REPARATION PROJECT

Structural Assessment of the Indiana Toll Road Bridges

Indiana

CLIENT	Indiana Toll Road, **CINTRA**
PROJECT DATE	**2006**
LOCATION	**Indiana, U.S.A.**
FIELD OF ACTION	**Bridge inspection, assessment and reparation projects**

The Indiana Toll Road is a toll road that runs for 156.28 miles (251.51 km) east–west across northern Indiana from the Illinois state line to the Ohio state line.

It serves as a critical transportation link between highways leading to major East Coast cities and northwestern Indiana, the City of Chicago, and the western U.S.

It is owned by the Indiana Finance Authority and operated by the Indiana Toll Road Concession Company, a joint-venture between Spanish Cintra Concesiones de Infraestructuras de Transporte and Australian Macquarie Atlas Roads.

The road, with two lanes in both directions, was built in 1956. It has been object to several rehabilitations and expansions.

ines
ingenieros consultores

C/ Nuñez de Balboa, 120
3D, 28006 Madrid, Spain
Tel.: +34 915237633

ines@inesingenieros.com
www.ines.es/en

Structural Assessment of the Indiana Toll Road Bridges

Indiana

Within the operation contract, which finalizes in 2081, the operator is obliged to widen the road from 2+2 to 3+3 lanes in a total of 6.7 miles (10.6 km).

Initially, the operator had the intention to demolish and rebuild all existing structures, according to the projects presented by the Administration.

However, after starting the operation of the highway, it was found that the demolition of all the structures was not necessary.

Therefore, works were accomplished to repair, rehabilitate and widen the required bridges.

INES Ingenieros was hired as the structures specialist Consultant to do the assessment in the different stages of the project, from the design of the preliminary studies campaign to the analysis of the construction conditions, including the analysis of the reliability of the reparation techniques, constructive process steps and their consequences to the traffic, etc.

ines
ingenieros consultores

C/ Nuñez de Balboa, 120
3D, 28006 Madrid, Spain
Tel.: +34 915237633

ines@inesingenieros.com
www.ines.es/en