ITEM SPECIAL - POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM		BACKER ROD:	
THIS ITEM WILL BE USED TO SEAL THE EXPANSION JOINTS AS PER THESE DETAILS AND THE MANUFACTURERS REQUIREMENTS USING A POLYMER MODIFIED ASPHALT SYSTEM. THE PRIME CONTRACTOR WILL OBTAIN THE SERVICES OF ONE OF THE FOLLOWING APPROVED APPLICATORS WHO WILL FURNISH AND INSTALL THE NEW BRIDGE EXPANSION JOINT SYSTEM AFTER ALL PAVING ON THE AFFECTED BRIDGE(S) HAS BEEN COMPLETED.		THE BACKER ROD SHALL BE A CLOSED CELL FOAM EXPANSION JOINT FILLER CAPABLE WITHSTANDING THE PLACEMENT TEMPERATURE OF THE POLYMER MODIFIED ASPHALT.	OF
		NOTE: PRIOR TO PLACEMENT OF ANY PORTION OFTHE JOINT SYSTEM,THE PROJECT ENGINEER MUST HAVE CERTIFIED TEST DATA MEETING ALL THE MINIMUM REQUIREMENT OF ALL THE MATERIALS OF THE JOINT SYSTEM.	S
THE APPROVED APPLICATORS ARE LISTED ON THE FOLLOWING WEB SITE:			
http://www.dot.state.oh.us/se/standard/english/revisions/ 07-19-02%20mailing/plnin		INSTALLATION PROCEDURES:	
		PSAWING AND SEALING PREPARATION	
THE APPROVED APPLICATORS LISTED ON THE WEBSITE SHALL BE IN EFFECT FOR THIS PROJECT FOURTEEN (14) CALENDAR DAYS PRIOR TO THE BID LETTING DATE.		AFTER ALL PAVING OPERATIONS ARE COMPLETED, THE OVERLAY IS TO BE TRANSVERSEL SAW CUT FULL DEPTH NO LESS THAN 2" DEEP (20" CENTERED OVER JOINT OPENING, UNLESS OTHERWISE NOTED). REMOVE ALL MATERIAL, INCLUDING WATERPROOFING MATE- RIAL, BETWEEN SAW CUTS. THROUGHLY CLEAN AND DRY EXPOSED CONCRETE, STEEL,	.Y
MATERIALS:		AND CUT SURFACES USING COMPRESSED AIR AND A HOT COMPRESSED AIR (HCA) LANCE.	
BRIDGING PLATE: MILD STEEL 1/8" OR 1/4" THICK PLATE, 8" WIDE OR 18 GAUGE ALUMINUM, 8" WIDE.		DEGREES F.AT A VELOCITY OF 3000 FEET PER SECOND WITH 15 PSIG CHAMBER PRES- SURE. IF THERE IS AN INTERRUPTION DUE TO WEATHER OR OTHER CAUSES, THE OPER ATION WILL BE REPEATED WITH THE HCA LANCE IMMEDIATELY REFORE THE BINDER CO	- мт
BINDER:		OPERATION. ALSO, 6 INCHES OF THE ROAD SURFACE ON EITHER SIDE OF THE JOINT	
TYPE: Softening point.	POLYMER MODIFIED ASPHALT	WILL BE DRIED SO THAT A SUITABLE SURFACE FOR BITUMEN ADHESION IS OBTAINED.	
FLOW:	3 mm. MAX. AT 14Ø DEGREES F.		
PENETRATION:	9 mm. MAX.AT 77 DEGREES F.	SEALING OF EXPANSION JOINT:(PRESTRESSED BOX OR CONCRETE SLAB)	
	ASTM D 3407	THE EXPANSION JOINT CAP IS TO BE SEALED AND A BRIDGING PLATE CENTERED ALON	3
DUCTILITY:	40 cm. MIN. ASTM D 113	IT. A VERY NARROW GAP WILL BE SEALED BY POURING HOT BINDER INTO THE GAP. GAPS OF ¼" OR MORE WILL FIRST BE FILLED WITH AN APPROPRIATE SIZED BACKER RO	D.
TENSILE ADHESION:	700% MIN.	THE BACKER ROD WILL BE INSTALLED SO THAT IT IS BETWEEN 1/8" AND 1-1/8" BELOW	
SPECIFIC GRAVITY:	1.10 * 0.05	THE TOP OF THE EXISTING GAP. THE GAP WILL THEN BE FILLED WITH BINDER.	
FOURING TEMP:	JUE - JUEUREES F.	BOND BREAKER:	
AGGREGATE:		SPREAD BINDER OF SURFACE AREA WHERE THE METAL BRIDGING PLATE WILL BE PLACE	ED.
TYPE:	CRUSHED, DOUBLE WASHED AND DRIED GRANITE OR BASALT	BUTT JOINT THE BRIDING PLATES TO ACCOMODATE THE ENTIRE JOINT LENGTH. SPIKE HOLES WILL BE DRILED AT 1 FOOT INTERVALS ALONG THE LONGITUDAL CENTERING	
GRADATION	THE GRADUATION OF THE AGGREGATE VARIES BY MANUFACTURER AND WILL BE AS PER THE MANUFACTURER'S RECOMMENDATIONS FOR THE SYSTEM BEING USED ON THIS PROJECT	THE PLATES. SECURE BRIDGING PLATE WITH NAILS OR SPIKES. SEAL BUTT JOINTS WITH HOT BINDER AND ALLOW BINDER TO SET UP BEFORE THE NEXT OPERATION. WHEN ALUMINUM BRIDGING PLATES ARE USED, ONLY THE BINDER IS REQUIRED TO SECURE IN- DIVIDUAL PLATES.	

LOGAN COUNTY LOG-117-0.00

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GENERAL NOTES AND DETAILS FOR POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM

