

# Extended Lanes and Lane Markings

## Description

- Extended Lanes and Lane Markings are lane attributes that enable advanced navigation and ADAS use cases, including but not limited to turning at complex intersections, lane changing, and lane keep assist functionality
- In combination with Junction Visuals and Phonetic Transcriptions, the product enables advanced lane guidance with voice, text and/or visual cues to the driver

## Data Features

- Extended Lanes content includes:
  - Number of lanes: indicating the total number of lanes along a stretch of road, including turn lanes and exit lanes
  - Lane connectivity: how lanes are connected between origin and destination road elements
  - Lane restrictions: what restrictions apply to certain lanes in terms of time and usage

- Lane type: based on how the lane is used in reality – acceleration/deceleration lane, drivable shoulder lane, turn lane, bicycle lane etc.
- Lane Markings content includes:
  - Appearance and type of lane separators between lanes
  - Type of separator for center dividers on two-way roads
  - Arrow direction shown on a sign or by road markings for a specific lane

## Availability

- Commercially available

## Format

- Available in the following formats: GDF, RDF, NAVSTREETS and File Geodatabase (FGDB)

## Coverage

- More than 1,200 cities in 70 countries and territories globally