Method Statement for Bridge Approach Slab Construction

1. Scope

This method statement covers the construction of the bridge approach slab including materials, equipment, sequence of works, and quality control requirements.

2. References

- Project Specifications
- Approved Drawings
- Relevant Standards and Codes

3. Materials

- Reinforcement steel bars
- Cement concrete (as per specification)
- Formwork and accessories
- Curing Compound
- Water and Admixtures

4. Equipment

- Excavator
- Concrete Mixer/Batch Plant
- Vibrators
- Truck for material transportation
- Levelling instruments
- Hand tools

5. Methodology

5.1 Site Preparation

- Survey and mark out the slab location as per drawings.
- Ensure the approach embankment is compacted to the required grade and alignment.

5.2 Formwork & Reinforcement

- Install formwork in accordance with drawings and check for line, level, and rigidity.
- Fix reinforcement as per bar bending schedule; ensure correct cover and tie securely.
- Arrange for inspection and approval prior to concreting.

5.3 Placement of Concrete

- Ensure all materials and equipment are ready and in good working condition.
- Place and compact concrete continuously to avoid cold joints.

- Level and finish the slab as specified.
- Conduct slump and cube tests for quality checks.

5.4 Curing

- Apply curing compound or cover with wet burlap immediately after finishing.
- Maintain curing for the stipulated duration as per specifications.

5.5 Removal of Formwork

- Remove formwork only after concrete has gained sufficient strength and as per approved schedule.
- Inspect for honeycombing, cracks, or defects and repair as required.

6. Safety & Environmental Considerations

- Ensure all workers use proper PPE at all times.
- Follow site-specific safety measures for equipment and traffic management.
- Dispose of waste material in designated areas.

7. Inspection & Quality Control

- Check materials' compliance with standards prior to use.
- Continuous supervision during all activities.
- Maintain records of test results and inspections.

8. Responsibilities

Role	**Responsibilities**
Site Engineer	Supervision and implementation as per method statement
Foreman	Execution and coordination of work activities
Safety Officer	Overall safety monitoring and compliance
Quality Engineer	Quality assurance and maintaining documentation

9. Attachments

- Bar Bending Schedule
- Inspection & Test Plan
- Approved Drawings