

808-T-190 PAVEMENT CORRUGATIONS

(Revised 07-19-18)

The Standard Specifications are revised as follows:

SECTION 606, BEGIN LINE 1, DELETE AND INSERT AS FOLLOWS:

SECTION 606 – PAVEMENT CORRUGATIONS**606.01 Description****~~(a) All Corrugations~~**

This work shall consist of placing corrugations in the pavement in accordance with 105.03. Corrugations shall not be constructed within the limits of reinforced concrete bridge approaches or on bridge decks.

The operation shall be coordinated such that milled materials do not encroach on the pavement lanes carrying traffic and all milled materials are disposed of in accordance with 104.07. *When corrugations are installed, milled materials shall be swept and vacuumed following the milling operation.*

The corrugations shall be constructed by cutting smooth strips in existing or newly constructed pavement. The operation shall be conducted by means of a cutting machine that provides a series of smooth cuts without tearing or snagging. The equipment shall include guides to maintain uniformity and consistency in the alignment of the strips.

Longitudinal rumble stripes are the combination of either the center line pavement marking placed in the center line corrugation or the edge line pavement marking placed in the edge line corrugation. They shall be installed as shown on the plans and as specified herein.

Longitudinal rumble strips are corrugations placed in the shoulder near the travel lane. They shall be installed as shown on the plans and as specified herein.

~~(b) Blank~~

When corrugations are installed, control points are required as a guide for milling corrugations and shall be spotted with paint for the full length of the road to be milled. Control points along tangent sections shall be spaced at a maximum interval of 100 ft. Control points along curve sections shall be spaced to ensure the accurate location of the milled corrugations. The location of control points shall be as approved prior to the milling operations.

If snowplowable raised pavement markers exist where center line corrugations are being placed into the existing surface, the prismatic reflectors in these markers shall be temporarily covered and corrugations gapped a maximum of 5 ft and not within 6 in. of the markers.

Milled HMA corrugations shall be the type designated in the contract documents, Conventional or Sinusoidal. Milled PCCP corrugations shall be Conventional.

Milled PCCP Corrugations, *Conventional*..... LFT

The cost of temporarily covering existing prismatic reflectors in rumble strip retrofit sections shall be included in the cost of the pay items.

Milling, sweeping, vacuum cleaning, operation protection and maintenance of traffic associated with these pay items, and all necessary incidentals shall be included in the cost of the pay items.

Where corrugations are placed in an existing HMA surface, liquid asphalt sealant shall be included in the cost of the pay items.

SECTION 808, BEGIN LINE 52, INSERT AS FOLLOWS:

808.04 Longitudinal Markings and Milled Corrugations

SECTION 808, AFTER LINE 92, INSERT AS FOLLOWS:

The center line shall be placed within the milled corrugation when center line rumble stripes are specified. Placement of the center line marking in the milled corrugation does not alter the pavement marking performance requirements of 808.07.

SECTION 808, AFTER LINE 108, INSERT AS FOLLOWS:

The edge line shall be placed in the milled corrugation when edge line rumble stripes are specified. Placement of the edge line marking in the milled corrugation does not alter the pavement marking performance requirements of 808.07.

(d) Barrier Lines

Barrier lines shall be used as specified or directed. Barrier line markings shall be solid lines of the size and color specified or as directed.

(e) Markings in Retrofitted Corrugations

In sections where corrugations are being placed in the existing surface, all existing pavement markings shall be removed in accordance with 808.10 and any existing sealants shall be routed or grinded out. Temporary pavement markings placed in accordance with 801.12 shall be offset a sufficient distance from the longitudinal joint so as to not obstruct the installation of the corrugations or the application of the liquid asphalt sealant.

The Contractor shall make a record of the existing pavement marking locations so that such markings may be replicated later with the appropriate adjustments for edge line rumble stripes. This record shall show longitudinal and transverse dimensions. The record shall be submitted to and approved by the District Traffic Engineer prior to the removal of existing pavement markings. The District Traffic Section shall be notified two weeks prior to applying pavement markings so as to allow the District Traffic Section to verify the pavement marking plan.