

From Mark Geib, Engineer of Operations Field Services Division

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## **USE OF PERMANENT METAL DECK FORMS- FHWA SUSPENSION AND DEBARMENT CASE ACTION**

This Bridge Field Services advisory serves to notify MDOT Construction Offices, Project Engineers, and Maintenance Supervisors that the FHWA has suspended and proposed debarment of Clear Span Construction Products, LLC. This pertains to the use of permanent metal deck forms, designed and supplied by Clear Span Construction Products, LLC, as forms for concrete bridge deck pours. Any shop drawings for permanent metal deck forms from Clear Span Construction Products, LLC, or Michael Gerard Williams should be rejected and the forms should not be incorporated into the project. In addition, maintenance crews should not procure or permit use of these forms on bridge maintenance projects.

Permanent metal deck forms are used to provide structural support to plastic concrete during deck pours. Once bridge deck concrete has cured, the forms provide negligible structural capacity and are not accounted for in design or analysis of the in-service structure. Therefore, any past use of forms from Clear Span Construction Products, LLC, does not require any further action at this time.

This advisory also serves as a reminder that all permanent metal deck form shop drawings must be reviewed and stamped approved for use as described in the Bridge Field Services Advisory 2013-02. During construction, it is important to ensure the following.

- Permanent metal deck form voids are filled or not filled with concrete based upon original design and as noted on the plans. When not noted, it is assumed the corrugations are to be filled with polystyrene.
- Deck depth has not been compromised (increased or decreased) as result of using forms.
- All forms, supports, and hardware are galvanized.
- Support angles do not protrude above proposed top of haunch (or top of the beam where there is no proposed haunch).
- Caulk or grout is applied along longitudinal seam between support angles and beam.
- Welding of form supports to the top of steel girder flanges does not occur in tension areas. These areas will be noted on the design plans.
- Form supports are only welded on the top flanges after proper blast cleaning of the top flanges of steel beams, and primer is applied after form installation.