DESIGN SPECIFICATIONS:

TRAFFIC RAILINGS OR PARAPETS:
If there is a Traffic Railing or Parapet on the wall, align Wall Joints with V-Grooves, and Wall Expansion Joints with Barrier Open Joints.

FOUNDATION: Prepare the soil below the footing in accordance with the requirements for spread footings in Specification Section 455.

PAYMENT:
All Retaining Wall costs, including all miscellaneous costs, shall be paid for at the unit contract price for either Class II, III or IV Concrete (Retaining Walls) (CY) and Reinforcing Steel (Retaining Walls) (lbs.). Retaining Wall quantities shall not include concrete nor reinforcing steel for Traffic Railing, Parapet or Junction Slab.

NOTE:
Shear Key is required only when specified in the Plans.

REINFORCING STEEL BENDING DIAGRAMS

TYPICAL SECTION
**Wall Joint Spacing**

Wall joint spacing 25 ft. maximum and 5' minimum. At minimum, every fourth wall joint to be an expansion joint. See Plans for actual wall joint spacing and expansion joint location.

### Wall Joint Spacing

- See Plans for actual wall joint spacing and expansion joint location.

### Traffic Railing/Junction Slab Detail

- **(32" F-Shape Shown, other Traffic Railings similar)**
  - For 32" F-Shape Traffic Railing (as shown), see Index No. 420; for 32" Vertical Shape Traffic Railing, see Index No. 421; for 42" Vertical Shape Traffic Railing, see Index No. 422.

### Typical Backfill Detail

- Inside ends of weep holes shall be covered with 1.5 square foot of galvanized mesh with 3/8" openings

### Typical Corner Joint Detail

- Key to stop at top of footing and 6" from top of wall. Joint across footing and top of wall to be a straight line.

### V-Groove Detail

- **V-Groove across top and down front face of wall at joint (Typ.)**
  - Extend V-Groove down back of wall to 6" max. below ground. (see 'V-Groove Detail')

### Section A-A

- WALL JOINT DETAIL
  - Slope backfill layers transversely and longitudinally as necessary to drain and prevent ponding during backfilling.
  - See Roadway Plans for drainage requirement
  - Drain shall be continuous 1.5' x 1.5' clean, broken stone or gravel, graded and placed to allow free drainage. Place Type D-3 (of Index No. 199) geotextile fabric, around the perimeter to prevent fill from washing out.

### Front Elevation

- **Stem Offset**
  - Vertical Line  1/2 Stem Offset (in.) = H(ft)/16
  - Stem as constructed

### Section A-A

- EXPANSION JOINT DETAIL
  - *Key to stop at top of footing and 6" from top of wall. Joint across footing and top of wall to be a straight line.

### Stem Offset Values

- (for H < 20 Ft.)

### Wall Joint Spacing

- **Wall joint spacing 25 ft. maximum and 5' minimum. At minimum, every fourth wall joint to be an expansion joint. See Plans for actual wall joint spacing and expansion joint location.**

### FDOT 2014 DESIGN STANDARDS

**C-I-P CANTILEVER RETAINING WALL**

**INDEX NO. 6010**

**SHEET NO. 2 of 2**

**WEIGHT LOADS**

- Top of Coping
- Top of CIP Wall
- Top of Footing
- Top of Coping

**TRAFFIC RAILING/JUNCTION SLAB DETAIL**

- **(32" F-Shape Shown, other Traffic Railings similar)**
  - For 32" F-Shape Traffic Railing (as shown), see Index No. 420; for 32" Vertical Shape Traffic Railing, see Index No. 421; for 42" Vertical Shape Traffic Railing, see Index No. 422.

**TOP OF FOOTING**

- Optional Shear Key
  - (paired with Bars G1)

**EXPANSION JOINT DETAIL**

- Attach Type D-5 (of Index No. 199) Geotextile fabric, 1'-0" wide and full height of fill, to the back of wall with an adhesive approved by the Engineer.

**V-GROOVE DETAIL**

- **V-Groove across top and down front face of wall at joint (Typ.)**
  - Extend V-Groove down back of wall to 6" max. below ground. (see 'V-Groove Detail')

**TYPICAL CORNER JOINT DETAIL**

- **Key to stop at top of footing and 6" from top of wall. Joint across footing and top of wall to be a straight line.**