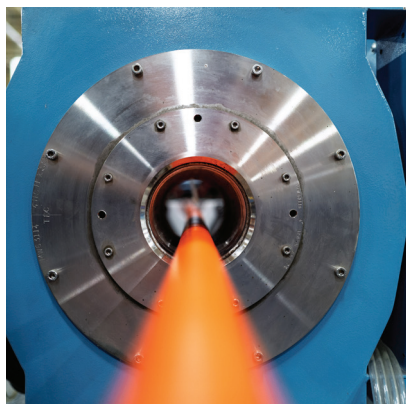


## Cost-Benefit Analysis: **BDI Factory-Installed Cable-in-Conduit (CIC) vs. Traditional Field Pulling**

Feature / Metric	Traditional Field Pulling	BDI Factory-Installed CIC	The “BDI Advantage”
<b>Labor Requirement</b>	<b>High.</b> Requires separate crews for conduit installation and cable pulling.	<b>Low.</b> One crew installs conduit and cable simultaneously in a single pass.	<b>Save 40-60% on labor costs.</b>
<b>Project Timeline</b>	<b>Extended.</b> Two-step process (Trench/Bore ⇒ Pull Cable).	<b>Accelerated.</b> One-step process. Install and move to the next site.	<b>Reduce total project time by up to 50%.</b>
<b>Equipment Costs</b>	<b>Heavy.</b> Requires pulling tuggers, specialized lubes, and tension monitors.	<b>Minimal.</b> Standard trenching, plowing, or HDD equipment only.	<b>Lower capital expenditure per job site.</b>
<b>Cable Integrity</b>	<b>Risk of Damage.</b> Potential for scraping, stretching, or debris contamination.	<b>Factory-Protected.</b> Cable is sealed and protected in a controlled environment.	<b>Minimize “re-work” and cable failure claims.</b>
<b>Weather/Site Risks</b>	<b>High.</b> Mud, rain, and frozen ground can stall cable pulls for days.	<b>All-Weather.</b> If you can trench or bore, the cable is installed. No delays.	<b>Keep your schedule on track regardless of conditions.</b>
<b>Lubrication</b>	<b>Messy/Inconsistent.</b> Manual field application is often uneven.	<b>Precision.</b> Factory-applied lubrication ensures optimal low friction.	<b>Better long-term cable performance.</b>
<b>Total Installed Cost</b>	<b>Higher.</b> Hidden costs in labor, time, and equipment rentals.	<b>Lower.</b> Higher material value, but significantly lower labor/time costs.	<b>Higher Profit Margin for the Contractor.</b>



### Stop Paying Twice for the Same Trench

Why pay a crew to dig a hole and then pay them again a week later to pull cable through it? With Blue Diamond’s Cable-in-Conduit (CIC), the trench is opened and closed with the cable already safely inside.

### Eliminate the ‘Pulling’ Variable

Field pulling is where most cable damage happens—stretching, scraping, or getting stuck. Our factory-controlled process removes that risk entirely, ensuring your 5G or Power assets are pristine upon delivery.

### Beat the Weather

We’ve all seen projects stall because a site got too muddy to set up pulling equipment. If your machines can move dirt, Blue Diamond’s Cable-in-Conduit (CIC) can be installed. Don’t let a rainstorm eat your profit margin.

**Need a Project-Specific Compliance Certification?** Put the BDI advantage into your next bid.

Speak with our Federal Infrastructure Specialist today to get the exact documentation your grant auditor requires.