



# Construction Method for Fast track erection of Skew Steel Truss Bridge in ALEP Package -2

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# Introduction



- Infrastructure sector plays a major role in propelling the overall development of any nation.
- The timely completion of major infrastructure projects has become crucial for sustaining economic growth.
- The **Agra-Lucknow expressway (ALEP)** connecting two major cities, is the **longest expressway in the country.**



# Introduction: Project details

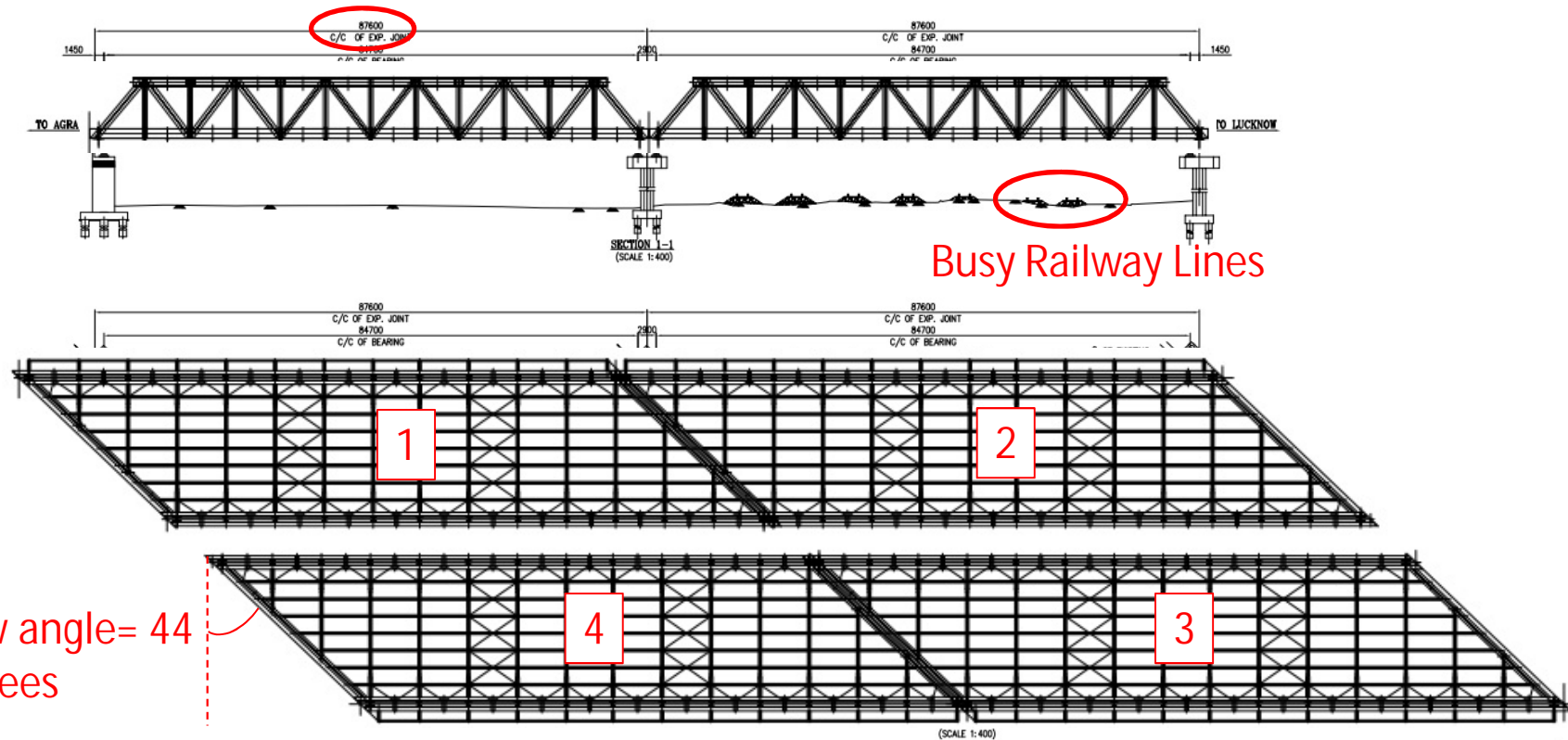


- This project costing **13,200 cr. INR** & completed in record time of **24 months** has sent up an example for other infrastructure projects in the country.
- The ALEP has cut down travel time between Agra & Lucknow from **6 hours to 3.5 hours**.
- Afcons was awarded 42% of the total ALEP project which involved many structures, some of which proposed complexity in its **design**, or **erection**, or both.
- The complexity of the structures, involved in a project, have a major impact on the time of completion of the overall project.
- One such structure that proposed complexity in design as well as **erection** was the steel ROB at chainage 67+600m.
- **This presentation covers only the erection aspect of the steel ROB.**



# Steel ROB-General Arrangement

c/c distance between piers = 87.6 m



Width =  
20.65m

Skew angle = 44  
degrees

## Site Layout

Railway authority had allowed two rail blocks of 75 minutes, each, for the erection of steel trusses 2 & 3.

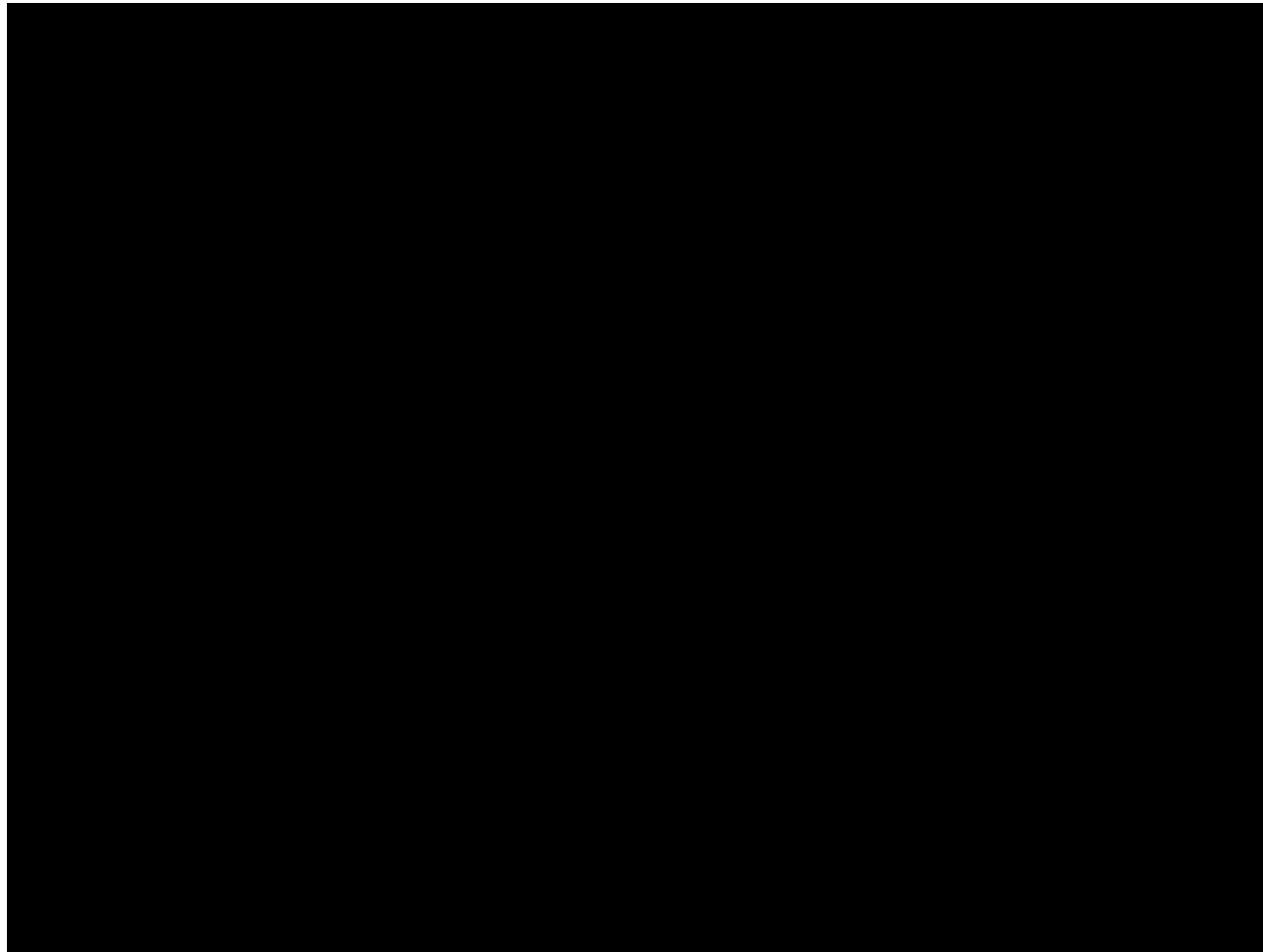
# Steel ROB erection- Push Launching methodology



[Video Link](#)



# Steel ROB Erection- Actual Site video



[Video Link](#)



# Acknowledgements



- Afcons team & management
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Thank You

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