



ATTACHMENTS REQUIRED

- Height/Depth Clearance Typical
- Traffic Control (proper standards or a spelled out traffic control plan)
- Tile Repair Typical for all longitudinal installs and others depending on circumstances
- Additional approval letters or added information only if it cannot fit on the permit and/or site plan
- CARS 511 data if you are closing lanes or closing road for work



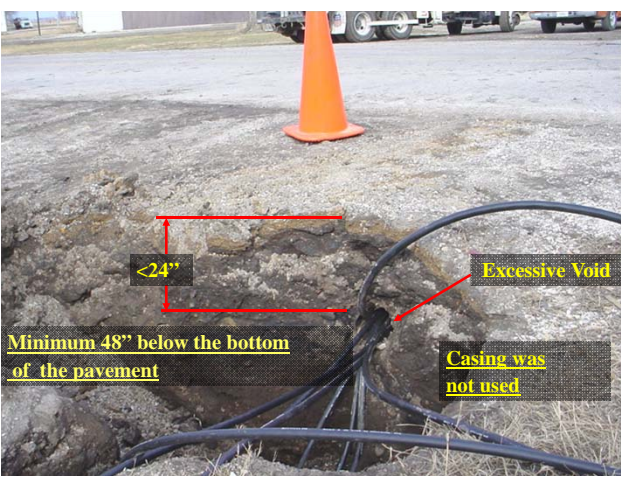
Height & Depth Requirements

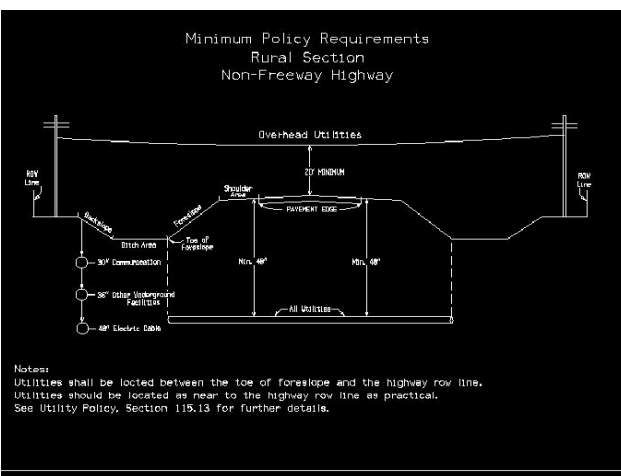
- Uniform and established height
 - Protect high profile transport vehicles from low height lines
 - Protects unexpected outages from downed lines or lines snagged from snow plowing efforts
- Uniform and established depth
 - Protect other utilities from unexpected installation height or depth
 - Protect roadway and ROW from Damage
 - Prevent culvert damage, subdrain damage and utility damage from later installations

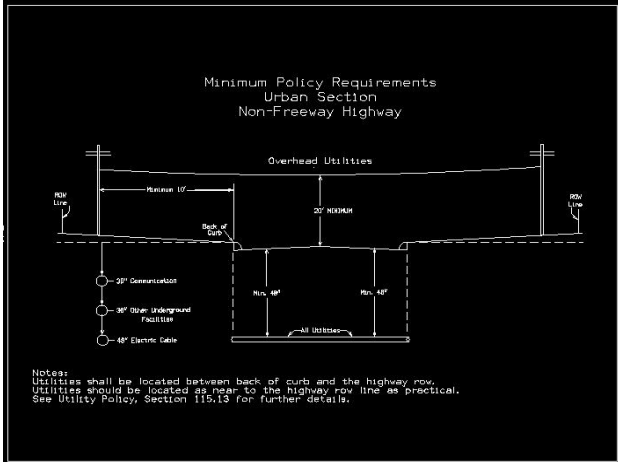


How can a shallow depth affect a road?









Traffic Control

- **Traffic Control is one of the most overlooked items in both permit submittals and practical application on the roadway**
- **However Traffic Control is one item that can put your crew and the traveling public at risk the fastest**



SAFETY IS NO ACCIDENT

- **50% OF DRIVERS ARE LESS SKILLED THAN AVERAGE.**
- **Construction activity distracts the motorist. (Including some of the 50% who have better than average skills.)**
- **It is the Utility applicant's responsibility to supply the intended traffic control for the installation of their facility. However, the Iowa DOT will provide recommendations if the installation area does not conform well to basic traffic control standards.**

SAFETY IS THE #1 CONCERN

- Safety of the traveling public
- Safety of the employees and contractors in the work zone



Traffic Control Standards

- TC-202, TC-212, TC-213, TC-214, TC-215 for 2-lane roadways
 - TC-1 is for duration of less than 1 hour
 - AMBER LIGHT ON THE VEHICLE IS A REQUIREMENT
 - TC-202 is for work that will be outside the clear zone of the roadway (this includes parked vehicles, trailers and idle equipment.)
- TC-402, TC-418 (Divided Highway), TC-419 (Undivided Highway) are for 4-lane operations.
- TC-228 and TC-429 used in 3-lane sections with TWLTL
- TC-451 is for temporary full closure of a multi-lane facility requires law enforcement coordination and special notice to the District Traffic Tech.
- Additional assistance for non-typical traffic control contact the District Traffic Operations



Current Traffic Control Standards can be obtained from:



"We're saved! He's connecting us to the World Wide Web!"

- http://www.iowadot.gov/design/stdplne_tc.htm



Tile Line Repair

- Tile lines are not recorded in the OneCall system
- Your company is liable for all tile lines that your installer intersects.
- Tile that is left unrepaired is not always reported to the DOT until months/years after the damage occurs.
- It is not difficult to trace down which utility installation has intersected and damaged a field tile.
- It is vital that this sheet be included for a legal reminder to your contractor that they are required to repair tile lines and should be on the lookout for them.



Putting it all together

All of the following is to be sent to for a proper application submittal

- 1 completed permit application with all original signatures
- 2 sets of site plans (1 pristine and 1 for DOT markup/corrections)
- 1 set of Attachments
 - Traffic Control
 - Height & Depth Typical
 - Tile Repair Typical
- All additional information required to be on file or improves intent of installation