

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
REMOVAL OF THIN EPOXY POLYMER BRIDGE DECK OVERLAY

STM:JD

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APPR:JAB:DMG:04-09-20
FHWA:APPR:04-13-20

a. Description. This work consists of removing and properly disposing of thin epoxy polymer overlays on bridge decks in accordance with the standard specifications and this special provision at locations shown on the plans.

b. Materials. None specified.

c. Construction. Remove the existing epoxy overlay with a fine tooth mill.

1. Provide fine tooth milling equipment, that meets the minimum requirements below, and consistently mills the surface in one or more passes to the required grade or cross section providing the required uniform textured surface. Do not impair surface drainage or create any areas that allow water to pond. Provide vacuum equipment to extract milled material and excess water from the bridge deck and pavement. Prevent dust from escaping into the air during the vacuuming operation.

Provide milling machines equipped with the following:

- A. Automatically controlled and activated cutting drums,
- B. Grade reference and transverse slope control capabilities, and
- C. Minimum 3 foot wide cutting drums with teeth spacing at a maximum 5/16 inch.

2. Minimize damage to the underlying concrete substrate from the milling operation. Remove the epoxy overlay as close as possible to the barrier wall, drain structures and bridge joints to avoid damage. Hand chip with a maximum 30 pound chipping hammer, hand grinder, scabber, shot blaster, scarifier or other method approved by the Engineer to remove the epoxy overlay material from around the above mentioned features.

3. If a new thin epoxy polymer overlay is to be installed, perform all work in accordance with 20SP-712B, Thin Epoxy Polymer Bridge Deck Overlay as appropriate. This includes shot blasting immediately prior to application.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
Epoxy Ovly, Rem.....	Square Yard

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20SP-712D-01

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Epoxy Ovly, Rem will be measured and paid for based on actual deck surface area where the removal occurred.