

NOTES:

1. THESE DETAILS ARE APPLICABLE FOR THE REHAB AND CONSTRUCTION OF 4" EXPANSION RELIEF JOINTS IN EXISTING CONCRETE PAVEMENTS IN OVERLAY PROJECTS. ALL SHEETS IN THIS SET SHALL BE USED TOGETHER. CONCRETE PAVEMENT ROADWAYS SHOULD BE CONSTRUCTED WITH EJ-4" RELIEF JOINTS IN THREE LOCATIONS NEAR EACH END OF A BRIDGE, AND AN ADDITIONAL RELIEF JOINT AT THE END OF THE APPROACH SLAB, AS SHOWN ON ROADWAY STANDARD PLAN "CP-01".

EXISTING EJ-4" JOINTS SHALL BE REPAIRED ACCORDING TO THE DETAILS ON SHEET 2 OF 4 OF THESE PLANS. LOCATIONS THAT ARE LACKING AN EJ-4" JOINT WHERE ONE SHOULD EXIST WILL REQUIRE CONSTRUCTION OF A NEW JOINT ACCORDING TO THE DETAILS ON SHEET 3 OF 4. EJ-4" JOINTS SHOULD BE LOCATED AS CLOSELY AS POSSIBLE TO THE LOCATIONS SHOWN ON "CP-01".

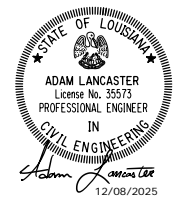
EXISTING EXPANSION RELIEF JOINTS LOCATED AT THE END OF AN APPROACH SLAB SHALL BE REPAIRED ACCORDING TO THE DETAILS ON SHEET 4 OF 4 OF THESE PLANS. IF NO JOINT EXISTS AT THE END OF THE APPROACH SLAB, NO WORK IS REQUIRED AT THAT LOCATION.

2. PAYMENT: ALL WORK WILL BE PAID FOR UNDER THE DESIGNATED EXPANSION JOINT REHABILITATION PAY ITEM.

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SERIES	DESCRIPTION
1 OF 4	EXPANSION JOINT REHAB NOTES AND INDEX
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3 OF 4	CONSTRUCTION OF NEW EJ-4" JT. IN EXISTING PAVEMENT
4 OF 4	REHAB OF EXISTING EXPANSION JOINT NEAR APPROACH SLAB

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PAVEMENT EXPANSION JOINT REHAB FOR OVERLAY PROJECTS
 NOTES AND INDEX
 PREVENTIVE MAINTENANCE

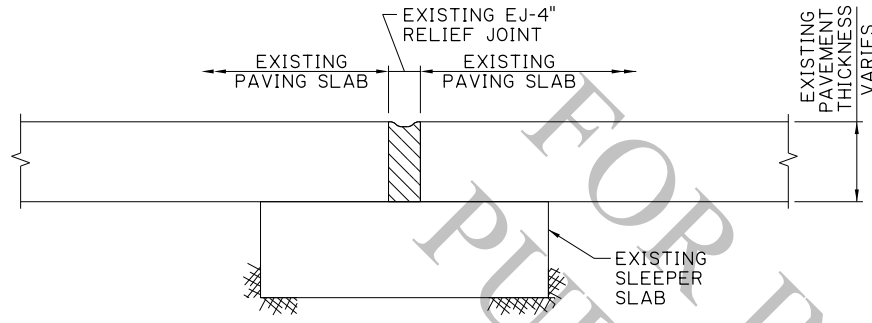


NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

DESIGNED	A.LANCASTER
CHECKED	X. WANG
DETAILED	A.LANCASTER
CHECKED	R. MORVANT
REVIEWED	Z.Z. FU
SERIES #	1 OF 4

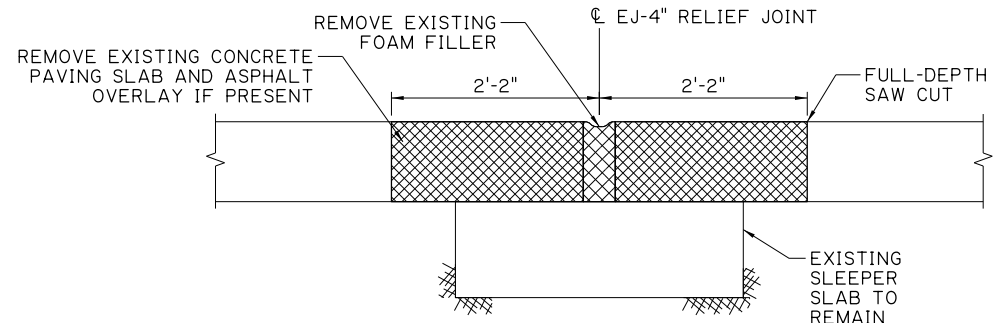
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CONTROL SECTION	
STATE PROJECT	

SHEET NUMBER



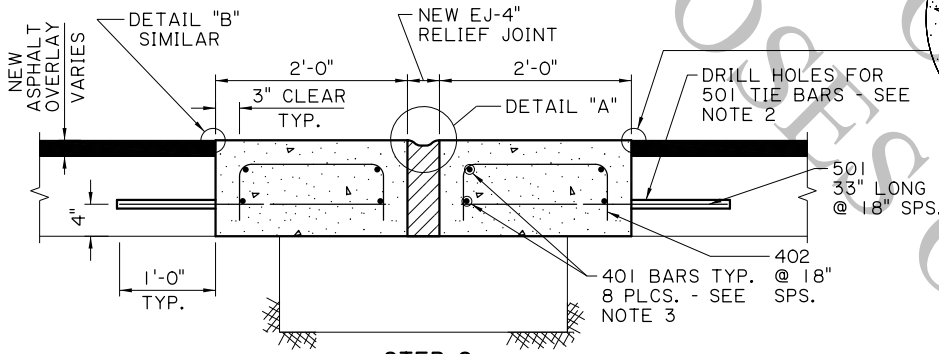
EXISTING EJ-4 RELIEF JOINT IN CONC. PAVEMENT

NTS



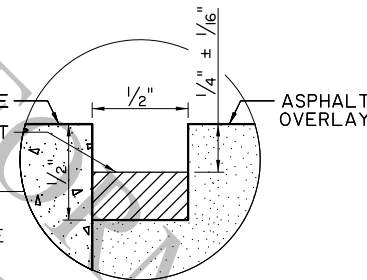
STEP 1

PAVEMENT DEMO - SEE NOTE 2
NTS



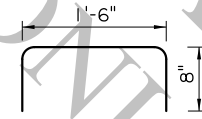
STEP 2

NEW EJ-4" RELIEF JOINT AT PAVEMENT WITH ASPHALT OVERLAY
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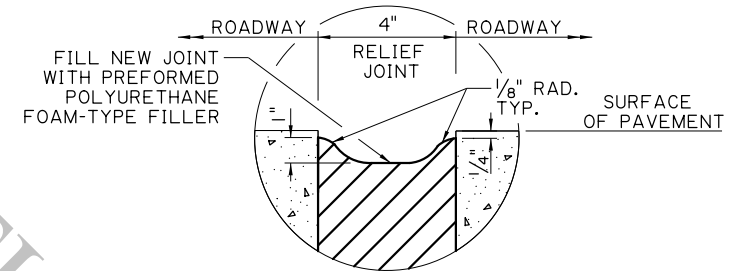


DETAIL B

NTS



402
2" Ø PIN



DETAIL A

NEW INSTALLED FOAM FILLER
NTS

NOTES:

1. THIS PLAN IS APPLICABLE FOR THE REHABILITATION OF EXISTING 4" RELIEF JOINTS IN CONCRETE PAVEMENT WITH ASPHALT OVERLAY.
2. INSTALLATION PROCESS: REMOVE THE EXISTING FOAM FILLER. SAWCUT AND REMOVE EXISTING CONCRETE PAVING SLABS AND EXISTING ASPHALT OVERLAY, IF PRESENT, AS SHOWN IN "STEP 1". DEFORMED TIE BARS 501 SHALL BE INSTALLED IN EXISTING PAVEMENT BY DRILLING HOLES LARGER THAN THE BAR DIAMETER (1/8" WHEN EPOXY IS USED, 1/2" WHEN A CEMENTITIOUS GROUT ANCHOR SYSTEM IS USED, AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WHEN ADHESIVE ANCHOR SYSTEMS ARE USED.) HOLES SHALL BE CLEAN AND MOISTURE FREE PRIOR TO PLACEMENT OF ANCHOR SYSTEM. ANCHOR SYSTEM INJECTION SHALL BE SUFFICIENT TO FILL THE VOID BETWEEN THE BAR AND THE HOLE, AS EVIDENCED BY MATERIAL SQUEEZE-OUT WHEN THE BAR IS INSERTED. PREVENT BARS FROM BEING DISTURBED UNTIL ANCHOR SYSTEM HAS SUFFICIENTLY CURED. PRIOR TO PLACING NEW CONCRETE, THE FACES OF EXISTING CONCRETE SHALL BE COATED WITH AN EPOXY RESIN TYPE II, GRADE B OR C FROM THE APPROVED MATERIALS LIST. NEW CONCRETE SHALL BE TYPE E AND SHALL OBTAIN 3500 PSI MINIMUM SPECIFIED COMPRESSIVE STRENGTH PRIOR TO OPENING TO TRAFFIC. NEW CONCRETE SHALL RECEIVE A TINE FINISH. FILL NEW JOINT OPENING WITH FULL-DEPTH FOAM FILLER AS SHOWN IN "STEP 2" AND DETAIL "A".
3. WHEN REPAIRING AN EXPANSION JOINT IN PHASES, LEAVE 6" OF EXPOSED 401 BAR AT THE CONSTRUCTION JOINT FOR THE ATTACHMENT OF MECHANICAL SPLICES. LEAVE 3" CLEAR COVER AT THE ENDS OF 401 BARS.
4. BASIS OF PAYMENT: ALL WORK ASSOCIATED WITH THE RELIEF JOINT WILL BE PAID FOR UNDER THE DESIGNATED EXPANSION JOINT REHABILITATION PAY ITEM.



PAVEMENT EXPANSION JOINT REHAB FOR OVERLAY PROJECTS
EXISTING EJ-4" PAVEMENT RELIEF JOINT
PREVENTIVE MAINTENANCE

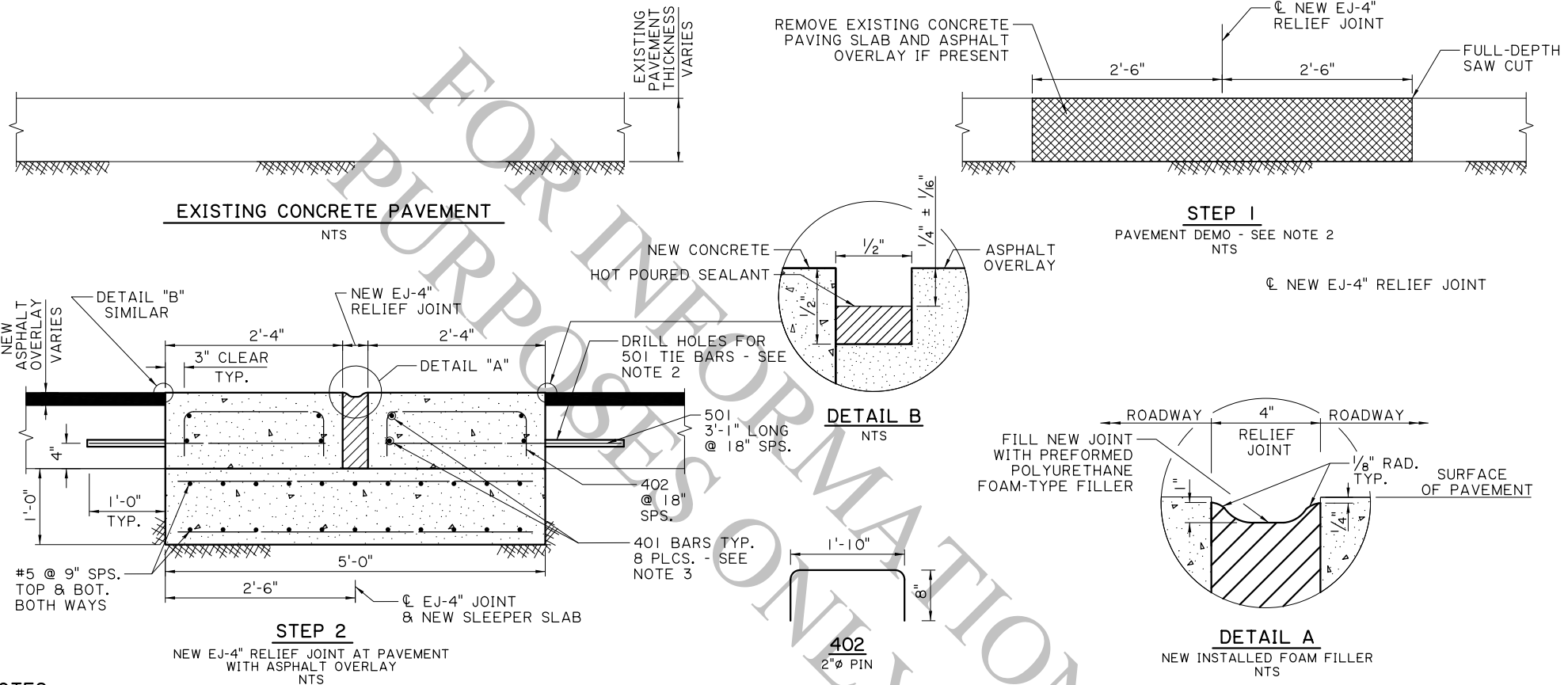


NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

DESIGNED	A.LANCASTER
CHECKED	X. WANG
DETAILED	A.LANCASTER
CHECKED	R. MORVANT
REVIEWED	Z.Z. FU
SERIES #	2 OF 4

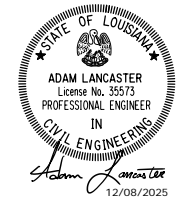
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CONTROL SECTION	
STATE PROJECT	

SHEET NUMBER

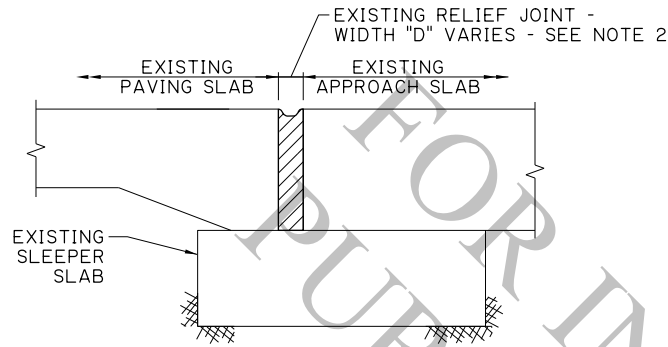


NOTES:

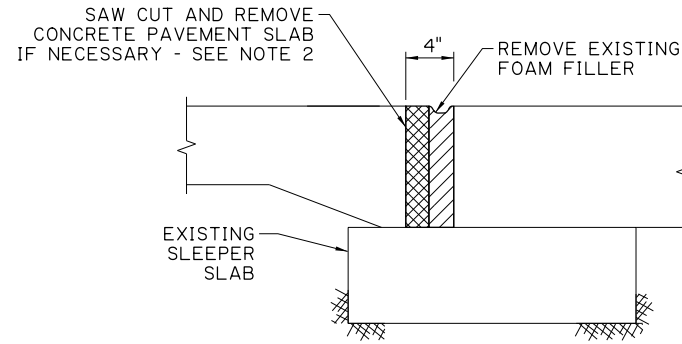
1. THIS PLAN IS APPLICABLE FOR THE CONSTRUCTION OF NEW 4" RELIEF JOINTS IN EXISTING CONCRETE PAVEMENT WITH ASPHALT OVERLAY.
2. INSTALLATION PROCESS: SAWCUT AND REMOVE EXISTING CONCRETE PAVING SLAB AND EXISTING ASPHALT OVERLAY, IF PRESENT, AS SHOWN IN "STEP 1". INSTALL SLEEPER SLAB WITH #5 DEFORMED BARS AS SHOWN IN "STEP 1". DEFORMED TIE BARS 501 SHALL BE INSTALLED IN EXISTING PAVEMENT BY DRILLING HOLES LARGER THAN THE BAR DIAMETER (1/8" WHEN EPOXY IS USED, 1/2" WHEN A CEMENTITIOUS GROUT ANCHOR SYSTEM IS USED, AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WHEN ADHESIVE ANCHOR SYSTEMS ARE USED.) HOLES SHALL BE CLEAN AND MOISTURE FREE PRIOR TO PLACEMENT OF ANCHOR SYSTEM. ANCHOR SYSTEM INJECTION SHALL BE SUFFICIENT TO FILL THE VOID BETWEEN THE BAR AND THE HOLE, AS EVIDENCED BY MATERIAL SQUEEZE-OUT WHEN THE BAR IS INSERTED. PREVENT BARS FROM BEING DISTURBED UNTIL ANCHOR SYSTEM HAS SUFFICIENTLY CURED. PRIOR TO PLACING NEW CONCRETE, THE FACES OF EXISTING CONCRETE SHALL BE COATED WITH AN EPOXY RESIN TYPE II, GRADE B OR C FROM THE APPROVED MATERIALS LIST. NEW CONCRETE SHALL BE TYPE E AND SHALL OBTAIN 3500 PSI MINIMUM SPECIFIED COMPRESSIVE STRENGTH PRIOR TO OPENING TO TRAFFIC. NEW CONCRETE SHALL RECEIVE A TINE FINISH. FILL NEW JOINT OPENING WITH FULL-DEPTH FOAM FILLER AS SHOWN IN "STEP 2" AND DETAIL "A".
3. WHEN REPAIRING AN EXPANSION JOINT IN PHASES, LEAVE 6" OF EXPOSED 401 BAR AT THE CONSTRUCTION JOINT FOR THE ATTACHMENT OF MECHANICAL SPLICES. LEAVE 3" CLEAR COVER AT THE ENDS OF 401 BARS.
4. BASIS OF PAYMENT: ALL WORK ASSOCIATED WITH THE RELIEF JOINT WILL BE PAID FOR UNDER THE DESIGNATED EXPANSION JOINT REHABILITATION PAY ITEM.



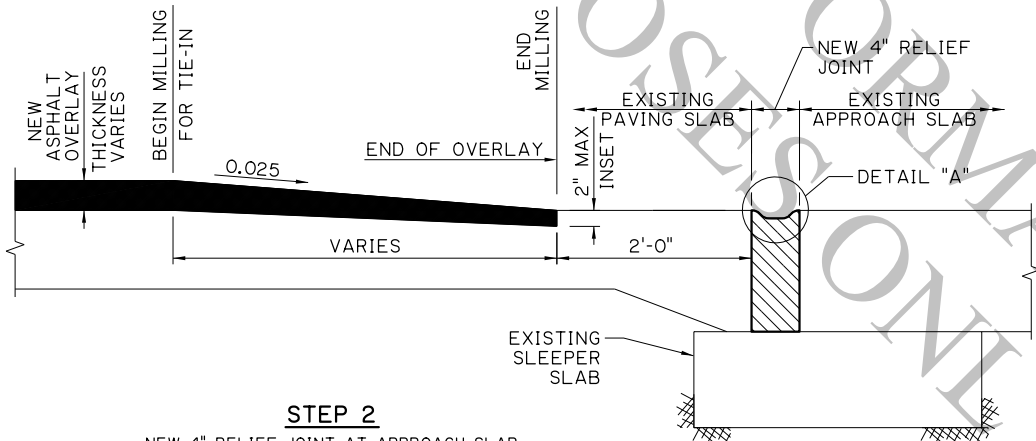
<p>DOTD BRIDGE DESIGN</p>	<p>PAVEMENT EXPANSION JOINT REHAB FOR OVERLAY PROJECTS</p> <p>NEW EJ-4" PAVEMENT RELIEF JOINT</p> <p>PREVENTIVE MAINTENANCE</p>		NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	DESIGNED A.L.LANCASTER	PARISH	<p>SHEET NUMBER</p>
							CHECKED X. WANG		
							DETAILED A.L.LANCASTER	CONTROL SECTION	
							CHECKED R. MORVANT		
				REVIEWED Z.Z. FU	STATE PROJECT		SERIES # 3 OF 4		



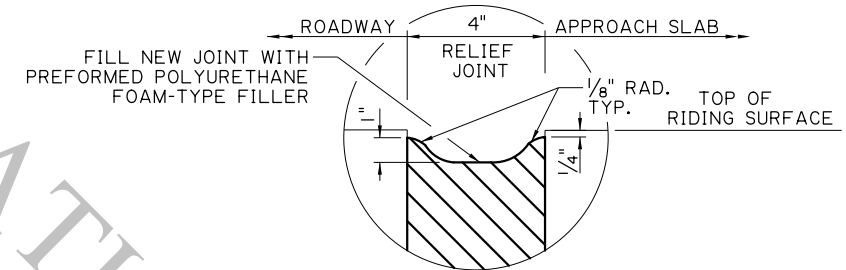
EXISTING RELIEF JOINT IN CONC. PAVEMENT AT APPROACH SLAB
NTS



STEP 1
PAVEMENT DEMO - SEE NOTE 2
NTS



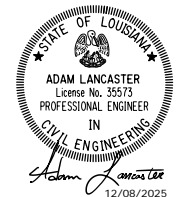
STEP 2
NEW 4" RELIEF JOINT AT APPROACH SLAB
WITH ASPHALT OVERLAY TRANSITION
NTS



DETAIL A
NEW INSTALLED FOAM FILLER
NTS

NOTES:

1. THIS PLAN IS APPLICABLE FOR THE REHABILITATION OF EXISTING 4" RELIEF JOINTS IN CONCRETE PAVEMENT AT THE END OF THE BRIDGE APPROACH SLAB, AS SHOWN IN THE BRIDGE DESIGN SPECIAL DETAILS FOR APPROACH SLABS.
2. IF THE WIDTH OF THE RELIEF JOINT ("D") IS 2" OR LESS, OR IF THE EXISTING FOAM JOINT FILLER IS DETERIORATED OR TORN, THEN REHABILITATION OF THE RELIEF JOINT IS REQUIRED. REMOVE THE EXISTING FOAM FILLER. SAWCUT AND REMOVE EXISTING CONCRETE PAVING SLAB AS NEEDED TO REESTABLISH 4" OPENING, AS SHOWN IN "STEP 1". VERTICAL SIDES OF JOINT OPENING MUST BE PARALLEL WITH RESPECT TO EACH OTHER, AND MUST BE PERPENDICULAR WITH RESPECT TO THE SLEEPER SLAB. DEMO PAVEMENT SLAB ONLY. DO NOT SAW CUT/DEMO THE APPROACH SLAB. JOINT OPENING AND VERTICAL EDGES OF SLABS MUST BE FREE OF DEBRIS BEFORE INSTALLATION OF NEW JOINT FILLER. FILL NEW JOINT OPENING WITH FULL-DEPTH FOAM FILLER AND TRANSITION ASPHALT OVERLAY AS SHOWN IN "STEP 2" AND DETAIL "A".
3. BASIS OF PAYMENT: ALL WORK ASSOCIATED WITH THE EXPANSION JOINT WILL BE PAID FOR UNDER THE DESIGNATED EXPANSION JOINT REHABILITATION PAY ITEM.



<p>DOTD DOTD BRIDGE DESIGN</p>	<p>PAVEMENT EXPANSION JOINT REHAB FOR OVERLAY PROJECTS</p>				DESIGNED A.LANCASTER	PARISH	SHEET NUMBER
	<p>4" EXPANSION JOINT @ APPROACH SLAB</p>		PREVENTIVE MAINTENANCE		CHECKED X. WANG		
					DETAILED A.LANCASTER	STATE PROJECT	
					CHECKED R. MORVANT		
				REVIEWED Z.Z. FU			
				NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY