



NOTICE TO BIDDING CONTRACTORS

PROJECT:	RAMP BRIDGE PREVENTIVE MAINTENANCE
PURPOSE:	Notice to Bidding Contractors
DATE:	Nov 13, 2015

This memorandum is to inform Bidding Contractors of specific project requirements on the upcoming RAMP Bridge Preventative Maintenance Projects. **Contractors are highly advised to carefully read through the Project Plans and Specifications when developing bids for these projects**, as many requirements are more stringent than those enforced by CDOT on recent expansion joint and overlay projects.

In general, the major work items on the Year 1 FY2016 RAMP projects will consist of:

- Class 1, Class 2 and Class 3 Deck Removals and Repair
- Removing and Replacing Strip Seal Expansion Devices (both complete devices and glands)
- Removing and Replacing Elastomeric Compression Seals
- Placing Polyester Concrete Overlay on existing bare deck bridges
- Removal of existing asphalt overlays (including waterproofing membranes in some cases) and installing new waterproofing membrane and new asphalt overlays

Specific requirements unique to the RAMP projects include:

518 – Expansion Devices

- **Technical Representatives:** Manufacturer's Technical Representatives will be required on-site throughout the duration of expansion joint installation, unless agreed on by the Tech Representative, Contractor and Engineer.
- **Pre-bagged and High Early Strength Concrete:** Due to recent concrete end-dam failures on new expansion joint installations, pre-bagged or batched high early strength concrete will not be allowed for concrete end-dams, unless explicitly allowed in specific project Contract Documents.
- **509 - Temporary Bridge Deck:** Unless explicitly allowed in project Contract Documents, Temporary bridge decks will be required at all high ADT strip seal expansion device locations which require concrete end dams. This is to allow adequate cure time for end dam concrete under traffic.

519 – Polyester Concrete Overlay

- **Paving Machines:** Self-propelled slip form paving machines specifically built for polyester concrete overlays will be required for contracts with greater than 2000 > CF of polyester concrete material.
- **Technical Representatives:** Manufacturer's Technical Representatives will be required on-site for a minimum of 2 bridge overlay placements or more per contract, depending on the Contractor's experience with polyester concrete.
- **Surface Preparation:** Concrete planning for tapered transitions will be required at approach slabs and/or ends of decks, (Diamond profile grinder may be required). Smoothness spec shall be followed. Shot-blasting will be required on both decks and approach slabs.