FHWA REGION	STATE	PROJECT	
5	OHIO		

9/19

LAKE COUNTY
LAK-86-1.95

PLAN NO. BR-73-85

4. SEALING JOINTS: HOT POURED SEALANT MATERIAL SHALL BE HEATED IN A KETTLE OR MELTER CONSTRUCTED AS A DOUBLE BOILER, WITH THE SPACE BETWEEN THE INNER AND OUTER SHELLS FILLED WITH OIL OR OTHER HEAT TRANSFER MEDIUM. POSITIVE TEMPERATURE CONTROL AND MECHANICAL AGITATION SHALL BE PROVIDED. HEATING MUST BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

AFTER CLEANING, THE JOINTS SHALL BE IMMEDIATELY SEALED WITH THE HOT POURED SEALANT APPLIED THROUGH A NOZZLE WHICH MUST PROJECT INTO THE SAWED JOINT FILLING FROM THE BOTTOM UP. THE SEAL SHALL COMPLETELY FILL THE JOINT SUCH THAT AFTER COOLING, THE LEVEL OF THE SEALER WILL NOT BE GREATER THAN 1/8" BELOW THE PAVEMENT SURFACE. ANY DEPRESSION IN THE SEAL GREATER THAN 3/16" SHALL BE BROUGHT UP TO THE SPECIFIED LIMIT BY FURTHER ADDITION OF HOT-POURED SEALANT. CARE SHALL BE TAKEN IN THE SEALING OF THE JOINTS SO THAT THE FINAL APPEARANCE WILL PRESENT A NEAT FINE LINE.

THE JOINT SEALER MATERIAL SHALL NEVER BE HEATED AT THE POURING TEMPERATURE FOR MORE THAN FOUR (4) HOURS AND SHALL NEVER BE REHEATED. SEALER LEFT IN THE APPLICATOR AT THE END OF A DAY'S WORK SHALL BE REMOVED AND DISCARDED. THE COLD APPLIED SEALANT MATERIALS (NITRILE RUBBER OR SILICONE) SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS, WHICH MAY REQUIRE A LIGHT SANDBLASTING OF THE JOINT SURFACES OR THE USE OF A PRIMER. THE SEALANT SHALL BE INSTALLED WHEN THE AMBIENT TEMPERATURE IS 40° F OR HIGHER. TRAFFIC SHALL NOT BE ALLOWED ON THE JOINT FOR ONE HOUR AFTER APPLICATION OF THE SEALANT.

D. METHOD OF MEASUREMENT: THE QUANTITY TO BE PAID FOR UNDER THIS ITEM WILL BE THE NUMBER OF LINEAR FEET OF JOINTS SAWED AND SEALED AS PER THE ABOVE REQUIREMENTS.

E. BASIS OF PAYMENT: THE UNIT PER LINEAR FOOT FOR ITEM SPECIAL - "SAWING AND SEALING BITUMINOUS CONCRETE JOINTS" SHALL INCLUDE THE COST OF ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK, INCLUDING THE FURNISHING AND PLACING OF THE JOINT SEALER MATERIAL.

ITEM SPECIAL - STEEL DRIP STRIP

AFTER THE CONCRETE SURFACES HAVE BEEN SEALED, AND PRIOR TO APPLYING TYPE D WATERPROOFING, A BENT DRIP SHALL BE INSTALLED ALONG THE EDGES OF THE DECK AS SHOWN. THE STRIPS SHALL BE FASTENED AT 0'- 9" C/C MAXIMUM WITH NO. 10 GALVANIZED SCREWS AND EXPANSION ANCHORS, SUBJECT TO THE APPROVAL OF THE ENGINEER. THE STRIPS SHALL BE PLACED THE FULL LENGTH OF THE DECK, ENDING AT THE FACE OF THE ABUTMENT WINGWALL. WHERE SPLICES ARE REQUIRED A 3-IN. (MIN) LAP SHALL BE USED WITH A FASTENER THROUGH THE LAP. STEEL FOR GALVANIZED STRIPS SHALL BE 8"x 0.105" AND SHALL MEET THE REQUIREMENTS OF ASTM A568. GALVANIZING SHALL BE IN ACCORDANCE WITH 711.02. STAINLESS STEEL SHALL BE 20 GAUGE ASTM A167, TYPE 304, MILL FINISH. PAYMENT SHALL BE AT THE CONTRACT PRICE BID FOR ITEM SPECIAL - SQ. FT. - STEEL DRIP STRIP, WHICH SHALL INCLUDE ALL MATERIALS, LABOR, AND INCIDENTALS NECESSARY TO COMPLETE ITEM.

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DISTRICT 12 BRIDGE DEPARTMENT

5/11

STRUCTURE NOTES
BRIDGE LAK-86-0195
OVER KELLOGG CREEK

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
EJA	SDG	SDG	DWL	GWM	8/13/85	