P.C.C. PAVEMENT, THE SAWCUT SHALL BE FULL DEPTH. THE PATCH SHALL MEET EXISTING CROSS SECTION MATERIALS THICKNESSES.

7. AT LOCATIONS OF PROPOSED PAVEMENT WIDENING, EDGE DETERIORATION REQUIRING FULL DEPTH REPAIR SHALL BE REPAIRED BY REMOVAL AND REPLACEMENT OF A MINIMUM OF 1'-6'' WIDE STRIP. SAW CUTTING AND REMOVAL WILL BE PAID PER ARTICLE 109.04 OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS, UNLESS OTHERWISE PROVIDED IN THE CONTRACT. THE ADDITIONAL PAVEMENT WIDTH REPLACING THE EDGE DETERIORATION SHALL BE CONSTRUCTED MONOLITHICALLY WITH THE PAVEMENT WIDENING. THIS ADDITIONAL PAVEMENT SHALL BE PAID USING CONTRACT PAVEMENT WIDENING ITEMS IN ACCORDANCE WITH ARTICLE 109.03 OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.

8. WHEN PROPOSED TRANSVERSE JOINTS ARE OFFSET FROM EXISTING JOINTS IN ADJACENT PAVEMENT TO REMAIN, BOND BREAKER SHALL BE USED AT THE LONGITUDINAL JOINT ADJACENT TO THE EXISTING PAVEMENT, WITH TIE BARS OMITTED. WHEN PROPOSED TRANSVERSE JOINTS LINE UP WITH ADJACENT JOINTS, TIE BARS SHALL BE USED WITH NO BOND BREAKER.

9. TYPICAL ROADWAY PLAN FOR FULL DEPTH REPAIR IS APPLICABLE TO ALL PAVEMENTS, LANE WIDTHS AND NUMBER OF EXISTING LANES.

10. THE TIE BAR FOR THE LONGITUDINAL SAWED JOINT SHALL BE 15" FROM THE TRANSVERSE

11. OMIT SEALING OF ALL JOINTS IN THE REPAIR AREA OF PAVEMENT TO BE RESURFACED.

12. THE MAXIMUM LENGTH BETWEEN TRANSVERSE CONTRACTION JOINTS IN ANY PATCH SHALL

13. CONTRACTOR WILL BE RESPONSIBLE TO ATTAIN A SMOOTHNESS REQUIREMENT OF PASSING A 3/16TH INCH BUMP TEST USING A 16' ROLLING STRAIGHT EDGE AFTER PATCHING IS COMPLETE. DIAMOND GRINDING MAY BE USED TO RESTORE RIDE QUALITY AND IS INCIDENTAL TO THE WORK UNLESS OTHERWISE SPECIFIED IN THE PLANS.



EXISTING WELDED WIRE FABRIC (10" PAVEMENT ONLY)

EXISTING PAVEMENT

LEGEND



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PROPOSED CONCRETE PAVEMENT REPAIR - FULL DEPTH PROPOSED CONCRETE PAVEMENT WIDENING

CONCRETE PAVEMENT THICKNESS

		SHEET 1 OF 2
		Illinois Tollway
DATE	REVISIONS	
3-1-2018	REMOVED TIE BARS & REVISED NOTES	
	TAPER SAW CUT	CONCRETE PAVEMENT REPAIR
3-1-2019		FULL DEPTH
3-1-2020	ADDED TRANSVERSE EXPANSION JOINT	
3-1-2021	REVISED NOTES	
		STANDARD A1-09

















	REVISIONS
ŝ	REVISED PRIME COAT TO TACK COAT, ADDED
	SECTION C-C AND PATCHES ACROSS JOINTS.
7	REVISED SPECIAL PROVISION REFERENCE
	REVISED NOTES
	REVISED NOTES
	UPDATED MIN PAVEMENT DIMENSIONS

STANDARD A2-08



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TE REVISIONS	<u>, </u>
2016 REVISED PRIME COAT TO TACK COAT	
AND REVISED NOTES. BUTT J	OINTS
2017 REMOVED PAY ITEM DESIGNATION FROM TEMPORARY	
NOTES REVISED MIN + THICKNESS	
UPDATED BUTT JOINT §YPE 2	
ADDED TRAFFIC ARROWS	
2018 ADDED DIRECTION ARROWS STANDAR	א כ



SUBGRADE AGGREGATE

PAVEMENT CROSS - SECTION (2 LANES)



Poul Koracs APPROVED. CHIEF ENGINEERING OFFICER DATE 5-1-2009 **+= CONCRETE PAVEMENT THICKNESS**

GENERAL NOTES:

- DOWEL BASKET ASSEMBLIES, WHERE USED, SHALL BE SUPPORTED AND ANCHORED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND CONCRETE SPECIAL PROVISION.
- 2. MATERIALS ARE PROJECT SPECIFIC. REFER TO PROJECT PLANS AND CONTRACT DOCUMENTS FOR DETAILS.
- 3. SEE ILLINOIS TOLLWAY STANDARD DRAWING AT (PAVEMENT JOINTS) AND IDOT HIGHWAY STANDARD 420001 (PAVEMENT JOINTS) FOR DETAILS OF JOINTS AND TIE BARS NOT SHOWN.
- 4. PAVEMENT DESIGNS ARE PROJECT SPECIFIC, OTHER MATERIALS MAY BE SUBSTITUTED FOR ASPHALT STABILIZED SUBBASE AND SUBGRADE AGGREGATE. REFER TO PROJECTS PLANS FOR DETAILS AND MATERIAL THICKNESS.
- 5. THE TIE BAR FOR THE LONGITUDINAL SAWED JOINT SHALL BE 18" FROM THE TRANSVERSE CONTRACTION JOINT.
- 6. THE 1'-6" WIDE ASPHALT STABILIZED SUBBASE MAY BE REDUCED TO 1'-0" WHEN PAVING EQUIPMENT UTILIZED FOR CONSTRUCTION OF THE PCC PAVEMENT WILL ALLOW.
- 7. THE 15'-O" TYPICAL TRANSVERSE JOINT SPACING DIMENSION SHALL BE ADJUSTED TO 12'-O" MIN. TO 18'-O" MAX. WHEN PLACED ADJACENT TO EXISTING PCC PAVEMENT STRUCTURE SO THAT THE JOINTS ARE IN PROLONGATION. ADJUST THE TIE BAR SPACING TO MAINTAIN A CLEARANCE OF 6" FROM DOWEL BARS.

		Illinois Tollway
DATE	REVISIONS	
3-31-2016	SHOW SUBBASE WIDENED	
3-31-2017	COMBINED WITH A6	J.P.C. PAVEMENT
	REVISED WIDTH	
03-01-18	CORRECTED DIMENSION	
03-01-19	UPDATED NOTES	
03-01-20	UPDATED CROWN AND DOWELS	
03-01-21	UPDATED NOTES	STANDAND AS-UT

SHEET 1 OF 2





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W Koracs

02/17/2019



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(JOINTED PLAIN CONCRETE PAVEMENT)

GENERAL NOTES:

- 1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
- 2. t = PAVEMENT THICKNESS.
- 3. A %" WIDE SAW CUT SHALL BE PROVIDED AFTER THE SECOND POUR FOR PAVEMENT CRACK CONTROL. MINIMUM DEPTH SHALL BE t/3.





APPROVED. CHIEF ENCINEERING OFFICER DATE 3-1-2019

JOINTED PCC RAMP ADJACENT TO JOINTED PCC MAINLINE PAVEMENT

- 2. STUBS SHALL BE THE MINIMUM DIMENSION AS SHOWN AND

- JOINT SPACING SHALL BE 15' LONG BY 15' WIDE. TYPICAL

		Illinois Tollway
DATE 3-1-2020 3-1-2021	REVISIONS UPDATED DIMENSIONS TIE BARS AT 36" CENTERS UPDATED SHOULDER TO 11"	JOINTING PLAN ENTRANCE RAMP TERMINAL WITH AUXILIARY LANE
		STANDARD A12-02



STANDARD A12-02



JOINTED PCC RAMP ADJACENT TO JOINTED PCC MAINLINE PAVEMENT

Paul Koracs DATE 3-31-2017 APPROVED. CHIEF ENGINEERING OFFICER

- 1. ALL TRANSVERSE CONSTRUCTION AND EXPANSION PAVEMENT JOINTS SHALL BE DETAILED AS SHOWN ON ILLINOIS TOLLWAY STANDARD DRAWING A7. ALL OTHER PAVEMENT JOINTS SHALL BE DETAILED AS SHOWN ON IDOT HIGHWAY STANDARD 420001.
- 2. STUBS SHALL BE THE MINIMUM DIMENSION AS SHOWN AND ALIGNED WITH A MAINLINE TRANSVERSE JOINT.
- 3. 6' NOSE LOCATION SHALL BE ADJUSTED TO BE ALIGNED WITH A
- 4. TYPICAL P.C.C. PAVEMENT JOINT SPACING SHALL BE 15'.
- 5. AS ADDITIONAL RAMP LANES ARE ADDED, THE MAXIMUM JOINT SPACING SHALL BE 15' LONG BY 15' WIDE. TYPICAL SPACING IS 15' LONG BY 12' WIDE. LONGITUDINAL JOINT LOCATIONS IN THE
- 6. DIMENSIONS OF LANE 1 SHALL BE AS SHOWN ON THE PLANS.

		SHEET 1 OF 2
		Illinois Tollway
DATE	REVISIONS	
3-01-2018	MOVED RAMP PAVEMENT	
8-01-2019	MODIFIED DETAILS	
	ADDED PCC ADJ TO CRC	WITH AUXILIART LANE
8-01-2020	UPDATED 12' MIN AT GORE	
3-01-2021	TIE BARS AT 36" CENTERS	STANDARD A13-04
		STANDAND ALS OF







APPROVED.

SHEET 2 OF 2

ENTRANCE RAMP TERMINAL

STANDARD A14-07







385' NOMINAL 12 12'-14' (SEE NOTE 7) -13 10 SEE DETAIL B-11′ -35:1 TAPER 10' ASPHALT SHOULDER -ILLINOIS TOLLWAY STANDARD DRAWING A7. ALL OTHER JOINT SPACING SHALL BE 15' LONG BY 15' WIDE. TYPICAL SPACING IS 15' LONG BY 12' WIDE. LONGITUDINAL JOINT SHEET 1 OF 2 Illinois DATE REVISIONS *Tollway* JPDATED NOTES AND REVISED 3-31-201 RECOVERY TAPER. EVISED NOTES JOINTING PLAN

OVED RAMP PAVEMENT

PDATED DETAIL A AND B DDED 150' TAPER

PDATED 12' MIN AT GORE IE BARS AT 36" CENTERS

PDATED SHOULDER TO

01-20 01-20

LOOP RAMP ONLY STANDARD A16-07

PARALLEL EXIT RAMP TERMINAL





APPROVED. CHIEF ENGINEERING OFFICER DATE 1-31-2015

JOINTED PCC RAMP ADJACENT TO JOINTED PCC MAINLINE PAVEMENT

- JOINT SPACING SHALL BE 15' LONG BY 15' WIDE. TYPICAL

		Illinois Tollway
DATE	REVISIONS	
31-2016	UPDATED NOTES & CALL-OUTS	JOINTING PLAN PARALLEI
31-2017	UPDATED NOTES.	ENTRANCE DAMP TERMINAL
01-2018	MOVED RAMP PAVEMENT	ENTRANCE RAME TERMINAL
01-2019	ENTRANCE LAYOUT UPDATE	LOOP RAMP ONLY
01-2020	UPDATED DIMENSION	
01-2021	TIE BARS AT 36" CENTERS	
	UPDATED SHOULDER TO 11'	STANDARD ATT-OT





TYPICAL REINFORCEMENT DETAIL FOR STANDARD SLABS







ALL BARS ARE TRIMMED TO FIT #5 BAR

Paul Koracs APPROVED CHIEF ENGINEERING OFFICER

STANDARD A18-05

PRECAST PAVEMENT SLABS

Illinois Tollway

SHEET 2 OF 12

FOR ALL CUSTOM SLABS OF TRAPEZOID SHAPES, REINFORCEMENT SHALL BE LAID OUT IN A PERPENDICULAR GRID PATTERN, NOT SKEWED.

* MIN. CLEARANCE FOR TOP REINFORCEMENT SHALL BE ADJUSTED FOR PLAZA SLAB TO FIT TREADLE FRAMES OR INSERTED HARDWARE.

NOTE:



STANDARD A18-05





STANDARD A18-05

PRECAST PAVEMENT SLABS



BEDDING GROUT PORTS

STANDARD A18-05



		MAINLINE	DALID	RAMP	WITH :	SLAB D	A LINE	INS TO I		BUT NOT	T BE LIN	MITED T	O THE	TABLE		LUW.			WELCHT	DIAGONA	LS (F
	NUMBER	LANE NO.	ID.	LANE NO.	NO.	LANE NO.	NO.	TYP.	AB (F T.)	AC (FT.)	BD (FT.)	CD (FT.)	SIDE	SIDE	SIDE	al " SIDE	AREA (SQ.FT.)	(CU. FT.)	(TONS)	AD	В
MAINLINE L RAMP LANE PLAZA LANE MARK NO.: LANE TYP.:	ANE NO.: NO.: E NO.:	LANE LANE LANE EACH ''OUT'' ''IN'' I ''PLAZ	NO 1 IS NO 1 IS NO 1 IS PANEL S IN THI IN THI IN THIS A" IN T	5 ADJAC 5 ADAJA 5 ADAJA 5 ADAJA 5 ADAJA 5 ADAJA 15 COLU 16 COLUM 17 FIS CO	CENT T ACENT BE IND JMN IND JMN IND IMN INDI DLUMN	O MEDIA TO THE TO THE IVIDUAL DICATES DICATES CATES INDICAT	AN SHOL BUILDI BUILDI LLY MAR OUTSI MIDDLI INSIDE ES PLA	JLDER. NG NG RKED FOF DE LANE E LANE. LANE ZA LANE	CORRE	CT PLAC	EMENT.				• LEG DB= DS= ST= RD=	END Dowel Dowel Slot o FIELD F	BAR EME SLOT R HOLE ETROFI	BEDDED FOR STIT TTED DOW	CHED TI EL BARS	e bar	
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LAYOUT	sı FOR	ide ab CUST	ТОМ	SLA	. <u>BS</u>						2'-5'' TYP.			•		2'-0'' TYP.	-0			* •	











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EXISTING PCC PAVEMENT

NOTE: * FOR DOWEL BARS FULLY RETROFITTED IN THE FIELD, REFER TO DETAIL C ON SHEET 10.

SHEET 9 OF 12

Illinois Tollway

PRECAST PAVEMENT SLABS

STANDARD A18-05



	CTATION	MAINLINE	DAVIS	RAMP	D	PLAZA	A							٧	ARIABLE	ES									05 ¥		4051			DIAGONAL	LS (FT.
CORRIDOR	NUMBER	LANE NO.	ID.	LANE NO.	NO.	LANE NO.	NO.	TYP.	AB (FT.)	AC (FT.)	BD (F T.)	CD (FT.)	P (NO.)	Q (FT.)	R (FT.)	S (NO.) (T 10.)	V (NO.)	W (FT.)	X (FT.)	Y (FT.)	Z (FT.)	SIDE	BD ★ SIDE	SIDE	AC * SIDE	AREA (SQ.FT.)	(CU. FT.)	(TONS)	AD	BC
MAINLINE RAMP LAN PLAZA LAI MARK NO.: LANE TYP,	LANE NO. E NO.: NE NO.:	ELANE LANE LANE EACH ''OUT' ''IN'' ''IN'' ''PLAZ	NO. 1 NO. 1 PANEL 'IN TH 'IN THI 'A'' IN	IS ADJ, IS ADA IS ADA SHALL HIS COL HIS COL THIS C	ACENT 1 JACENT JACENT BE IND LUMN INI UMN INI MN INDI COLUMN	TO MED TO THE TO THE IVIDUAL DICATES DICATES INDICAT	IAN SHOL E BUILDI E BUILDI LLY MARH S OUTSIE S MIDDLE INSIDE L INSIDE L	JLDER. NG KED FOR DE LANE. LANE. ANE ZA LANE	CORREC	T PLACE	EMENT.				* <u>LEC</u> DB= DS= ST= RD=	GEND DOWEL BA DOWEL SL SLOT OR FIELD RET	R EMB)T HOLE H ROFIT	EDDED FOR ST TED DC	ITCHED WEL BAI	TIE BA RS	R									I	
									⊨=				DC S	IDE VA	RIABLE																
							STITCH DEF T	HED #6 ORMED IE BAR -		2'-0'' MIN.	• •	2'0'' TYP.	SEE FOR TI	VARIAE BAR		Y Y	• • (2 - • (2 - • (2 - • (2) - • (2) -	<u>'''' м</u> <u>''-0'' м</u> 			XISTING AVEMEN' RECAST EE NOTE	CONCRI I OR NE SLAB I	ETE EW								
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				T DI	IRAFFIC RECTION	RD SIDE VA	SEE VARIABLE 'P' FOR DC	F L		, _F , _ ↑ , *	0			•			0	*			SEE VARIABLE 'S' FOR DC	AC SIDE VARI						<u>N</u> 1.	OTES: NO S REQUI ADJAC ISLAN	TITCHING RED WHEN ENT TO H	OF DEF N PREC, HMA SH

INSTALLATION DETAIL FOR CUSTOM SLABS

SEE VARIABLE 'V' FOR TIE BAR QUANTITY

AB SIDE VARIABLE

SEE DETAIL H FOR STITCHING ON SHEET 12-

'Z' (2'-0'' MIN.)

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RETROFITTED 1½″Ø DOWEL BAR, TYP. SEE DETAIL G FOR INSTALLATION OF DOWEL BARS —/

2'-0''

MIN.

В

2'-0''

TYP.

Paul Koracs APPROVED. CHIEF ENGINEERING OFFICER DATE 5-1-2009

- FORMED TIE BARS IS CAST SLAB IS PLACED HOULDER OR PLAZA
- TIE BAR STITCHING SHALL BE REOUIRED WHEN THE REPAIR AREA LENGTH EXCEEDS 20 FT. OR WHEN MORE THAN 3 PRECAST SLABS ARE PLACED IN SEOUENCE. ۷.
- 3. SHOP DRAWINGS SHALL BE REQUIRED FOR ALL CUSTOM PLAZA SLABS.







NOTES FOR TIE BAR STITCHING:

- DRILL HOLES THAT ARE ORIENTED AT 40° ± 5° ANGLE TO THE PAVEMENT SURFACE SO THAT THEY INTERSECT THE LONGITUDINAL CRACK OR JOINT AT ABOUT MID-DEPTH. (IT IS IMPORTANT TO START DRILLING THE HOLE AT A CONSISTENT DISTANCE FROM THE JOINT, IN ORDER TO CONSISTENTLY CROSS AT THE MID-DEPTH OF THE SLAB.)
- 2. HOLE CENTERLINES ARE PERPENDICULAR TO THE JOINT (IN PLAN VIEW) AT EACH LOCATION BEING DRILLED.
- 3. SELECT A DRILL THAT MINIMIZES DAMAGE TO THE CONCRETE SURFACE, SUCH AS A HYDRAULIC POWERED DRILL. SELECT A DRILL DIAMETER NO MORE THAN 0.375 IN. LARGER THAN THE TIE BAR DIAMETER. CHOOSE A GANG-MOUNTED DRILL IF A HIGHER PRODUCTIVITY IS NEEDED.
- 4. DRILL HOLES WITH NO LESS THAN A 24 INCH BAR SPACING. ADJACENT HOLES ARE DRILLED IN OPPOSITE DIRECTIONS ACROSS THE JOINT. THE HOLES AND INSERTED TIE BAR SHALL BE NO LESS THAN 24 INCHES FROM ANY EXISTING TRANSVERSE JOINT OR ANY PRECAST OR REPAIR TRANSFER JOINT.
- 5. HOLE BOTTOMS ARE NO MORE THAN 1 INCH FROM THE SLAB BOTTOM.
- 6. AIR BLOW THE HOLES TO REMOVE DUST AND DEBRIS AFTER DRILLING.
- INJECT ADHESIVE INTO THE HOLE, LEAVING SOME VOLUME FOR THE BAR TO OCCUPY THE HOLE. (POURING THE ADHESIVE IS ACCEPTABLE FOR SMALL QUANTITIES.)
- 8. INSERT THE NO. 6 EPOXY COATED DEFORMED TIE BAR INTO THE HOLE, LEAVING ABOUT 1 IN. FROM THE TOP OF BAR TO THE PAVEMENT SURFACE. DEFORMED TIE BARS SHALL BE EPOXY COATED.
- 9. REMOVE EXCESS ADHESIVE AND FINISH FLUSH WITH THE PAVEMENT SURFACE.

	SHEET	12	OF	12
2		<i>10</i>	is	
	Toll	Wa	y	
PRECAST PA	VEMENT	. Sl	ABS	5
STANDAF	RD A18-	05		

