## **Road Construction Method Statement**

### **1. Introduction**

This method statement outlines the planned process for constructing the road at [Project Location]. It highlights the step-by-step approach, safety measures, and quality assurance protocols to deliver a durable and efficient roadway.

### **2. Scope of Work**

* Surveying and site preparation
* Earthworks (cutting, filling, and leveling)
* Subgrade preparation
* Installation of base layers (sub-base, base course)
* Asphalt or concrete paving
* Road markings and final inspections

### **3. Objectives**

1. Ensure compliance with local road construction standards and specifications.
2. Minimize environmental impact during the construction process.
3. Deliver a road with optimal strength, durability, and safety.
4. Complete the project within the given timeframe and budget.

### **4. Resources Required**

#### **4.1. Personnel**

Project manager, engineers, equipment operators, and laborers.

#### **4.2. Equipment**

Graders, compactors, asphalt pavers, dump trucks, and water tankers.

#### **4.3. Materials**

Granular sub-base, asphalt mix, concrete, and marking paint.

### **5. Work Methodology**

#### **Step 1: Site Survey and Preparation**

* Conduct topographical surveys.
* Clear the site of debris and vegetation.

#### **Step 2: Earthworks**

* Excavate and fill to achieve the required profile.
* Compact the soil to achieve the desired density.

#### **Step 3: Subgrade Preparation**

* Stabilize the soil with lime or cement if necessary.
* Compact and grade the subgrade.

#### **Step 4: Base and Surfacing**

* Lay and compact sub-base and base course.
* Pave the asphalt or concrete layer as per the design.

#### **Step 5: Finishing**

* Paint road markings and install signage.
* Conduct a final inspection for defects.

### **6. Safety Measures**

* Ensure proper traffic management around the site.
* Provide PPE for all workers.
* Install warning signs and barriers

### **7. Quality Control**

* Regular compaction and thickness checks for each layer.
* Ensure asphalt temperature is maintained during paving.

### **8. Environmental Considerations**

* Minimize dust generation by using water spraying.
* Proper disposal of excavation and construction waste.

### **9. Emergency Procedures**

* Emergency contact numbers and first-aid kits available on-site.
* Clear evacuation plan in case of accidents or extreme weather.