MLFF

MULTI-LANE FREE-FLOW

Effortless Journeys.
Smooth Mobility.
Discover MLFF
with Metro Infrasys.

DELHI-MUMBAI EXPRESSWAY

METRO Infrasys

SCOPE
OF SUPPLY

- Road Side Unit (Gantry)
- Passive RFID System
- ANPR (Camera) System
- ATCC System
- Video Enforcement System
- Video Incident Detection System
- Video Surveillance System
- Data Acquisition System
- Backend System
- Customer Care System
- Weigh-in-Motion (Trucks)

Deduction Module

Audit Module

Detection Module

Enforcement Module

Enforcement Module

Barrier-less MLFF Gantry

Detection Module

METRO Infrasys

A visual depiction (3D) of MLFF gantry on the Amrtisar-jamnagar expressway.
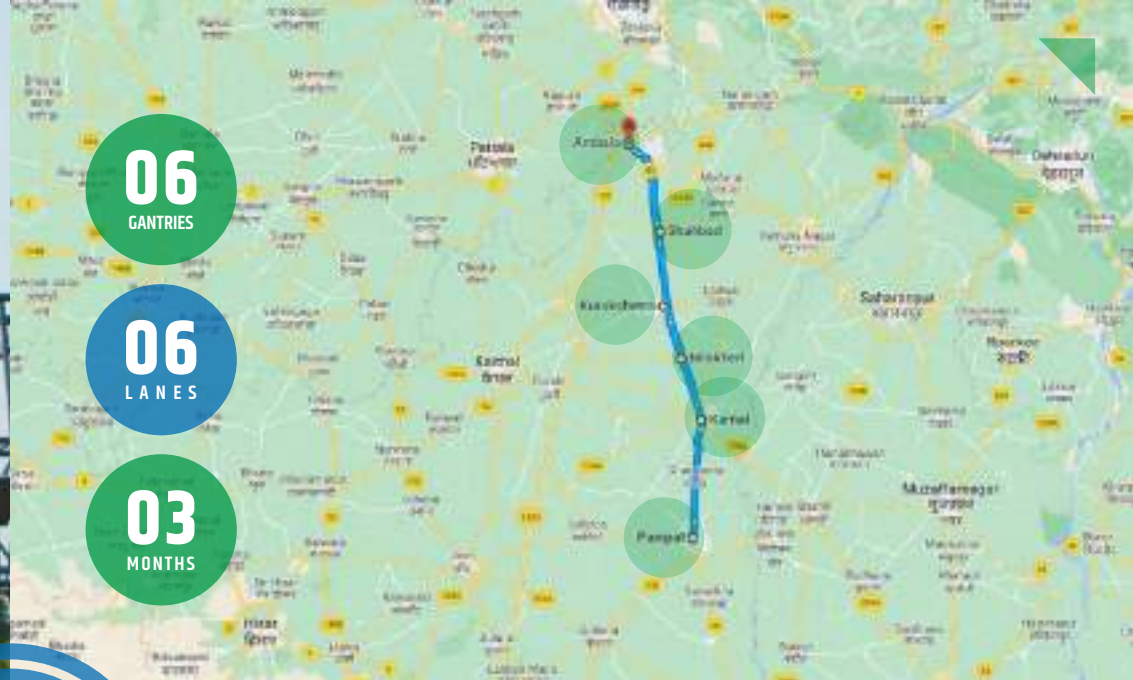
MLFF
REDEFINING
TRAVEL
UNLEASHING
FREEDOM

METRO
Infrasys

06 GANTRIES

06 LANES

03 MONTHS

VALIDATION

PILOT PROJECT STRETCH: DELHI-CHANDIGARH HIGHWAY
PANIPAT • KARNAL • NILOKHERI • KURUKSHETRA • SHAHBAD • AMBALA

Glimpses from the multi-lane free-flow (MLFF) tolling pilot trial using passive RFID and ANPR System. The trial was conducted on the Delhi-Chandigarh national highway on a design, build, and operate approach by Metro Infrasys in association with FETC and IHMCL.

Vehicle Capture Rate 99.995% (with both RFID and ANPR)

Automatic Vehicle Identification (RFID) accuracy > 99.50%

Automatic Number Plate Recognition (ANPR) accuracy > 99% (with front and rear)

Automatic Vehicle Classification (AVC) accuracy > 98%

24/7 Vehicle Enforcement System and Video Surveillance System

Conceptualize   **Design**   **Install**   **Operate**   **Maintain**

SCOPE OF SERVICES

Toll Management System

Advanced Traffic Management System

IOC | ITS on Cloud Solutions

Cellular V2X (C-V2X) Solutions

Metro Infrasys Pvt Ltd

B-92, Mayapuri Industrial Area, Phase-1,

New Delhi - 110 064, Delhi, India.

sales@metroinfrasys.com | www.metroinfrasys.com