



A Non-Invasive and Cost-Effective Form of Complete Pipe Replacement

PIPE BURSTING

IPR is the world leader in pipe bursting. Since 1984, it has burst more than 15 million feet of damaged water and sewer pipe. Field-proven quality equipment, exceptional project management, and unmatched experience makes IPR the simple choice for even the most complex pipe bursting projects.

Trenchless pipe replacement via the pipe bursting method is recommended when the host pipe's structural integrity has been severely compromised or when the demands on the system are greater than the host pipe's current flow capacity.

Typical Applications

IPR's pipe bursting capabilities include the trenchless replacement of the following piping materials:

- ▶ Non-reinforced concrete
- ▶ Reinforced concrete
- ▶ Ductile iron
- ▶ Clay
- ▶ PVC

Pipe Bursting Performance Advantages

- ▶ Can replace pipe from 6" to 48" diameter
- ▶ Trenchless solution that requires only one point of entry and exit
- ▶ Can upsize water, stormwater and sewer pipes for increased capacity
- ▶ New pipe manufactured from HDPE for 50-year design life
- ▶ Fusible HDPE pipe joints ensure replacement pipe is leak free

Project Design Classifications

Classification	Depth of Pipe	Existing Pipe Diameter	New Pipe Diameter Options	Burst Length
A - ROUTINE	<12 ft	4 - 12 in	Size for Size to 1 up size	0 - 350 ft
B - CHALLENGING TO MODERATELY DIFFICULT	>12 ft <18 ft	12 - 20 in	2 up size	350 - 450 ft
C - DIFFICULT TO EXTREMELY DIFFICULT	> 18 ft	20 - 36 in	3 or more up sizes	>450 ft

Post Installation Inspection

IPR will perform post installation, internal television inspections. Each reach of pipe will also have audio description with appropriate stationing of services indicated. The data and stationing will be recorded on video. All inspections will be performed by IPR personnel trained in locating breaks, obstacles and service connections by closed circuit color television.

Technical Envelope

Pipe Materials	HPDE, Meeting ASTM F714
Diameters:	6 to 48 inches
Pipe Joining Method:	Butt-fusion by certified technicians
Reference Standards:	ASTM D 1238-99, ASTM D 1505-98, ASTM D 790-00, ASTM D 638-99, ASTM D 1693-00, ASTM D 3350-99, ASTM D 618-99, ASTM D 2837-98a, ASTM D 575