



**ITS Quality Checklist
Conduit Placement – Plow**



Date:		Contract ID:		Financial Project ID:		Quality Inspector:		
Beg/End Sheet(s)			Beg/End MP			Beg/End Sta.		
CONFORMED	NCR*	N/A	INSPECTION REQUIRED					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify running line location and offsets are in accordance with the approved plans and specifications.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Review approved traffic maintenance and protection plan and carry copy to the field.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Monitor traffic control setups and recommend adjustment if necessary.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify pre-rip passes prior to plow operations exceeds the pipe or duct burial depth by 6 inches. Final ripping pass shall be in the same direction as pipe or duct plowing.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prior to plowing, verify the route surface is prepared to eliminate abrupt changes so the pipe or duct alignment and grade shall be smooth and uniform.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify minimal depth of cover is in accordance with the plans and specifications and the requirements of governing authorities and Right-of-way owner.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify pipe or duct material passes through the plow-chute without damaging or overstressing the conduit.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify the plow attitude and depth does not change unless the prime mover is moving forward and any changes in attitude shall be gradual. All changes in depth shall be gradual, not to exceed one (1) foot in (10) feet in length. The plow shall not be set at extreme forward rake angles and prime mover shall never be backed up with the plow in the ground.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify conduit/pipe ends are cut square to provide flush-butting surfaces when spliced and inside edges are free of burrs that could impede the cable installation operations. Ends of ducts shall be sealed to keep dirt and debris from entering.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify duct jointing is completed as the pipe or duct is installed utilizing manufactured mechanical external couplings compatible with the type of duct being placed and with the method of cable placement to be used. Duct joints shall be made secure and capable of allowing compressed air to be used for installing a pull line, and shall be capable of withstanding 110psi air pressure as measured by static pressure test.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify the buried cable marking tape is installed a minimum of 12-inches below grade directly above the conduit, pipe or duct.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that duct placement is in a free-water environment to prevent the pipe or duct from floating. Dewatering, anchoring, or weighing of the duct shall be accomplished without causing damage to the duct.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Document all changes from the approved plans and specification to the as-built drawings.					
*Complete and Attach a Nonconformance Report for all Nonconforming items noted.								
QUALITY INSPECTOR			DATE			DOC CONTROL NO.		