NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PRODUCT EVALUATION PROGRAM

SOUND BARRIER WALL CHECKLIST

I. INSTRUCTIONS

1. Any person or company submitting a sound barrier wall to the NCDOT for possible inclusion on the NCDOT Approved Products List shall follow the instructions and requirements outlined below as well as send a completed Product Evaluation Program Application to productevaluation@ncdot.gov.

2. All questions regarding the evaluation process should be directed to productevaluation@ncdot.gov.

II. SUPPLEMENTAL INSTRUCTIONS

1. This checklist must be completed and accompany a completed PEP Application when submitting any sound barrier wall for possible inclusion on the NCDOT Approved Products List.

2. To complete this checklist, complete Section III below by clicking the check boxes to confirm that all required information is being provided.

III. SUPPLEMENTAL REQUIREMENTS

1. NCDOT requires sound barrier wall panels, piles, connections, and any miscellaneous items to be designed in accordance with the current edition of the *AASHTO LRFD Bridge Design Specifications* (Coastal condition). The analysis should correspond to North Carolina's highest wind velocity condition for the longest panel width and wall height that is intended to be used in the State.

2. Check the boxes below verifying the submittal includes analysis and design calculations in accordance with the AASHTO LRFD Specifications for the:
   - ☐ Sound barrier wall panels
   - ☐ Sound barrier wall piles/columns
   - ☐ Connections
   - ☐ Miscellaneous items

3. NCDOT requires sound walls to utilize foundation connection details similar to those shown on NCDOT's Sound Barrier Wall Standard drawings, which can be found here:
   https://connect.ncdot.gov/resources/Structures/Structure%20Specs/sbw1_12.pdf
   https://connect.ncdot.gov/resources/Structures/Structure%20Specs/sbw4_12.pdf

   ☐ Submittal includes details showing the pile/column connection to the foundation (check to verify).