**FLAShING DETAIL FOR NEW BRIDGES WITH OPEN RAILING**

The Detailing Instructions state:

- **Detail A**: Caulk entire length.
- **Flashing detail**:
  - **Flashing stainless steel**
  - **Concrete screws**: Spaced at 1'-0" each row, staggered rows.
- **Concrete surface repair**
- **Rehabilitation flashing detail 1**:
  - Flashing stainless steel
  - **Concrete screws**: Spaced at 2'-0" each row.
  - **Concrete surface repair**
- **Rehabilitation flashing detail 2**:
  - Flashing stainless steel
  - **Concrete screws**: Spaced at 1'-0" each row, staggered rows.

**Designer Notes**

- **Edge of deck flashing** is for open rail bridges and may be used for rehabilitation or new construction. Contact the Region Bridge Maintenance Engineer for the decision on whether to use the flashing on new bridges.
- **Detail 1 or Detail 2, or a combination of the two**, may be used for rehabilitation.
- The designer includes small blocks of concrete surface repair details as needed; conceptual details are shown on this standard.
- **Do not use flashing if freeboard is less than 3" for a slab bridge.**

**Notes**

- **Open type flashing stainless steel** shall include:
  - Providing and installing the stainless steel flashing, silicone caulk, and #8 concrete screws.
  - **Flashing to be installed after protective surface treatment application.**
  - **Concrete screws** shall be 4D stainless steel.
  - **Caulking** to be a non-staining, gray non-bituminous joint sealant, smooth on the thinnest slab depth over the bridge length.
  - Provide "flashing detail 1" or "flashing detail 2" or a combination of the two, on whether or not to use the flashing on new bridges.
  - **Detail 1 or detail 2, or a combination of the two**, may be used for rehabilitation.
  - **Edge of deck flashing** is for open rail bridges and may be used for rehabilitation or new construction. Contact the Region Bridge Maintenance Engineer for the decision on whether to use the flashing on new bridges.

**Restoration details:****

- **Concrete screws**: Spaced at 1'-0" each row, staggered rows.
- **Concrete surface repair**
- **Rehabilitation flashing detail 1**
  - Flashing stainless steel
  - **Concrete screws**: Spaced at 2'-0" each row.
  - **Concrete surface repair**
- **Rehabilitation flashing detail 2**
  - Flashing stainless steel
  - **Concrete screws**: Spaced at 1'-0" each row, staggered rows.

**Concrete screws**: Spaced at 1'-0" each row, staggered rows.

**Surface repair**

- **Concrete surface repair**
- **Rehabilitation flashing detail 1**
  - Flashing stainless steel
  - **Concrete screws**: Spaced at 2'-0" each row.
  - **Concrete surface repair**
- **Rehabilitation flashing detail 2**
  - Flashing stainless steel
  - **Concrete screws**: Spaced at 1'-0" each row, staggered rows.