

DOMAIN 1: TESTING, MEASUREMENT AND INSPECTION (13.5%)

A. Underground Construction:

1. Inspect and utilize plans, specifications and construction methods for:
 - a. (e.g., pipe, backfill,

rights-of-way for:
(trenchless).

and services.

Performing tests for installation of sewer infrastructure:

Testing on sewer and water lines.

Testing for chlorine residual and bacteria.

Ensure accessibility.

Prevent entering confined spaces or dangerous areas.

Specifications and construction methods for:

Construction.

Approach construction.

(grading, sod, or seedbed preparation work).

e. pavement marking.

f. traffic signal and street light installations.

g. other traffic control.

h. erosion control.

2. Conduct inspections within rights-of-way for:

- a. driveways.

- i. unit conversions.
 - j. feet in inches vs. feet in tenths.
7. Compare the batch ticket information to the approved mix design.
 8. Apply the minimum requirements to the batch ticket information.

DOMAIN 3: PROJECT COMPLIANCE AND DOCUMENTATION (31.5%)

A. Compliance:

1. Interpret and ensure compliance with plans, specifications and construction methods for ADA compliance.
2. Demonstrate knowledge of codes and specifications.
3. Demonstrate compliance with contract documents regarding:
 - a. standards for construction.
 - b. regulatory agency permits.
 - c. measurement and payment.
 - d. quality assurance program for material sampling and testing.
4. Demonstrate knowledge of construction safety standards.
5. Perform post-construction