



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

November 5, 2008

Ms. Ann Mensik
Tricon Precast, Ltd.
15055 Henry Road
Houston, TX 77060

Subject: Approval of Tricon's Retained Soil Wall System

Dear Ms. Mensik

The Geotechnical Engineering Unit (GEU) has fully approved Tricon's Retained Soil Wall System for use on North Carolina Department of Transportation (NCDOT) projects in accordance with the "NCDOT Policy for Mechanically Stabilized Earth Retaining Walls". This policy may be obtained from:

<http://www.ncdot.org/doh/preconstruct/highway/geotech/msewalls/>

Tricon's Retained Soil Wall System was previously conditionally approved. While the Tricon system has not met the requirements for full approval in accordance with the NCDOT MSE Retaining Wall Policy, a Highway Innovative Technology Evaluation Center (HITEC) report for Tricon's Retained Soil Wall System has been submitted and this approval is based on NCDOT's experience with the system on a project let before implementation of the NCDOT MSE Retaining Wall Policy in December, 2007.

The following materials are defined as miscellaneous components in accordance with NCDOT's Standard Mechanically Stabilized Earth Retaining Walls Special Provision.

- Rubber Bearing Pads meeting the requirements of the "Guide Specifications for MSE Walls with Segmental Precast Concrete Facings" in the *FHWA Mechanically Stabilized Earth Walls and Reinforced Soil Slopes Design & Construction Guidelines* (Publication No. FHWA-NHI-00-043)
- Dowels for coping
- Panel Anchors
- Locking Bars or Rods
- Filter Fabric

MAILING ADDRESS:
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ENTRANCE B-2
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

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Miscellaneous components provided by Tricon Precast, Ltd. are required and approved for use.
The provision may be obtained from:
<http://www.ncdot.org/doh/preconstruct/highway/geotech/provnote/>

If you have any questions, I can be reached at (919) 250-4088.

Sincerely,



Njoroge W. Wainaina
State Geotechnical Engineer

cc: K. J. Kim, Ph.D., P.E., Eastern Regional Geotechnical Manager
John Pilipchuk, L.G., P.E., Western Regional Geotechnical Manager
Eric Williams, P.E., Geotechnical Design Supervisor
Greg Perfetti, P.E., State Bridge Design Engineer
Dave Henderson, P.E., State Hydraulics Engineer
Cecil Jones, P.E., State Materials Engineer
Teresa Bruton, P.E., Design-Build Project Engineer
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