

**Maurer Structural Protection
Systems Canada Ltd.**

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To:

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Ministry of Transport and Infrastructure
1500 Woolridge Street
Coquitlam, BC
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MAURER Modular Bridging System MMBS – recommended anchor bolt length

To whom it may concern

Following anchoring systems are recommended in the MMBS Installation Manual:

- 1) Asphalt: TOGE Asphalt Anchor Bolts TSM A 22 x 155 (or equivalent)
- 2) Concrete: HILTI Concrete Anchor Bolt HAD-T M16 x 190/40 (or equivalent)

During design reviews and various technical discussions, it was remarked that the available concrete or asphalt thickness at existing bridge structures is not enough to allow for the recommended anchor bolt lengths. Therefore, MAURER empirically investigated the minimum required anchor depth for the MMBS as designed for the Ministry. Following minimum anchoring depths and dimensions can be used:

- 1) Asphalt: minimum length 100mm, minimum diameter 16mm
- 2) Concrete: minimum length 100mm, minimum diameter 16mm

The available deck thickness shall govern the anchor bolt length used in each case, so that the recommended anchor types as per manual would be used whenever possible.

Sincerely,



Holger Redecker, Dipl. Ing.
Site Manager, MAURER SE Lünen