Boring Method Selection

Variable	Slurry Bore	(Conventional) Dry Bore	Pilot Tube Micro Tunnel
Product Pipe needed	*All smooth round pipe water, sewer, gas, cable, etc.*	*Any product that can be installed in Steel Casing*	*Any product that can be installed in Steel Casing*
Material to be Bored	*Smooth outer profile*	*Must be steel casing to use auger in bore.*	*Must be steel casing to use auger in bore. Can cycle some structural product*
Size	*2" to 36" diameter*	*16" to 72"*	*16" to 72"*
Distance	*Up to 120' Some specs limit distance*	*20' to 600' limits on larger sizes*	*50' to 600'*
Ground Conditions	*Best in cohesive soils Not ideal in low P.I. soils Not ideal in wet ground Line & Grade may be subject to small variations*	*Works well in most soil conditions. Typically only used for short runs or bores where Pilot can't be attained (ex: rock)*	*Works well in most soil Conditions Length of pilot depends on ground conditions.*
Cover	*3' to 5' depending on soil and existing structures*	*One full diameter of casing size installed*	*One full diameter of casing size installed*
Key Factors	*Unsupported hole is cut Pipe is pushed through open hole. Guidance by walk-over instrument Most affordable if ground conditions allow*	Casing provides continuous *structural support of hole Guidance requires steering head. Manual verification of alignment throughout boring process.*	*Hybrid method* Best guidance accuracy Best ground support in loose *or wet soils Larger sizes > 36" require multiple passes to upsize*