

Method Statement Example for Road Construction

1. Scope of Work

This method statement covers the processes and procedures for the construction of a new asphalt roadway, including site preparation, sub-base construction, asphalt laying, and final finishing.

2. Materials & Equipment

2.1 Materials

- Crushed aggregate sub-base
- Bituminous binder
- Asphalt concrete
- Sands & fillers

2.2 Equipment

- Excavators and loaders
- Grader
- Rollers (vibratory and tandem)
- Asphalt paver
- Water tanker
- Survey equipment

3. Responsibilities

- Site Engineer: Supervise works and ensure compliance with specifications.
- Foreman: Direct and allocate workforce and equipment as required.
- Safety Officer: Monitor site safety and ensure safe working practices.

4. Procedure

1. Site Survey & Setting Out:

- Survey the area and mark the alignment as per approved drawings.
- Set out centerline and levels.

2. Site Clearance:

- Remove all vegetation, debris, and unsuitable materials.

3. Earthworks:

- Excavate and fill to achieve formation levels.
- Compact sub-grade to required density.

4. Sub-base Construction:

- Spread and compact crushed aggregate in layers.
- Check levels and compact each layer.

5. Asphalt Paving:

- Lay and spread asphalt using a paver.
- Compact using rollers to achieve proper density.
- Check thickness and finish of surface.

6. Finishing & Quality Checks:

- Carry out final surface checks for level and smoothness.
- Open to traffic as per approved schedule after completion.

5. Safety and Environmental Controls

- All personnel must wear appropriate PPE.

- Operate machinery as per manufacturer's recommendations.
- Dust and noise to be controlled in compliance with regulations.

6. Quality Assurance

- All works to be carried out in accordance with project specifications and standards.
- Testing and inspections to be performed at each stage.
- Records to be maintained for approvals and compliance.