

# Concrete Vibration Checklist

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## Pre-Vibration Assessment

Tasks to be completed before vibration commences to ensure proper setup and identify potential issues.

### Concrete Mix Design Approved?

- Yes
- No
- N/A

### Concrete Slump (in)

Enter a number...



**Reinforcement Placement Confirmed?**

Yes

No

**Any Formwork Issues Observed?**

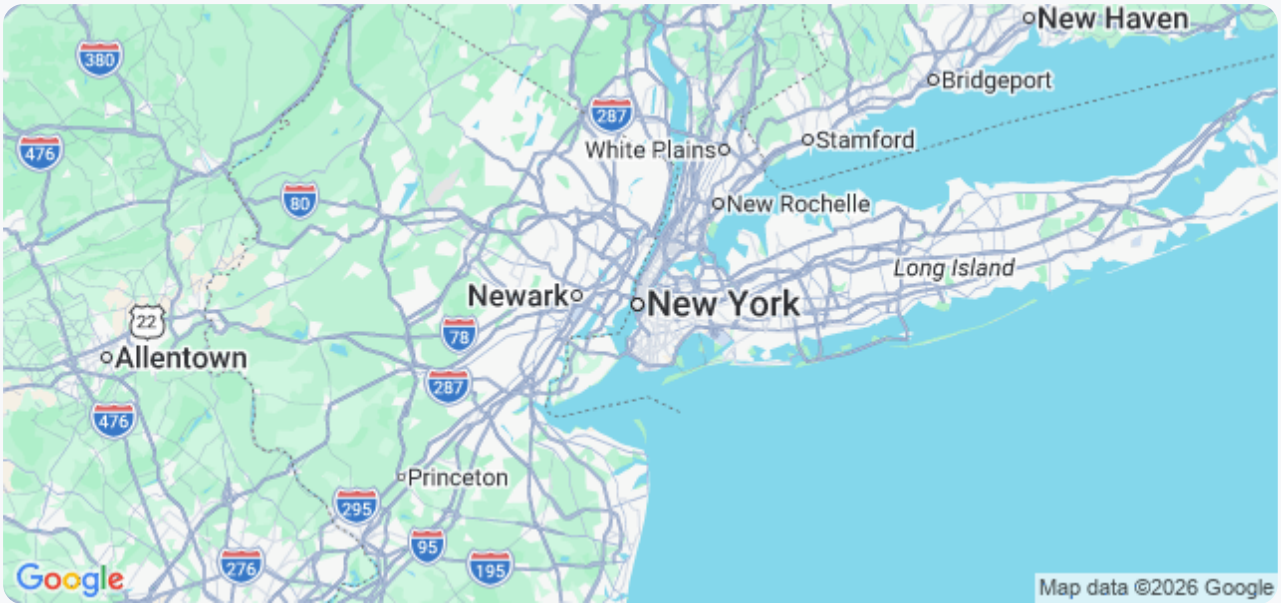
Write something...

**Pour Date**

Enter date...

## Pour Location Coordinates

 Set My Current Location



## Weather Conditions Suitable?

- Yes
- No
- Uncertain

# Vibrator Setup & Inspection

Verification of vibrator functionality, power supply, and connection to concrete.

## Vibrator Serial Number

Enter a number...

### **Vibrator Type (Internal/External)**

- Internal
- External

### **Power Supply Voltage (V)**

Enter a number...

### **Power Cord Condition**

- Good
- Fair
- Damaged - Needs Repair/Replacement

### **Frequency (Hz) - Measured**

Enter a number...

### **Any Pre-Existing Damage/Notes?**

Write something...

### **Vibrator Functionality Check (Motor/Mechanism)**

Functional

Needs Repair

### **Amplitude Setting (if adjustable)**

Enter a number...

## **Placement & Monitoring**

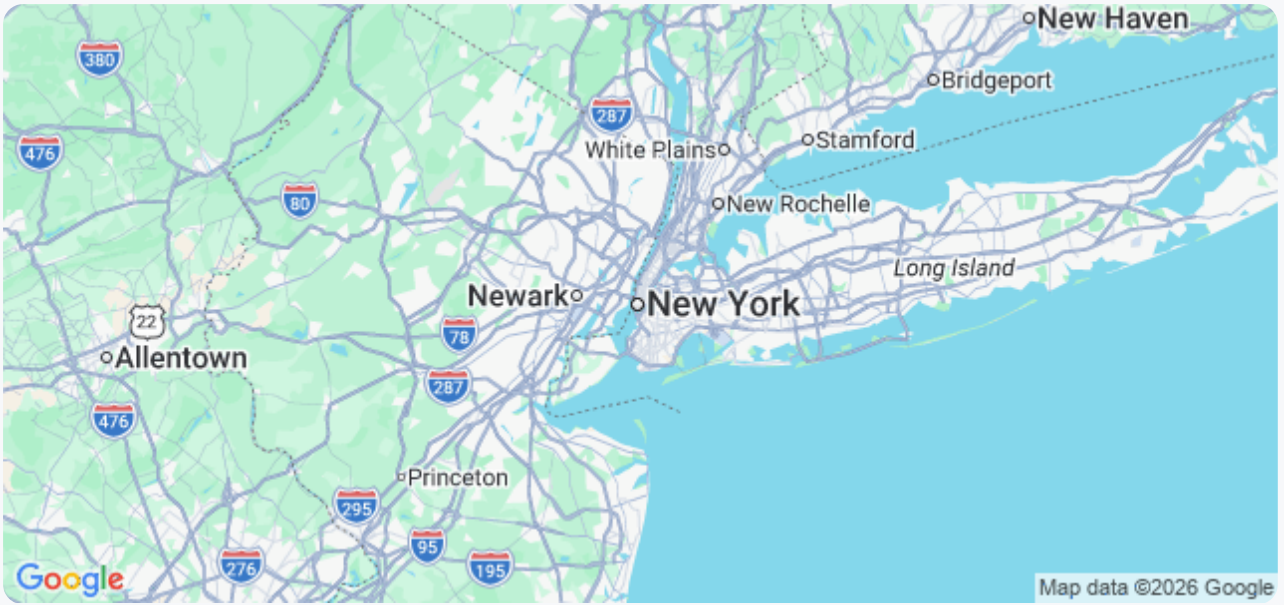
Proper vibrator placement within the concrete and monitoring of vibration characteristics.

### **Number of Vibrators Used**

Enter a number...

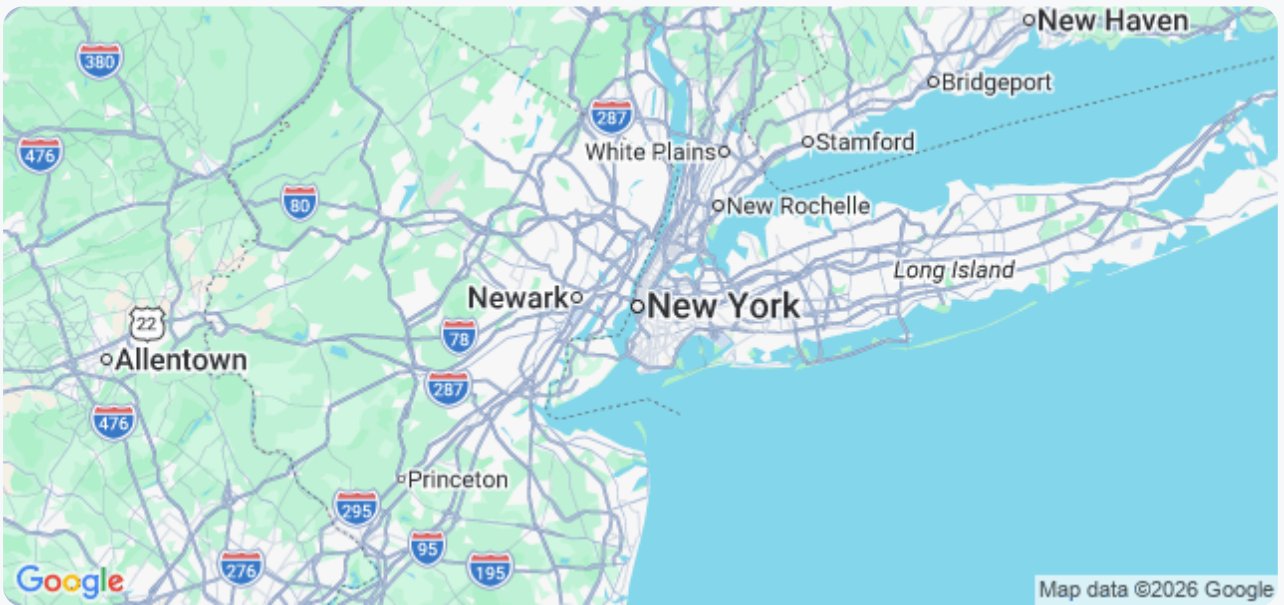
## Vibrator Location 1 (GPS Coordinates)

[📍 Set My Current Location](#)



## Vibrator Location 2 (GPS Coordinates)

[📍 Set My Current Location](#)



### Vibration Frequency (Hz)

Enter a number...

### Amplitude Setting (if adjustable)

Enter a number...

### Vibrator Contact Method

- Direct
- Through Plywood
- Through Formwork
- Other (Specify)

### Notes on Vibrator Positioning and Justification

Write something...

### Start Time of Vibration (per location)

Enter time...

### End Time of Vibration (per location)

Enter time...

## Concrete Consolidation

Observation of concrete consolidation behavior and adjustments made during vibration.

### Concrete Slump (inches)

- < 3
- 3 - 4
- 4 - 5
- 5 - 6
- > 6

### Number of Vibrator Passes per Location

Enter a number...

### Observations of Concrete Surface During Vibration

Write something...

### Surface Bleeding Observed?

- Yes
- No

### Describe any Segregation Observed (if applicable)

Write something...

### Concrete Appearance After Vibration

- Smooth & Honeycombed
- Smooth & Uniform
- Slightly Rough
- Rough and Uneven

### Time (minutes) of Vibration per Location

Enter a number...

## Post-Vibration Assessment

Evaluation of the concrete surface and identifying any potential issues after vibration.

### Surface Appearance - Is the concrete surface smooth and free of honeycombing?

- Yes
- No
- Unsure

**Surface Void Depth (if any):**

Enter a number...

**Detailed description of surface conditions (e.g., visible voids, air pockets, texture):**

Write something...

**Air Entrapment – Are there any signs of excessive air entrapment?**

Yes

No

Unsure

**Note any corrective actions taken after vibration (e.g., additional finishing):**

Write something...

**Bleeding - Is there excessive bleeding?**

Yes

No

Unsure

**Inspector Signature**

**Date of Inspection**

Enter date...

## Documentation & Sign-off

Record of observations, adjustments, and confirmation of successful vibration.

**Date of Vibration**

Enter date...

**Start Time of Vibration**

Enter time...

**End Time of Vibration**

Enter time...

### Duration of Vibration (minutes)

Enter a number...

### Summary of Observations & Adjustments

Write something...

### Vibration Outcome

- Satisfactory
- Requires Adjustment
- Unsatisfactory

### Concrete Technician Signature

### Vibrator Type

- Internal
- External
- Both

### Supporting Photos/Videos (Optional)

 Upload File