Section 5-1 General

5-1.1......Level 1 Investigation
5-1.2......Level 2 Investigation
5-1.3......Level 3 Investigation

Section 5-2 Level 1 Investigations and Reports

5-2.1......Overlay Resurfacing Projects
5-2.2......Pavement Removal and Replacement Projects
5-2.3......Projects with Safety Improvement Earthwork
5-2.4......Projects with Major Earthwork
5-2.5......Resources

Section 5-3 Level 2 Investigations and Reports

5-3.1......Deliverable Information
5-3.1.1......Soil Types and Textures
5-3.1.2......Recommended Grade Line Position
5-3.1.3......Frost Susceptible Materials
5-3.1.4......Topsoil depths
5-3.1.5......Earth Cuts
5-3.1.6......Select Materials
5-3.1.7......Excavation Below Subgrade
5-3.1.8......Expansion/Shrinkage Factors
5-3.1.9......Organic Soils
5-3.1.10.....Bedrock Excavations
5-3.1.11.....Pavement Design Factors
5-3.1.12.....Level of Investigation

Section 5-4 Level 3 Investigations and Reports

5-4.1......Geophysical Investigative Methods
5-4.1.1......Seismic Methods: (Seismic Refraction and Vibration Monitoring)
5-4.1.2......Ground Penetrating Radar: (GPR)
5-4.1.3......Electrical Resistivity: (ER)
5-4.1.4......Falling Weight Deflectometer (FWD)
5-4.2......Slope Stability
5-4.2.1......Constructed Embankments
5-4.2.2......Cut Earth Slopes
5-4.2.3......Analyses and Alternatives
5-4.3......Consolidation
5-4.3.1......Analyses
5-4.3.2......Treatment Alternatives
5-4.4......Bedrock Slopes
5-4.4.1......Potential Issues
5-4.4.2......Analyses
5-4.5......Organic Deposits
5-4.6......Industrial Waste Usage
5-4.6.1......Potential Applications
5-4.6.2......Considerations