

*How tomorrow moves*



# Utilities and CSX

November 1, 2007

# *Topics*

- How tomorrow moves
- Permitting utilities
- Contacts

# *Good for America – real needs, real solutions*

- Moving products that power and build homes, clean water, stock shelves and protect our nation
- Keeping businesses moving safely and securely
- Delivering environmental benefits
- Taking the load off America's congested highways

# *Permitting utilities*

- Permitting
- Safety
- Specifications
- HDD program
- Inspection

# Permitting: Applications @ [www.csx.com](http://www.csx.com)

- **Select:** Customers → Other CSX Services  
(Buying or leasing property)

## For Utility Installations

**Select:** Leases and Licenses

- Pipeline
- Wireline
- Outside Party Request  
(maintenance)

## For Surveys

**Select:** Accessing CSX Property

- Right of Entry

# Permitting: 2008 Rollout

- **January/February:** Applications
  - Single form for aerial / subgrade installations
  - Guided instructions
  - Budget worksheets
- **June/July:** Improved web design
  - Latitude-Longitude capabilities
  - Indexed Specifications
- **December:** Online Application

# Permitting: 2008 Rollout

## ■ Workshops

- Customer Site Driven
- CSX Headquarters
- FUCC meetings (or similar organizations across CSX system)

## ■ Federal Railroad Administration (FRA) deviations

— Even minor deviations by excavation in, around, or under the track structure can be in violation of FRA safety standards and can require a slow order to prevent derailments

- Profile: 2"
- X-level (one rail): 1 ¼"
- Warp (2 locations w/in 62'): 1 ¾"

- Roadway worker regulations
  - Flagman to comply and protect
  - On scene “eyes” to detect issues, safety and/or track structure
- CSXT coordinators/inspectors
  - Compliance w/ approved installation methods
  - Safety training

# Safety: why?



# Safety: why?



# Specifications

## ■ Aerial Installations

- Poles (Typically not on CSX property)
  - Measurements from centerline of track to each pole
  - Pole top configuration
- Height measurement from top of rail to bottom of wire sag – should be at least 27 feet
- Angle of crossing – 90° whenever possible

# Specifications

- Subgrade Installations (Jack and Bore)
  - Steel casing pipe throughout railroad corridor
  - Depth measurements from bottom of rail to top of casing pipe
  - Launching and receiving pits located off railroad property and shown on both plan and profile view drawings
  - Measurement from centerline of track at 90° to face of pit
  - Vent or valve location and illustration (if applicable)
  - Location of manholes or handholes
  - Angle of crossing – 90° whenever possible

# HDD program

- Advanced Engineering Review Fee \$2,500.00
- Casing and Depth Requirements

Commodity	Acceptable Material (Outermost Pipe)	Minimum Cover (beneath <u>each</u> rail)
Wireline	HDPE	15 Feet* <small>*Outermost Pipe exceeding 6 inches in diameter requires 25 foot minimum cover beneath each rail.</small>
Liquid or Gas	STEEL	25 Feet

# HDD program

## ■ Additional Documents Required

### — Boring Plan

- Expected soil conditions, angles, depth, final reamed borehole, etc.

### — Contractor Profile

- Qualifications and demonstrated ability (especially with railroad projects)

### — Fracture Mitigation Plan

- Contingency Plan
- Monitoring quality

# *Inspections*

- All subgrade projects will have an inspector
- Project Request Form

# Contacts

## Application/Permit Requests

**States:** *CT, DE, FL, LA, MS*

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## Construction Activities

***Flagging–System Wide***

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***Inspection–System Wide***

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# Additional Contacts

## Application/Permit Requests

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### ***Rights of Entry-System Wide***

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### ***Form Requests***

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*Questions?*