



**ITS Quality Checklist
ITS Conduit Placement – Trench**



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 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 conduit is placed in the center of the bottom of the trench with the entire length of conduit, pipe or duct bearing on the trench bottom. The trench bottom shall be regraded if the conduit does not have full bearing to the extent practical. Verify after final placement, conduit rests on the bottom of the trench in a straight line under slight tension during backfilling.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify conduit/pipe field bends have a minimum 10-foot radius for steel and PVC conduit. Where a radius less than the allowable field bend are indicated, factory sweeps and bends with a minimum radius of 3 feet shall be used. Cold bending of PVC pipe shall not be allowed.					
<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 innerducts shall be sealed to keep dirt and debris from entering. Manufactured compression plugs or other approved seals shall be used in sealing duct ends.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify duct jointing is completed as the duct is installed utilizing manufactured mechanical external couplings compatible with the type of duct being placed. Duct joints shall be made secure and capable of allowing compressed air to be used for installing a pull line or cable.					
<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 backfill and compaction is in accordance with the plans and specifications, or jurisdiction authority, whichever is more stringent, on finished areas including road surfaces, road shoulders, parking areas, lawns, and public right-of-ways.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify backfill material is composed of earth only and shall not contain logs, stumps, frozen debris, wood, grass, roots, broken concrete, stones, trash, organic material, or other debris. Dewatering of trenches shall be performed as needed.					
<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.		