

## **Inspector Responsibility Checklist**

Detailed planning by the engineer and the contractor, followed by execution of the plan, is required for a successful new or rehabilitation installation. The inspector and safety engineer should perform the following activities to ensure a safe and successful construction process.

Note that some specifications described in the following content may not be the same as the specifications followed by your agency. Always check with your State agency's standards and specifications when using these guidelines.

### **Sections**

- **Review**
- **Inspect**
- **Check**
- **Determine**

### **Review**

- Geotechnical investigation**
- Emergency and contingency plans**
- Quality control and quality assurance requirements stated in the contract**
- Product installation requirements, per the contract documents and performance work statement (PWS)**
- Site investigation as part of the permit process**
- Existing pipes and utilities**
- Requirements or concessions requested by any utility companies with the owner and the contractor**
- Safety plan**

# Trenchless Technology – Construction and Inspection of Trenchless Projects

## AT-TC3CN040-16-T1-JA02

### Inspect

- Roadway and shoulder area for sags, cracks, pavement patches, dips in the guardrail, erosion of side slopes, and voids in the embankment and mark them
- Area for all existing utility facilities and sub-structures
- Planned locations for staging area and equipment to make sure there is sufficient space and that it is a safe work environment
- Culverts for signs of recent high water, roadway overtopping, debris piled, recent riprap placement around the inlet or outlet, other signs the culvert may be undersized or partially obstructed
- Construction of shaft/pits

### Check

- Survey grid line has been established over proposed alignment of tunnel
- Materials are handled and reviewed correctly, in accordance with:
  - Manufacturers' technical information and testing data
  - Manufacturers' shipping, storage, and handling recommendations
  - Safety data sheets (SDS)
- Correct amount of grout through the annular space
- Correct amount of fluid is being used
- Soil types are being considered

**Determine**

- Frequency of surface monitoring that will be required, and identify what would constitute additional monitoring and/or surveying**
- Limits of minimum clearance**
- Variations on requirements of depths in quality control and quality assurance plans**