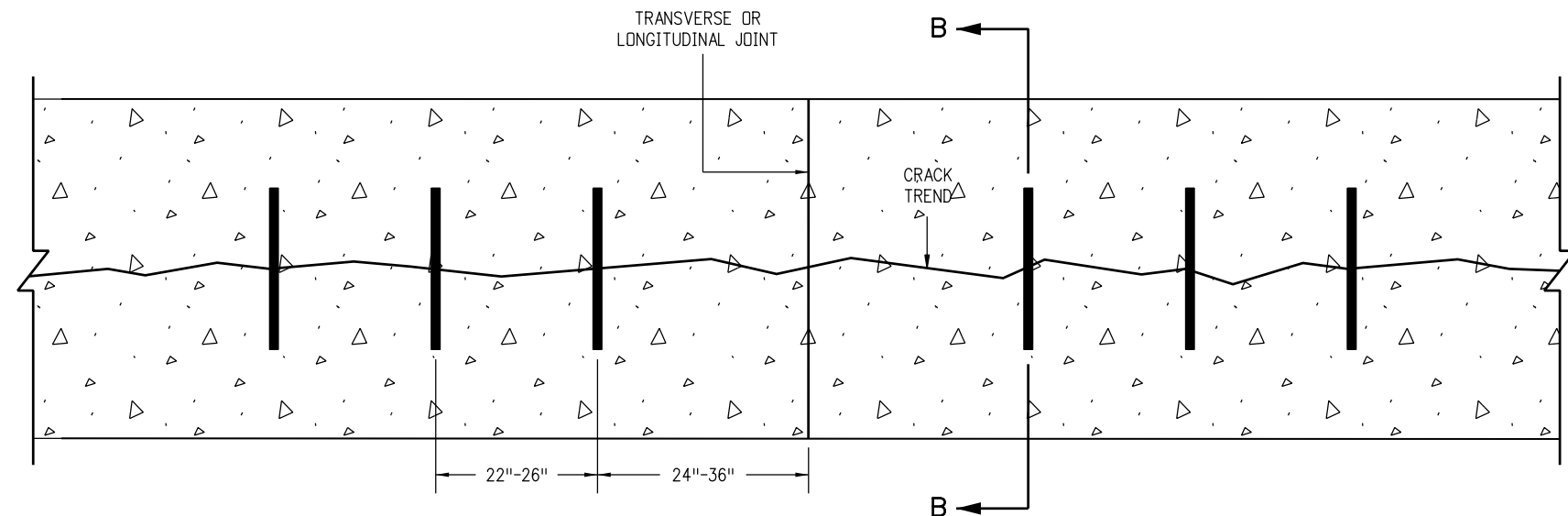
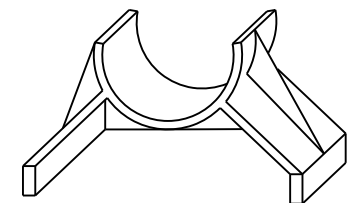




PLAN VIEW

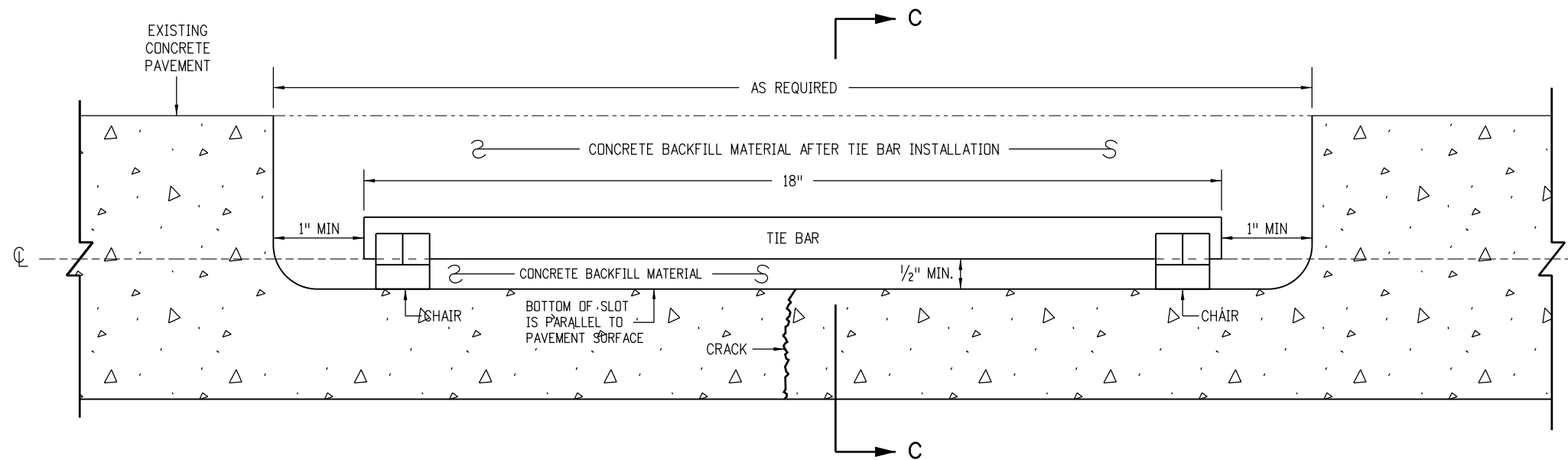
PAVEMENT THICKNESS (T)	TIE BAR SIZE
$T \leq 6$ INCHES	#4
6 INCHES $< T < 8$ INCHES ON UNBOUNDED BASE	#5
6 INCHES $< T < 8$ INCHES ON LIME TREATED, ASPHALT OR CEMENT TREATED, MILLED ASPHALT OR RECYCLED ASPHALT BASES	#6

TIE BARS SHOULD BE PLACED APPROXIMATELY PERPENDICULAR TO THE GENERAL TREND OF THE CRACK.

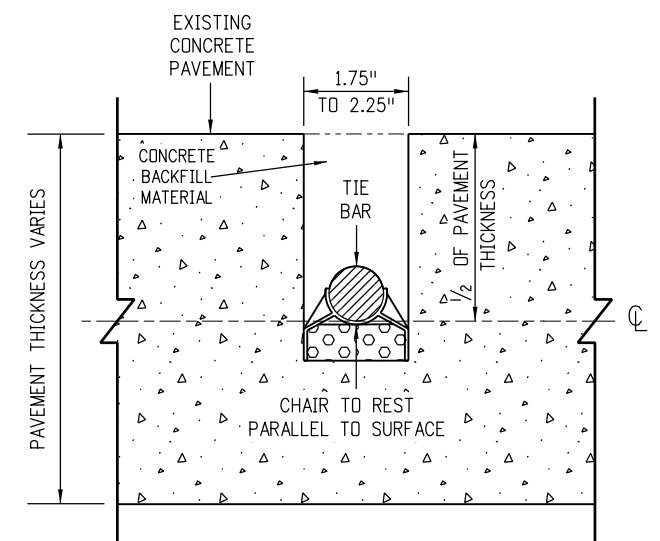


TYPICAL CHAIR DETAIL

ONE REQUIRED UNDER EACH END OF TIE BAR



SECTION B-B

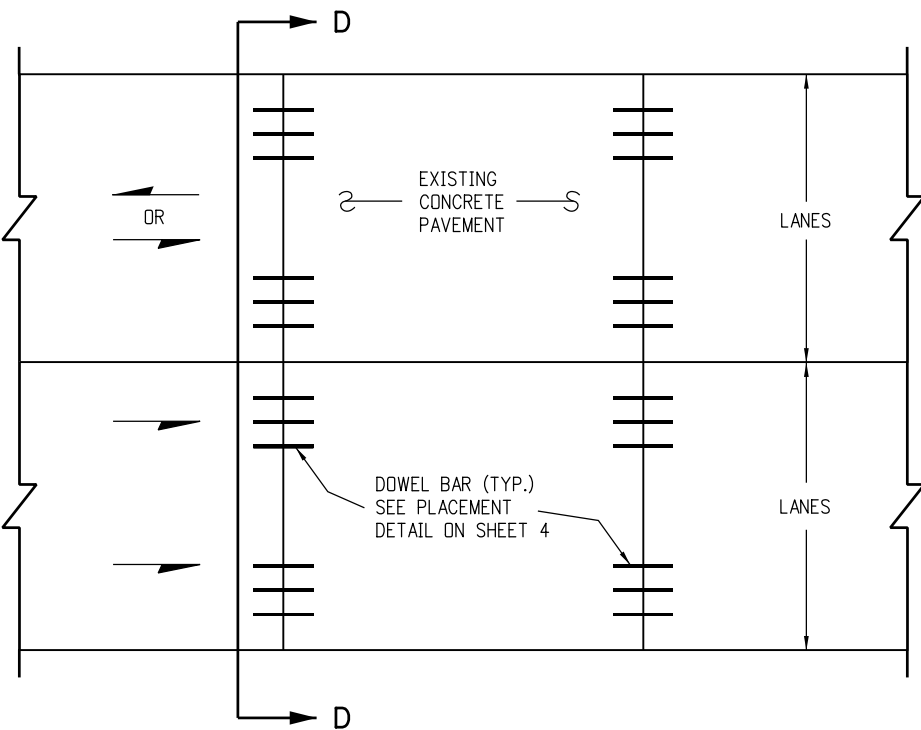


SECTION C-C

SLOT STITCHING DETAILS

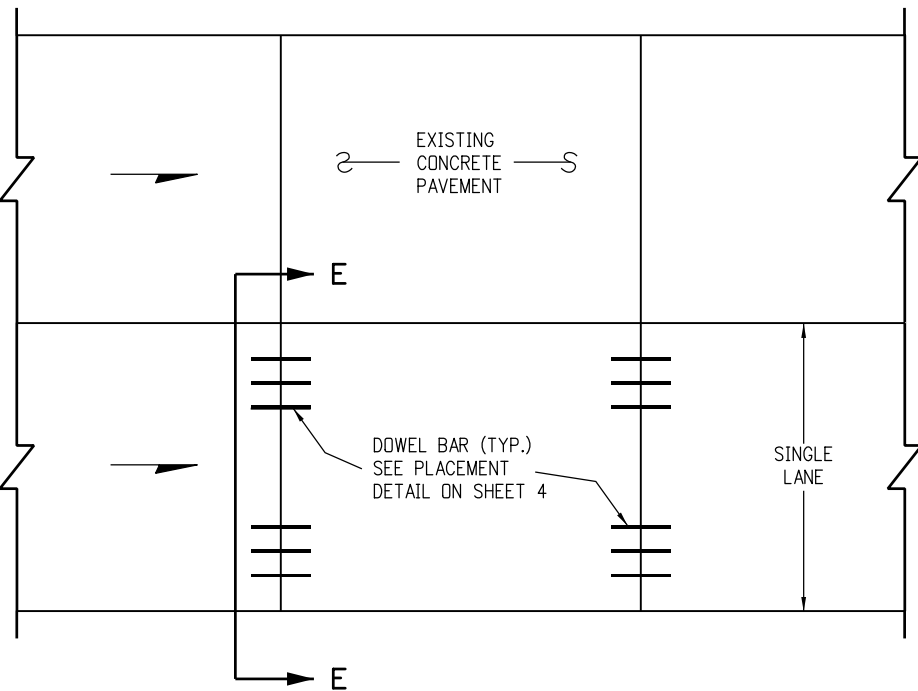
FOR PCCP 8" OR MORE IN THICKNESS

Computer File Information		Sheet Revisions		 Colorado Department of Transportation 2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868 Project Development Branch JBK	CONCRETE PAVEMENT CRACK REPAIR		STANDARD PLAN NO.	
Creation Date: 10/07/19	(R-X) (R-X) (R-X) (R-X)	Date:	Comments		M-412-2		Standard Sheet No. 2 of 4	
Designer Initials: JBK		10/07/19	Created this new M-Standard.					
Last Modification Date: 10/07/19								
Detailer Initials: LTA								
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English					Issued by the Project Development Branch: July 31, 2019		Project Sheet Number:	



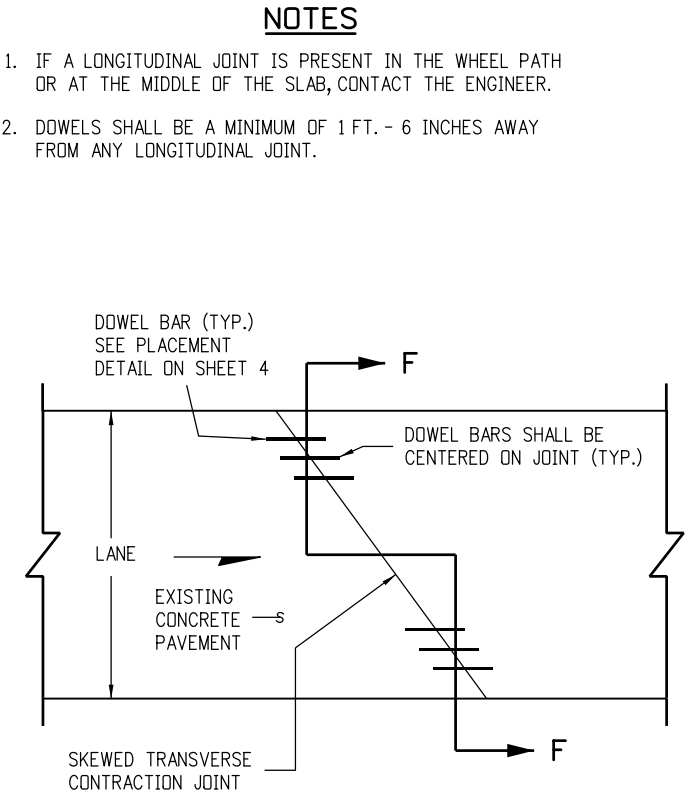
PLAN VIEW
DOWEL BAR RETRO FIT

FOR EACH LANE IN UNDIVIDED HIGHWAY (TWO WAY TRAFFIC)
OR FOR MULTI-LANE DIVIDED HIGHWAY (ONE WAY TRAFFIC)

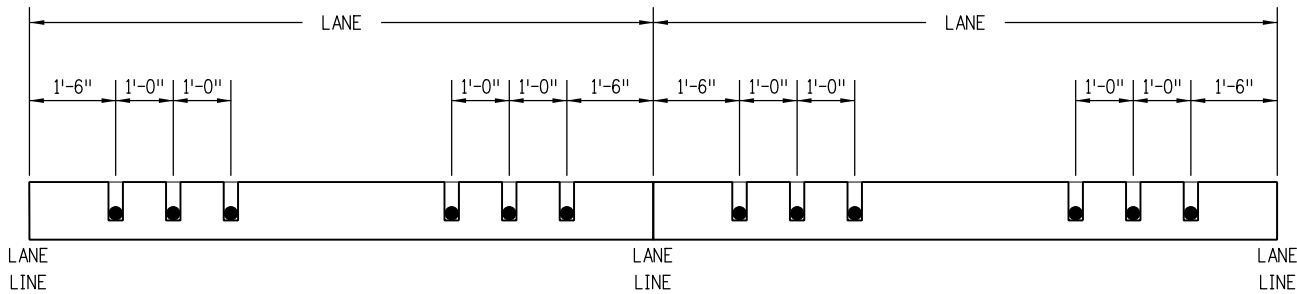


PLAN VIEW
DOWEL BAR RETRO FIT

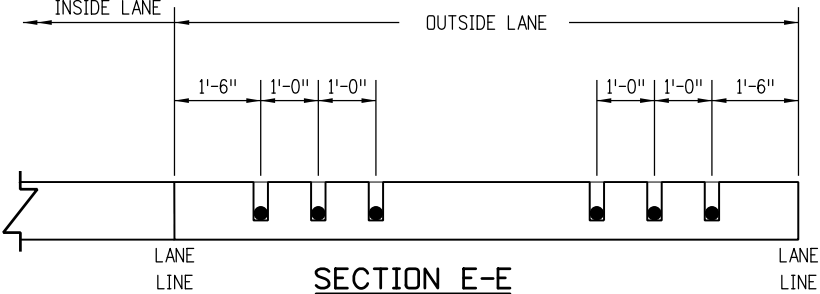
FOR SINGLE LANE RETROFIT



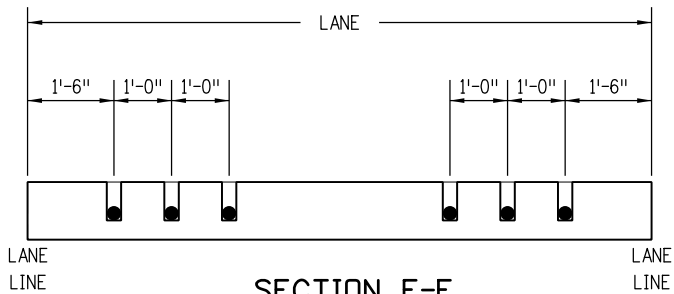
PLAN VIEW
SKEWED JOINT DETAIL



SECTION D-D



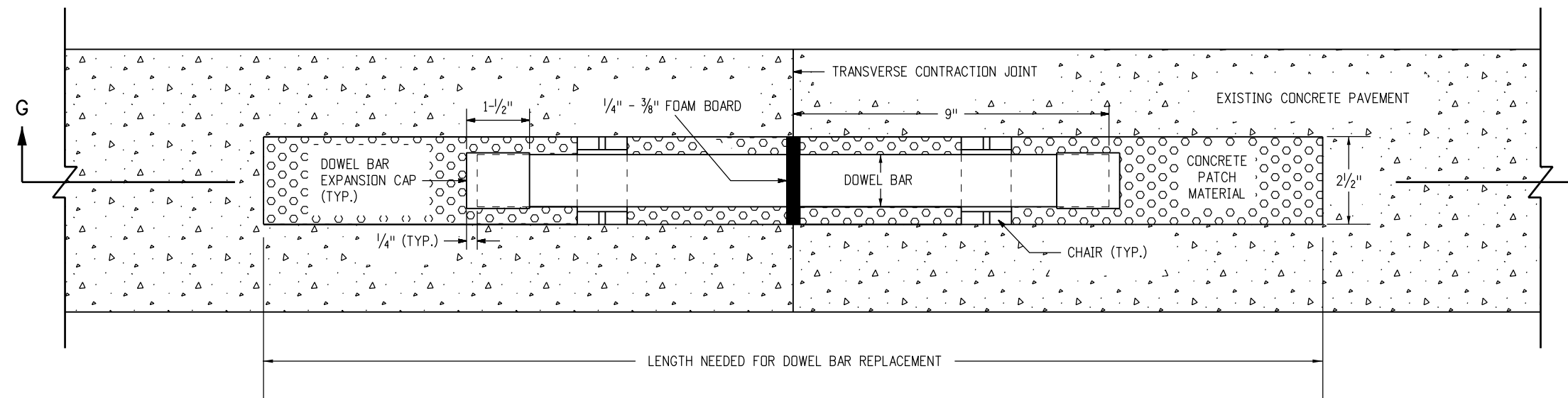
SECTION E-E



SECTION F-F

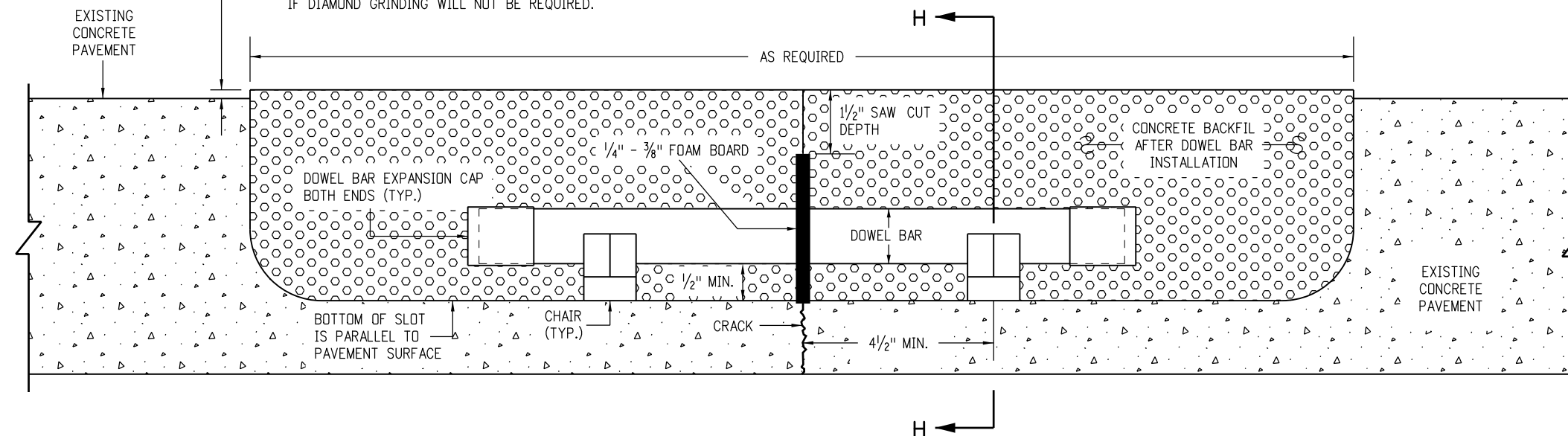
DOWEL BAR RETROFIT DETAILS

Computer File Information		Sheet Revisions		Colorado Department of Transportation  2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868 Project Development Branch JBK	CONCRETE PAVEMENT CRACK REPAIR		STANDARD PLAN NO.
Creation Date: 10/07/19		Date: 10/07/19	Comments: Created this new M-Standard.		M-412-2		
Designer Initials: JBK	(R-X)				Standard Sheet No. 3 of 4		
Last Modification Date: 10/07/19	(R-X)				Issued by the Project Development Branch: July 31, 2019		
Detailer Initials: LTA	(R-X)				Project Sheet Number:		
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English							



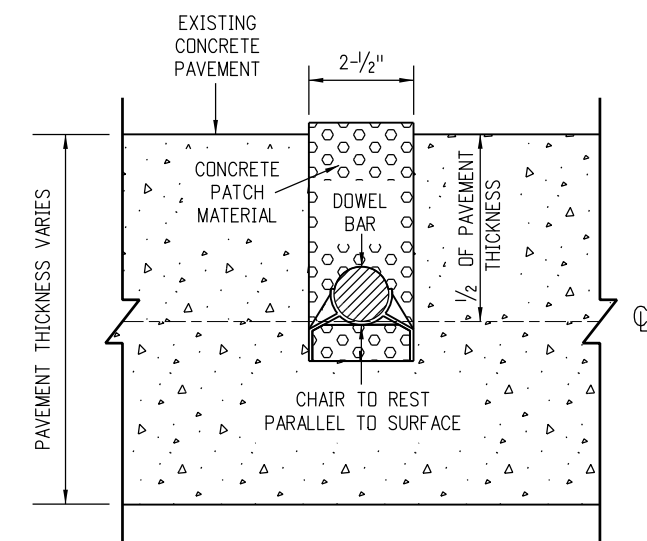
PLAN VIEW

1/8" DEPTH OF CONCRETE PATCH MATERIAL ABOVE EXISTING CONCRETE SURFACE FOR PROJECTS THAT WILL BE DIAMOND GROUND. MAKE FLUSH WITH EXISTING PAVEMENT SURFACE IF DIAMOND GRINDING WILL NOT BE REQUIRED.

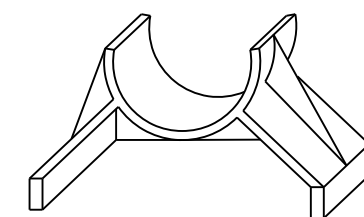


SECTION G-G

PAVEMENT THICKNESS (T)	DOWEL BAR DIAMETER
7 INCHES ≤ T < 8 INCHES	1 INCH
8 INCHES ≤ T ≤ 10 INCHES	1.25 INCH
10 INCHES < T ≤ 15 INCHES	1.50 INCH



SECTION H-H



TYPICAL CHAIR DETAIL

ONE REQUIRED UNDER EACH END OF DOWEL BAR

DOWEL BAR RETROFIT DETAILS

Computer File Information		Sheet Revisions		 Colorado Department of Transportation 2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868 Project Development Branch	CONCRETE PAVEMENT CRACK REPAIR	STANDARD PLAN NO.
Creation Date: 10/07/19	(R-X)	Date: 10/07/19	Comments: Created this new M-Standard.			M-412-2
Designer Initials: JBK	(R-X)					Standard Sheet No. 4 of 4
Last Modification Date: 10/07/19	(R-X)					
Detailer Initials: LTA	(R-X)					
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English				Project Development Branch	JBK	Issued by the Project Development Branch: July 31, 2019
						Project Sheet Number: