

Road Subgrade Compaction Method Statement

1. Purpose

This method statement describes the procedure, equipment, and resources required for subgrade compaction works for road construction.

2. Scope

The scope covers all activities related to the compaction of road subgrade, including preparation, compaction, and testing.

3. References

- Project Specifications
- Relevant Standards (e.g., ASTM, BS, AASHTO)
- Approved Drawings

4. Responsibilities

- **Site Engineer:** Supervision and overall implementation.
- **Surveyor:** Setting out and verification.
- **Foreman:** Execution of works as per plan.
- **Quality Inspector:** Inspection and testing of works.

5. Materials

- Approved subgrade material
- Water for moisture conditioning

6. Equipment

- Motor Grader
- Vibratory Roller
- Water Bowser
- Surveying instruments

7. Procedure

1. Site clearance and verification of formation level.
2. Moisture conditioning of subgrade as per specification.
3. Layer-wise spreading and initial levelling using grader.
4. Compaction with roller (specify passes and type), maintaining specified thickness and density.
5. Surface level and compaction check after each layer.

8. Quality Control

- Testing field density (e.g., sand cone or nuclear gauge)
- Moisture content tests
- Level and cross-section verification
- Inspection records and test reports

9. Safety and Environmental

- Personal Protective Equipment for all personnel
- Dust control measures
- Safe working distances for rollers and graders

- Wastewater management

10. Attachments

- Inspection Checklist
- Testing Forms
- Site Layout Drawing

11. Approval

Name	Designation	Signature	Date