

 <b>ISO 9001-2008 PROCEDURE</b>	<b>PROCESS OWNER</b> Director of Engineering			
<b>PROCEDURE TITLE:</b> Validation of Construction Processes	DOCUMENT NUMBER: ISO_7-52	REVISION LEVEL: Final Draft	REVISION DATE: 04/07/2009	Approval: Managing Director

**Purpose/Scope:**

This procedure defines the approach taken to validate construction processes and methods where deficiencies become apparent only after completion of the project.

**Responsibility:**

The Director of Engineering is responsible for maintenance of this procedure. All staff involved with roadway construction projects is responsible for following this procedure.

**ISO 9001:2008 Reference:** 7.5.2 - Validation of Processes

**Procedure:**

- 1.0 Projections of road, pavement and bridge life cycle are based on historical life cycle performance where known methods, processes and materials were used.
- 2.0 Construction processes are validated by drawing correlation between road, pavement and bridge life cycle data and the construction methods and materials used.
- 3.0 These data collectively contribute to a body of knowledge and prescribed state-of-the-art construction methods from which standards and specifications are derived.
- 4.0 These standards are continually updated and improved using input of new data.
- 5.0 Roadway construction standards are created and issued by the following agencies:
  - Federal Highway Administration
  - MDOT
  - Road Commission Design and Construction Standards
- 6.0 For each project, the construction plans and designs must demonstrate conformance to current applicable standards issued by the above agencies.
- 7.0 Records of inspections and tests must be maintained to verify the appropriate construction methods and materials were used.