NOTES:
1. Form contraction joints in the corewall at 20° intervals.
2. The depth of foundation fill may be less than 6" as directed by the CD, when the foundation is on either rock fill or solid rock.
3. Set galvanized metal slots with anchors for the stone work on 2° spacing. Use 16 gage galvanized 1" x 5 ½" metal anchors. Equivalent attachment systems are allowed with the approval of the CD.
4. Kerf (sawcut) the capstones placed on top of the barrier to allow for their placement over the steel angle.
5. Construct masonry faces according to Subsection 620.01(d).
6. Flare guardwall ends outside the clear zone according to the Roadside Design Guide.
7. Install metal anchor according to Subsection 620.08(h).
8. Add scuppers for roadway drainage as directed by the CD.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN REGULAR LANDS HIGHWAY DIVISION
U.S. CUSTOMARY DETAIL
TL-2 STONE MASONRY GUARDWALL (DOUBLE FACE)
Sheet 1 of 2
DETAIL A

TYPICAL GUARDWALL CROSS SECTION (DOUBLE FACE)
NOTES:
1. Angles are used to provide lateral shear resistance for the stone masonry placed on top of the inner core wall.
2. Spacing between all angles is approximately \( \frac{1}{4} \)".

**STEEL ANGLE**

**ANGLE IRON DETAIL**

**TOP REINFORCEMENT DETAIL**

Alternate Z-clips on 2" centers
Attach with 1/4" Ø x 2 1/2" long heavy-duty stainless steel masonry anchors

Concrete corewall
Steel angle

Center wedge-bolt anchor in corewall

Metal anchor slot

Wedge 1" x 5 1/2° 1/8" gauge metal anchors on 2" centers under angle iron

3" clear (min.)

**METAL ANCHOR DETAIL**

1" x 5 1/2° metal anchor

Concrete corewall

Metal anchor slot

Stone masonry facing

See Subsection 620.08(h) for metal anchor installation details

ASTM A304 STAINLESS STEEL Z-CLIP

**SECTION A-A**

L.S. x 3 x 1/2 - ASTM A36
Galvanize after fabrication