

# New Jersey Turnpike Authority

P.O. Box 5042, Woodbridge, NJ 07095



*December 31, 2024*

## Document Change Announcement

***2007 Procedures Manual***

***Gas Pipelines Update***

***DCA2024PM-02***

**Subject: Revisions to**

**Section 8 Utility Installations, Relocations and Adjustments,**

**Subsection 8.2 Utility Orientation and Construction Policy**

### **Description of Change:**

This DCA prohibits gas pipelines of any design pressure from crossing over Authority roadways.

### **Notice to New Jersey Turnpike Authority Staff and Design Consultants**

Effective immediately, all contracts currently in the design phase shall incorporate the revisions herein.

For advertised contracts awaiting the opening of bids this revision shall be incorporated via addendum.

Contact your New Jersey Turnpike Authority Project Manager for instruction.

The revisions may be accessed on the Authority's webpage: <https://www.njta.com/doing-business/professional-services>

### **Recommended By:**

*(signature on original)*

---

Lamis T. Malak, P.E.  
Deputy Chief Engineer - Design

### **Approved By:**

*(signature on original)*

---

Daniel L. Hesslein, P.E.  
Chief Engineer

*Distribution: Senior Staff Engineering, Law, Maintenance & Operations Depts., All Prequalified Consultant Firms, File*

**NOTE: All text herein are REVISIONS, as indicated by the tracked changes, to the latest version of the Design Manual.**

## **Section 8 - UTILITY INSTALLATIONS, RELOCATIONS AND ADJUSTMENTS**

---

### **8.2. UTILITY ORIENTATION AND CONSTRUCTION POLICY**

---

#### **8.2.1. Utility Alignment**

Utility facilities, underground or overhead, within the Authority's right of way, other than those owned, operated or used by the Authority will not be allowed to be oriented parallel or diagonal to the Authority's right of way without the advance approval of the Authority's Engineering Department.

Right-angle utility crossings of the Authority's right of way will normally be considered by the Authority when the services offered by the utility cannot be provided by economically feasible alternate means.

In accordance with the provisions of the Authority's hurricane preparedness plan, consideration must be given to the elimination of aerial facilities crossing over Authority roadways and ramps to preserve the integrity of roadway operations. The Authority's first preference for relocation of existing aerial crossings is to relocate the utility underground. If that is not feasible, aerial crossings may be relocated within underdeck conduits on bridges carrying local roads over Authority roads with Authority approval. If neither underground or underdeck installation is feasible, aerial crossings shall be supported on structures consisting of steel construction located outside of the Authority's right of way. Aerial crossings of Authority roadways shall be located as far away from overhead structures (local roadway bridges, sign structures, etc.) as feasible to avoid potential conflict with future reconstruction. The use of non-steel supports for aerial crossings will be considered for approval by the Authority on a case by case basis. If and when it is necessary to reduce span lengths across excessively wide sections of roadway, the use of additional supports within the Authority's right of way will also be considered on a case by case basis. The utility owner shall be responsible for substantiating non-compliance with the above relocation preferences, to the Authority's satisfaction, in all cases to be considered for approval.

OSHA and High Proximity Act regulations and One-Call requirements shall be met.

High voltage transmission crossings shall provide minimum vertical clearance as per the requirements of the individual utility owner, but in no case is the vertical clearance to be less than 30 feet over roadways and shoulders. Minimum clearances (both vertical and lateral) for communication lines and overhead power lines of any voltage shall in no case be less than the standards prescribed by the National Electric Safety Code (NESC). The

Engineer shall provide the Authority with documentation for the clearance and the concurrence of the utility owner in each case. Structures carrying Authority roadways over or under Authority ramps shall not be used to support utilities, other than those required for Authority purposes.

Pipelines conveying gas ~~of any design pressure at greater than 60 psi design pressure~~ will not be permitted to cross over Authority roadways. ~~Pipelines conveying gas at design pressure of 60 psi or less will be permitted to cross over Authority roadways provided they are sleeved within a casing pipe.~~ No pipes carrying liquids ("wet lines"), other than bridge drainage piping, will be allowed in or on structures over Authority roadways. All underground pipelines operating under pressure shall be cased or otherwise protected under Authority roadways and ramps. On a ~~case-by-case~~ case-by-case basis, the Authority may waive the casing pipe requirements under roadways and ramps as noted in Exhibit 8-1.

Conduits with power or communications lines crossing under or bridging over Authority roadways typically do not require casing. On a case by case basis, the Authority may require casing or other protection of these conduit installations. All underground casings shall be installed in accordance with the provisions of Exhibit 8-1.

Existing utilities will be permitted to be relocated onto a new structure over Authority roadways if the existing structure carrying the utilities is to be removed / replaced. New utilities will be permitted to be carried by structures carrying local roads over Authority roadways only if the utility company has determined to the Authority's satisfaction and approval that installing the utilities underground is not feasible.

Gravity flow pipelines need not be cased under Authority roadways, provided that no erosive, corrosive or caustic conditions or stability problems exist which would predictably limit the life of the pipe. Under doubtful circumstances, such pipelines should be sleeved within a casing pipe or concrete encased, whichever is more economical and appropriate. Future enlargement of the cased gravity flow pipeline should be considered when determining the size of the casing pipe.

Casings are not required for pipelines of any type passing under paved public parking lots at Authority service areas, toll buildings, and maintenance facilities.

All utility crossings shall be arranged such that required points of access, such as manholes and poles, are outside the Authority's right of way. This policy may be modified with specific Authority approval where unusual conditions make such arrangements unrealistic.

Criteria for railroad and other such major utility alignments shall be established for each specific case by the Authority's Engineering Department, except for clearances and other geometric requirements which are set forth under Design Manual Sections for "Geometric Design".