

# Method Statement for Erection of Bridge Girders

## 1. Scope

This method statement outlines the procedure for the safe erection of bridge girders as part of the bridge construction works.

## 2. References

- Project Specifications
- Contract Drawings
- Relevant Standards and Codes

## 3. Responsibilities

- Site Engineer: Supervise erection activities.
- Safety Officer: Ensure implementation of safety measures.
- Foreman: Coordinate workforce and equipment.

## 4. Resources

Equipment	Personnel	Materials
Crane(s)	Qualified Riggers	Girders
Slings & Shackles	Crane Operator	Bearing Pads
Manlift/Access Platforms	Site Engineers	Temporary Supports

## 5. Procedure

### 1. Survey and Preparation

- Verify alignment and elevations.
- Ensure site is clean and access is provided.
- Check bearing pads for correct placement.

### 2. Lifting Arrangement

- Inspect lifting tools and gears.
- Attach lifting slings and shackles to designed points.

### 3. Erection of Girders

- Lift girder slowly to avoid swinging.
- Move and position girder above bearing pads.
- Lower girder onto the supports carefully.

### 4. Alignment and Fixing

- Check girder alignment and level.
- Make necessary adjustments before releasing slings.

## 5. Removal of Lifting Equipment

- Detach lifting gear only after stability is confirmed.
- Inspect the girder for any damages.

## 6. Safety

- Only trained personnel to perform lifting operations.
- All workers to wear required PPE.
- Ensure communication between crane operator and rigging team.
- Maintain exclusion zone during lifting.

## 7. Quality Control

- Document inspection checks for level and alignment.
- Maintain records of lifting gear and tool certifications.

## 8. Attachments

- Inspection Checklists
- Risk Assessment
- Lifting Plan