



EXPRESS LANES
OPEN

Occupancy Detection System

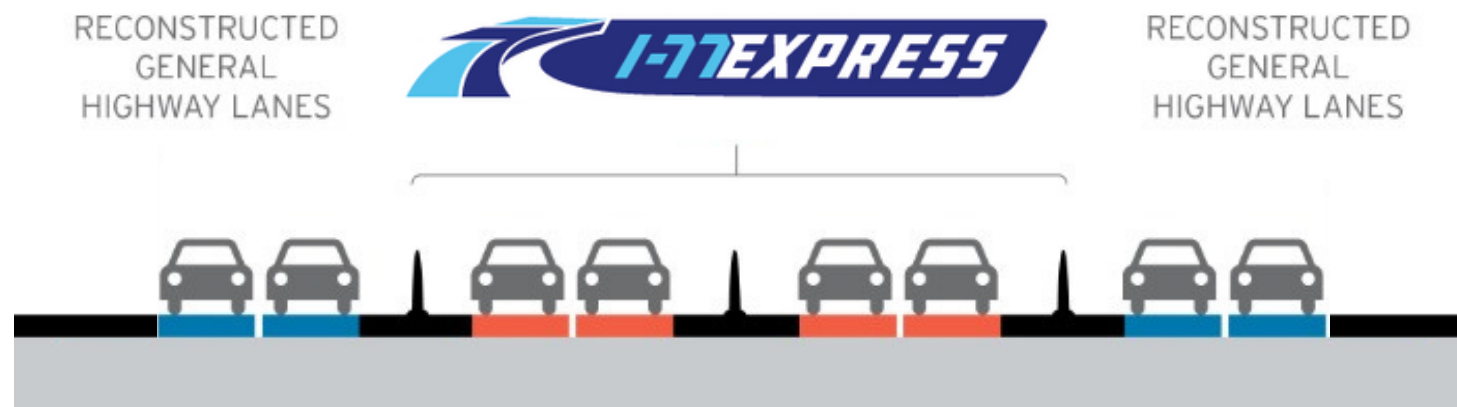
www.I77Express.com

EXPRESS LANES BENEFITS



Express Lanes are tolled lanes adjacent to existing highway lanes that add reliable travel capacity using dynamic pricing

- Provide a choice for drivers traveling on I-77 between Charlotte and Mooresville
- Ensure a minimum level of service (>48mph speeds) by managing traffic demand through dynamic pricing
- Maximize the effective capacity of a corridor by assisting with traffic flow in all lanes



DYNAMIC PRICING = RELIABLE TRAVEL



Each segment has entrance and exit points and is individually priced with rates displayed on signs ahead of every segment.

Pre-declared HOVs (3+ occupants) travel for free using the HOV3+ discount



HOV3+ PROGRAM



HOV3+ Benefits

Vehicles with 3+ occupants may use the HOV3+ discount to travel I-77 Express for **free** by pre-declaring HOV3+ status using an NC Quick Pass Flex Transponder or the NC Quick Pass app.

HOV3+ Misuse

Tolls rates and demand for the express lanes are correlated, so improper use of HOV3+ status by drivers can reduce toll lane capacity and inflate dynamic toll pricing, unfairly increasing tolls for other vehicles in the express lanes.

HOV3+ Enforcement

The occupancy detection system is a customer-friendly process to ensure fair use of the HOV3+ discount.

The system enhances current enforcement efforts to ensure reliable travel in the express lanes and fair, accurate tolling.

OCCUPANCY DETECTION SYSTEM



Cameras take photos of vehicles traveling in the express lanes and flag vehicles declaring HOV3+ status

Images of vehicles claiming HOV3+ status are reviewed by I-77 Mobility Partners to verify occupancy

If vehicles improperly declare HOV3+ status, I-77 Mobility Partners alerts misuse to NCTA

NCTA adds the appropriate toll to the vehicle's NC Quick Pass account

