

# O.G. Engineering

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## **Working with the railroad:**

### What do you need to work on the railroad's ROW:

- Encroachment Permit
  - o Temporary
  - o Permanent

### How to apply for a permit:

- Overhead, underground: minimum requirements, AREMA standards, angle of crossing, other things to take in consideration prior to preparing plans (location, railroad expansion plans, etc.)
- What is the process to apply (plans, Exhibit A, TCE, clearances, boring method, etc.)
- What is UP's process to review the application and plans?
- How long will a permit application take?

### What does the permit allow:

- Existing line without permit
- New line
- Relocation of existing (can reuse the easement?)
- Removal of old line
- Maintenance/repairs

### Prior to construction:

- Do I need flagging? Are there other ways to protect the track?
- Will UP ask for a monitoring contractor?
- Who to contact at UP prior to starting work? (Call Before You Dig, Signal, MTM, etc.)
- Is there any required UP work?

### During construction:

- Flagging
- Observer
- Staging
- Boring under tracks (boring pits)
- Top of rail monitoring
- Other consideration (railroad emergencies, track and time, work windows)