

# NET RMA Toll 49 Utility Process

## Overview

Toll 49 is a control access facility owned and operated by the NET RMA. As a general rule, the NET RMA requires utility installations comply with Title 43, Chapter 21, Sub-chapter C Rule §21.37 thru §21.41 of Texas Administrative Code. References within the code to TxDOT or its staff should be read as NET RMA or its staff.

## General Guidelines

### General Requirements

The following apply to all permits:

- ◆ Installations should be designed to avoid future adjustments due to expansion of Toll 49.
- ◆ All crossings should be made 90 degrees to Toll 49.
- ◆ Longitudinal installations will not be permitted.
- ◆ All underground utilities will be seventy-two (72) inches below the lowest point of crossed grade.
- ◆ All underground utilities will be cased from ROW line to ROW line.
- ◆ As built drawings will be provided to the NET RMA after utility installation is complete.

### Construction Oversight

The NET RMA engages a third party to oversee the construction of utility installations. Oversight will begin when construction begins and will cease when construction is complete. All expenses for this oversight will be borne by the Utility Company.

A cashier's check for \$10,000.00 will be required prior to the approval of the Utility Installation Request. This check will be used to ensure proper notification, seventy-two (72) hours prior to beginning construction and keep the NET RMA informed of construction activities throughout construction. Failure to properly notify the NET RMA of beginning construction and subsequent construction activities, along with full payment of construction oversight expenses, will result in forfeiture of the cashier's check. Un-forfeited checks will be returned upon completion of the construction and as built drawings.

## Utility Installation Request Forms

### Requirement of Utility Installation Request Forms

All requests for new installations of utilities on Toll 49, other than for highway needs, should be made by the use of "Utility Installation Request" (Form 1001), with drawings to be used for new installations, except for:

- ◆ attachments to bridges
- ◆ construction of utility bridges
- ◆ utilities located on rights of way owned or leased by the utility owners
- ◆ instances in which the state is participating in the adjustment or relocation cost of the utility installation to meet highway design requirements.

### Requirements for "Notice" Side of Form

The appropriate form is to be completed in detail and signed by the applicant on the "Notice" side. This portion of the form should briefly but adequately describe the proposed installation and give the following information:

- ◆ location of proposed site including GPS (latitude/longitude) information
- ◆ total length of proposed installation
- ◆ whether installation will be inside or outside of city limits
- ◆ whether any paving or riprap is involved
- ◆ working pressure of pipelines
- ◆ whether sewer line is gravity flow or pressure
- ◆ voltage of transmission lines
- ◆ type of pipe, encasement or any other related information.

### Additional Requirements for High Pressure Pipelines

All Utility Installation Request forms for high pressure pipelines (generally 60 psi or greater) should contain the following additional information in the description section of the permit form:

- ◆ diameter
- ◆ wall thickness

- ◆ material specification
- ◆ minimum yield strength
- ◆ maximum operation pressure of the pipeline.

With the exception of the maximum operation pressure of the pipeline, this information is to be supplied for both the carrier pipe and the casing. Assurance must also be given that the installation material and design meet the minimum federal safety standards for liquid and gas pipelines [49 CFR part 192](#).

High pressure pipeline requests, will require the following project information:

- ◆ depth of cover – 72 inches minimum
- ◆ accurate GPS location
- ◆ roadway crossing angle – should be 90 degrees
- ◆ display of pipeline markers
- ◆ display of vent stacks

More information about requirements for high pressure pipelines may be found in the 43 Texas Administrative Code [Rule §21.40 Underground Utilities](#)

### **Special Provisions**

Any specifications not included on the "Notice" or "Approval" side of the form must be included in a list of Special Provisions that must be attached to and made a part of the notice form. These provisions may be for one specific installation or may be a NET RMA requirement.

### **Review and Approval of Utility Notice Forms**

After the applicant completes the appropriate form, the NET RMA will review and complete the form by attaching all special provisions and requirements necessary to achieve a safe installation and an undelayed approval.

The Director of Maintenance is authorized to approve all utility notice forms and agreements **except** the following:

- ◆ installations which involve an exception to policy;
- ◆ high pressure gas lines expected to operate at a pressure greater than 60 psi;
- ◆ installations which involve areas of scenic enhancement and natural beauty; or
- ◆ agreements for construction of utility bridges.

For an exception to guidelines, the company memo and/or NET RMA cover letter should address the [43 TAC Rule §21.35 Exceptions](#).

### **Review and Approval of Utility Notice Forms**

Utility forms submitted to the NET RMA Director of Maintenance will receive appropriate review and handling, after which the utility company will be advised of acceptance or disapproval. Prior to the final approval the Utility Company will provide a cashier's check as outlined in the General Guidelines, Construction Oversight. The utility company is not to begin work until advised of final approval and to do so by the NET RMA Director of Maintenance. NET RMA Director of Maintenance is to be notified seventy-two (72) hours prior to beginning construction. Failure to provide notification will result in forfeiting of the cashier's check provided for permit approval. The NET RMA Director of Maintenance will be responsible for administering all utility installations in accordance with the policies of the NET RMA and will maintain a complete record of permits issued.

### **Contact Information**

**Please contact the NET RMA Office shown below to initiate the process and obtain further information from the NET RMA Director of Maintenance.**

NET RMA Office  
1011 Pruitt Place  
Tyler, TX 75703  
903-630-7894

### **Drawing for Utility Installation Request Forms**

#### **Requirements for Drawing**

One copy of the drawing should accompany each notice form. The drawing should show:

- ◆ the location of right of way lines
- ◆ frontage roads
- ◆ ramps
- ◆ control of access lines
- ◆ main lanes
- ◆ proposed location of utility installation

- ◆ limits of encasement
- ◆ depth of cover (if applicable)
- ◆ all other pertinent data including a north arrow and the scale.

Control of access lines must be shown on the inside edge of frontage roads only when control of access is located between frontage roads and main lanes.

The proposed installation must be shown in a different color from the rest of the drawing, or other-wise clearly identified. Minimum size of drawing is 8½" x 11" and the drawing must be large enough to show all necessary details clearly.

In addition, it is recommended that utility installations in rural areas be described on a separate vicinity map which references the location of the installation to readily identifiable and permanent landmarks, such as the junction of state highways, river crossings, etc. It is recommended that one of the various internet sources be used to provide a vicinity map with GPS coordinates of the location.

### **Underground Installations**

A cross section drawing of all underground installations showing limits of encasement and depth of burial should be included if the proposed installation crosses the highway right of way. Any provision not included in the drawing must be included on the form or in a list of Special Provisions, which must be made a part of the request form. The drawing must also include:

- ◆ height of power and communications lines above highway pavements (when applicable)
- ◆ existing installations of the same utility
- ◆ whether the highway facility is proposed, under construction or completed and opened to traffic.

### **Requirements for Manholes**

If manholes or above ground equipment housings are to be incorporated in the installation, they must be shown on the drawing, and a separate detailed drawing showing their dimensions must be included. Manholes and above ground equipment housings must conform to the requirements described in the Texas Administrative Code, Title 43, Chapter 21, Subchapter C and elsewhere in this chapter.

Future manholes that are to be located near existing manholes of the same utility line

must be placed in line with the existing manholes. Offset manholes involve an excessive use of available right of way area and thus cause an undue burden on other utilities in securing an area for placement of their manholes or lines.

### **Bore Pits or Trenches in the Median**

All installations which use bore pits or trenches located in the median or outer separation must include the following provisions, whether on the notice form or included in a Special Provisions page:

- ◆ Barricades, warning signs and other devices, as needed to comply with the *Texas Manual on Uniform Traffic Control Devices*, must be installed at any excavation or other work areas within 30 feet of lanes and ramps in order to adequately warn traffic and delineate obstruction and work areas.
- ◆ Trenches or bore pits must not be excavated where they may cause damage to roadways or to structures unless adequate and approved revetment is provided.
- ◆ No work will be undertaken within the controlled access area until adequate arrangements are made for its prompt completion.