

# TRADE SPACE FOR TIME - 1

The space that we have to trade is a very large, well equipped, well staffed PRE-FAB SHOP. The time that we are trading for (in this particular example) is racking the duct-bank stub ups together, traditionally done down in the trench and the most time consuming part of building the duct-bank. To gain the complete time/schedule advantage, the stub up racks are built off site and staged on site just before the trench is opened (as in the SIS plan below). We have been successful with this method on many jobs in many different environments. Every major contractor that does substantial underground work is using this method and the Clients / CMs / GCs have come to expect it because of the time it saves to the disruption of the site (less work done on site & the trench can be open for less time).

## INFO DROP #95



Stub ups are staged on site and ready for the trenching to start.

As trenching begins, the stub ups can be set in place instead of built in place. The time difference is dramatic.



Pre-planning and details will allow duct-bank stub ups to be built in the Fab-shop prior to the ground being opened up. This portion of the work represents the most labor intensive part of the duct-bank and traditionally happens inside the ditch. This is more time for the trench to be open.

# OCTOBER 2019

| Sunday                  | Monday                           | Tuesday | Wednesday              | Thursday | Friday         | Saturday |
|-------------------------|----------------------------------|---------|------------------------|----------|----------------|----------|
| 6                       | 7                                | 8       | 9 Yom Kippur           | 10       | 11             | 12       |
| TRADITIONAL STICK BUILD |                                  |         | OPEN TRENCH            |          | BUILD STUB UPS |          |
| 13                      | 14 Columbus Day                  | 15      | 16                     | 17       | 18             | 19       |
|                         | RUN HORIZONTAL STRAIGHT SECTIONS |         | INSPECT / POUR / COVER |          |                |          |

|                             |                        |                            |              |              |                                  |    |
|-----------------------------|------------------------|----------------------------|--------------|--------------|----------------------------------|----|
| 6                           | 7                      | 8                          | 9 Yom Kippur | 10           | 11                               | 12 |
| PRE-PLANNED / PRE-FAB BUILD |                        | BUILD STUB UPS / TRANSPORT | OPEN TRENCH  | SET STUB UPS | RUN HORIZONTAL STRAIGHT SECTIONS |    |
| 13                          | 14 Columbus Day        | 15                         | 16           | 17           | 18                               | 19 |
|                             | INSPECT / POUR / COVER |                            |              |              |                                  |    |



This is a **SHORT INTERVAL SCHEDULE** for a duct-bank section that shows the traditional stick built method (stub up is racked together inside the trench) and the pre-planned / pre-fab method (stub up is built off site ahead of time and transported to the trench site just before digging starts). The trench is opened at the same time in both examples but space in the Fab-Shop is traded for time in the trench and the trench is ready to cover earlier in the pre-planned / pre-fab method. This method seems to speed up the horizontal installation as well.