

## Bridge Inventory and Condition Rating System (BICRS)

**Prelims** - *Current events of national and international importance; Economic and Social Development.*

**Mains (GS IV)** - *Infrastructure: Energy, Ports, Roads, Airports, Railways etc.*

### Why in News?

- **Launched by** - National Highways Authority of India (NHAI).
- It is a ranking mechanism ***to rate NHAI's infrastructure assets*** to determine their structural safety and look for remedial measures for their upkeep and regular monitoring.

***National Highway Authority of India** was set up NHAI Act, 1988 to provide for the constitution of an Authority for the development, maintenance and management of national highways and for matter connected therewith.*

- **Aim** - To prepare a unified repository of all its structures, and each property will be assigned a union assessment identification number.
- **Development** - Based on input from its design division to ensure the systematic management and safety of infrastructure assets.
- **Mandate** - Comprehensive documentation, assessment, and inspection of bridges twice a year.
- **Key features** - Systematic evaluation of health based on predetermined rating parameters.
- Identification of structures that require immediate remedial measures, including the imposition of traffic restrictions or suspension of heavy vehicle traffic.
- **Functions** - It will record comprehensive structural specifications, geographical coordinates, AS-IS drawings, and other related documentation.

***AS-IS** is documentation of the measurements and elements of an existing building.*

- This data is used in the context of renovation.
- **Implementation** - The engineers will record structural specifications and details of all projects, and the first inspection of structures must be completed before the monsoon.
- The project director will cross-check the data prepared by the engineers during their monthly inspections and make observations if discrepancies are found in records and

the physical state.

- **Importance** - It ensures *systematic management and safety of infrastructure assets*.

## Reference

[The New Indian Express| Launch of Bridge Inventory and Condition Rating System \(BICRS\)](#)

