

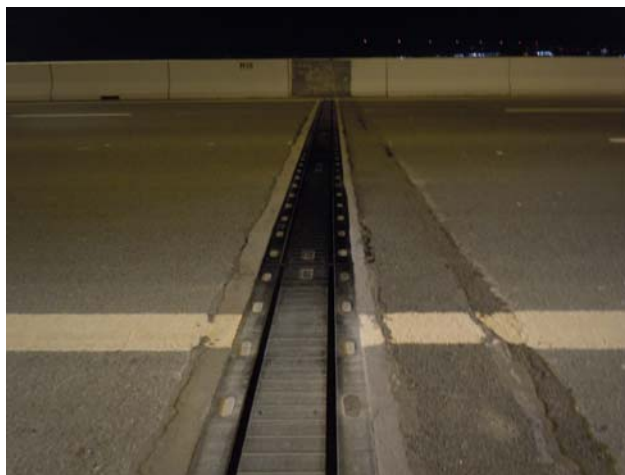


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Method Statement of Work - Asphalt/Concrete Expansion Joint Sealing on Bridges **With Hot Applied Rubberized Sealant**

Selection of joints to be addressed for sealing:

- Min. 80 PCI on surrounding pavement
- Thermal joints
- Longitudinal joints and cracks
- Joints with failed material

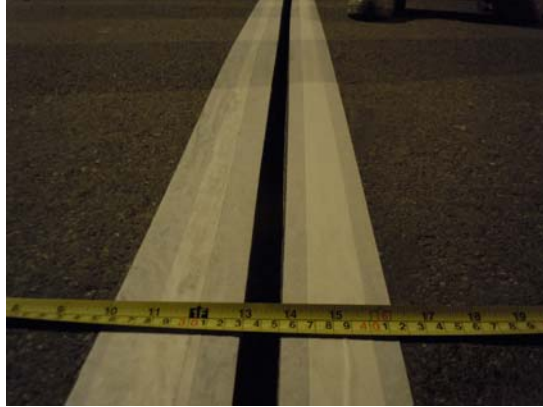


Work Procedure:

Item 1 – CREATION OF THE JOINT / RESERVOIR BY HEAVY DUTY CUTTER

Creating a reservoir on the existing failed material or joint on designated locations with below configuration through dry cut:

- 1- 9 mm width and 50 mm depth (Between Transition Strips)
- 2- 20 mm width and 50 mm depth (At total length of the Longitudinal joint)



Note: The nominal width and depth of the joint may vary due to different condition at any specific project.





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Item 2 – CLEANING OF THE JOINT IN TWO STEPS

STEP 1-

Cleaning of the surface and surrounding pavement of the routed joint out of any debris by WIND BLOWER.



STEP 2-

Cleaning inside of joint with Hot Air Lance (HAL) connected to air compressor out of any loose material or debris before sealant application, in case of moisture or cold weather, with simultaneous heating, using gas cylinder.



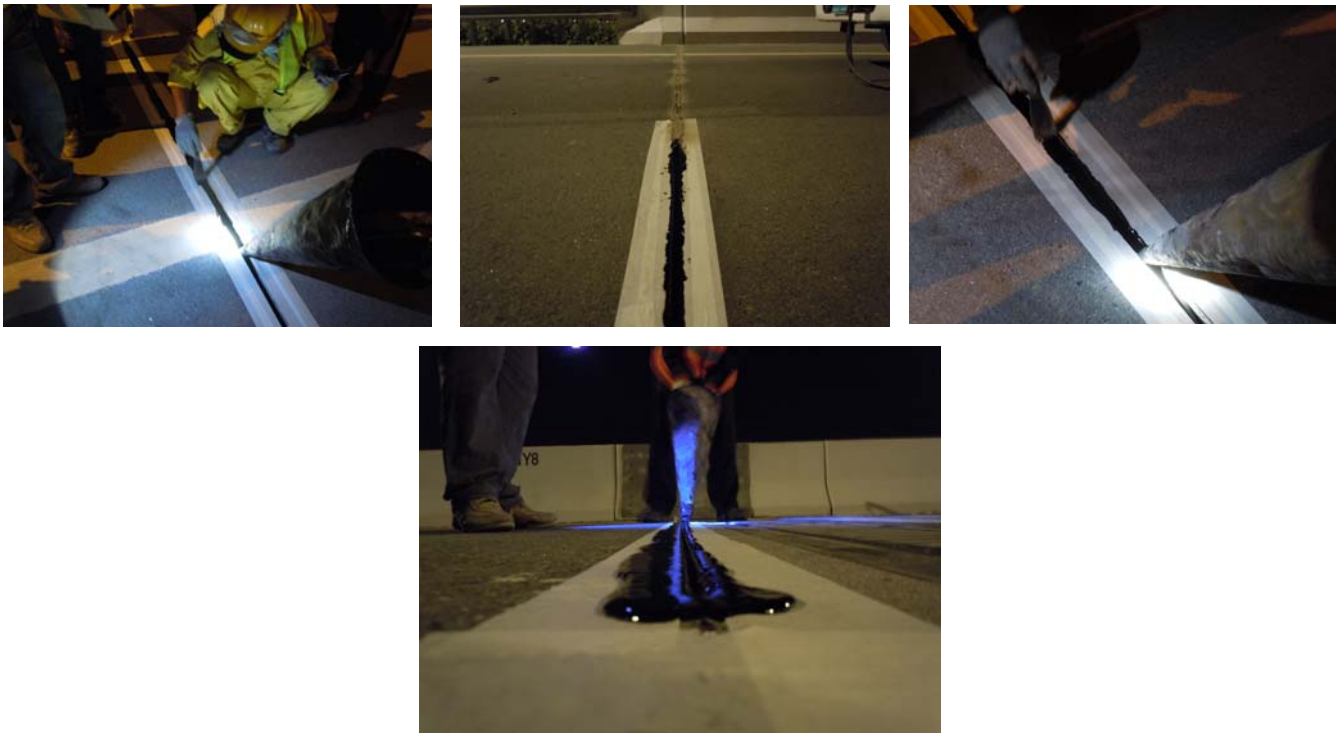
Item 3 – MASTIC TAPE

To avoid spillage of sealant on two sides of the joint, mastic tape needs to be placed before application:



Item 4 – APPLICATION OF HOT APPLIED RUBBERIZED SEALANT WITH OIL JACKETED KETTLE & CONES

Supply & apply of the hot applied rubberized sealant (per attached specification) at application temperature based on material specification and recommended manufacturer temperature into the routed crack/joint with the specialized Kettle & Cones unit Marathon UCMK245 DT. The material heating will be done through thermal oil. Kettle is equipped with oil jacketed tank for indirect heating of sealant as well as hydraulic system for constant agitation. The material will be mixed all the time with kettle's mechanical agitator.





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Item 5 – SPREADING CEMENT ON TOP OF THE APPLIED SEALANT

If needed, manual cement application on top of the sealed joint helps faster curing time and traffic opening when lane closure is critical.



PERFOREMD JOBS

