

## Nashville Department of Transportation (NDOT) Requirements for Bridge and Structure Construction

### General Information and Requirements

- The Contractor and Owner / Developer are responsible for notifying NDOT and their representative(s) of construction progress and keeping all involved parties informed of the proposed schedule, schedule changes, and times when an inspection will be needed.
- The Contractor and/or Owner may, at any point in construction, contact NDOT or their representative to obtain guidance or instruction for special conditions which may arise in the field. NDOT preferences, guidelines, suggestions, or standards of practice may be given as guidance; however, inquiries of a technical nature will be deferred to the Engineer of record or product(s) manufacturer for prefabricated structures or structure components.
- The Contractor shall provide NDOT and/or their representative with the contact information for the construction project manager, or equivalent personnel, who will be able to answer specific questions about the structure construction means and methods and provide information regarding construction scheduling.

### Inspection Requirements

- Inspections are required by both the Owners Geotechnical Engineer and NDOT and/or their representative.
- An inspection by NDOT or their representative shall be performed to ensure proper construction methods are used and that the structure is in accordance with the design plans approved by NDOT. All construction will be inspected by and shall be in accordance with the TDOT Standard Specifications for Road and Bridge Construction (latest edition and revisions), the design plans, product manufacturer's recommendations, and all other applicable codes and standards.
- The Contractor shall notify NDOT or their representative prior to beginning any phase of construction and after each phase is complete, prior to beginning a new phase. Examples of points during construction when inspections will be needed include, but are not limited to:
  1. After Clearing and grubbing is complete and prior to the start of structure excavation.
  2. During the Geotechnical Engineer's inspection of the foundation bearing surface.
  3. After structure excavation is completed and the bearing surface has been properly prepared (if spread footings will be used).
  4. After structure excavation is complete and during the installation of piles, drilled shafts, or other substructure support system(s).

5. After installation of the substructure support system(s) as described above and prior to beginning construction for footings, bent columns, abutments, etc.
  6. During and/or after construction of formwork and tying of reinforcement for structure elements such as abutments, walls, footings, bent columns and caps, concrete decks, sidewalks, parapet walls, etc. but in all cases prior to pouring concrete.
  7. During and/or after the installation of under-drain systems and backfilling operations.
  8. During and/or after the installation of additional structure appurtenances and finishes such as texture coating, fencing, decorative lighting, etc.
  9. After proposed completion of the structure.
- There are many different types and sizes of structures which all have varying levels of complexity. NDOT inspector or their representative will communicate with the Contractor in more detail in the field as to when special inspections for the specific structure will be required.

#### Documentation Requirements

- The Contractor and/or Developer shall provide NDOT and/or their representative with the following documentation:
  1. A written report from a Geotechnical Engineer stating:
    - a. An inspection of the structure foundation bearing surface(s) and proper subsurface exploration was completed to determine the proper bearing surface preparation methods.
    - b. The findings of said inspection(s).
    - c. Geotechnical Engineer's directions for foundation preparation to support the design loads.
    - d. An inspection of the foundation preparation as directed by the Geotechnical Engineer was completed and found to be in accordance with the Engineer's intent and sufficient to support the design loads.
  2. Product submittals and installation guides as provided by the manufacturer for all construction products and materials used in the construction of the structure.
  3. Test reports in accordance with ACI and TDOT standards for all concrete acceptance tests performed in the field and all laboratory test reports for the cylinder breaks.
  4. Any other documentation which NDOT and/or their representative request prior to, during, or after the construction of the structure.

This document is intended to provide guidance to contractors and site developers constructing structures which are intended to be accepted for ownership by the Metropolitan Government of Nashville and Davidson County and does not supersede any written or verbal communication and/or instructions given by agents of the NDOT Department.

Add - Contractors Company Name, Address, Phone and Email Information

Printed name and signature of contractor and foreman on the site with phone and email contact information

Contractors Company

Name: \_\_\_\_\_

Foreman on site printed name and signature: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number:

Email: \_\_\_\_\_

Owners Company

Name: \_\_\_\_\_

Owners printed name and signature: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number:

Email: \_\_\_\_\_