**Intermediate Wall Joint Detail**

Provided at all interior bents without slab expansion joints.

- **Concrete Panel Length**
  - Same as slab
- **Concrete Panel Length**
  - Same as slab

**Elevation Showing Typical Reinforcing Placement**

- **Concrete Rail Footprint**
  - Top of Abut Wingwall
- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

**Plan of Rail at Expansion Joints**

- **Abut Wingwall**
  - Same as Slab
- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.

**Section**

- **Terminal Connection Details**
  - Terminal Connection Bolts in a well-distributed pattern so as to prevent damage or distortion of the Steel Beam Connection and the RSF Transition. Cut bolts off after installation so as to extend no more than 3" beyond rail. Paint ends of cut-off bolts with Zinc-rich paint.

- **Concrete Rail Expansion Joint**
  - Cross-hatched area must have "P" Preferred Bituminous Fiber Material under concrete rail, as shown.

**Roadway Elevation of Rail**

- **Intermediate Wall Joint (See Detail)**
  - Form to here.
- **Construction Joint or Controlled Joint**
  - Tool V groove

**Intermediate Wall Joint (See Detail)**

- Provide at all interior bents without slab expansion joints.

**Reinforcing Steel**

- **Bars S #4**
  - 1'-8" at taper
  - 1" cover to maintain reinforcing
  - Field bend as necessary

**Concrete Rail Footprint**

- **Outside Edge of Slab or Abut Wingwall**
  - Top of Abut Wingwall
  - (Typ) 3'-6" vertical taper

**Slab Expansion Joint**

- **Concrete Panel Length**
  - Same as slab
- **Concrete Panel Length**
  - Same as slab

**Abstract Footprint**

- **Traffic Side of Rail**
  - Example showing side expansion joints without crosshatches.

**Intermediate Wall Joint**

- **Concrete Rail Footprint**
  - Top of Abut Wingwall
  - (Typ) 3'-8" at 3'-6" vertical taper

**Concrete Rail Expansion Joint**

- **Concrete Panel Length**
  - Same as slab
- **Concrete Panel Length**
  - Same as slab

**Plan of Rail at Expansion Joints**

- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

**Traffic Rail**

- **TYPE T551**
  - Terminal Connectors and associated hardware are to be paid for under the Item "Metal Beam Guard Fence Terminal Connectors and associated hardware".

- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.

- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.

- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.

**Plan of Rail at Expansion Joints**

- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.

**Concrete Rail Expansion Joint**

- **Concrete Panel Length**
  - Same as slab
- **Concrete Panel Length**
  - Same as slab

**Plan of Rail at Expansion Joints**

- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.

- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.

**Concrete Rail Expansion Joint**

- **Concrete Panel Length**
  - Same as slab
- **Concrete Panel Length**
  - Same as slab

**Plan of Rail at Expansion Joints**

- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.

- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.

**Concrete Rail Expansion Joint**

- **Concrete Panel Length**
  - Same as slab
- **Concrete Panel Length**
  - Same as slab

**Plan of Rail at Expansion Joints**

- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.

- **Concrete Rail Expansion Joint**
  - Location of Rail Expansion Joint must be at the intersection of a Slab Expansion Joint.

- **Concrete Rail Footprint**
  - Perpendicular to slab outside edge.