



## LIS\_02: Promote, extend services and prioritise PT

### Activities towards demonstration

#### Preliminary works

##### LIS\_02\_01: Enforcing the exclusive use of bus lanes by PT vehicles

- Finalization of the contracting/procurement process with the BUS lane enforcement system provider
- Purchasing of equipment

##### LIS\_02\_02: Analysis of PT network enhancement opportunities

N/A

#### Deployment and integration

##### LIS\_02\_01: Enforcing the exclusive use of bus lanes by PT vehicles

- Installation of the cameras in 2 CARRIS buses
- Platform access and IT systems integration
- Training session
- Testing of the platform under a controlled environment (i.e. depot and test-routes)
- Selection of priority corridors or routes to monitor

##### LIS\_02\_02: Analysis of PT network enhancement opportunities

Collection of operations and incident data:

- Historical data: line commercial speed, reliability, interruptions; transported passengers
- Internally reported service interruptions with geo-location, incident categorization, affected services/lines and calculated impacts on operational performance
- External data regarding road congestion, accidents and obstructions at the reported locations and periods

#### Demonstration activities

##### LIS\_02\_01: Enforcing the exclusive use of bus lanes by PT vehicles

- Test deployment and assignment of the equipped vehicles to the selected corridors
- Validation of the detection algorithms, through the comparison of system-identified infractions with the driver-reported incidents
- Data collection: Throughout the whole demonstration period, data will be collected on the automatically detected infractions and those reported by the operations management, as well as any issues found during the utilization. This will enable assessing the system's accuracy and reliability.

Report describing the outputs of the pilot tests

Presentation of the results to the National Road Safety Authority, and other relevant stakeholders

LIS\_02\_02: Analysis of PT network enhancement opportunities

Report describing the main findings of the analysis

Development of recommendations for future BUS Corridor developments

Delivery of preliminary findings and final report and recommendations to the Lisbon Municipality

Data collection: collection of accidents and incidents; collection of line commercial speed and reliability

**Timeline for implementation and demonstration (When?)**

UPPER	Jul-2024	Aug-2024	Sep-2024	Oct-2024	Nov-2024	Dec-2024	Jan-2025	Feb-2025	Mar-2025	Apr-2025	May-2025	Jun-2025	Jul-2025	Aug-2025	Sep-2025	Oct-2025	Nov-2025	Dec-2025	Jan-2026	Feb-2026	Mar-2026	Apr-2026	May-2026	Jun-2026	Jul-2026	Aug-2026	Sep-2026	Oct-2026	Nov-2026	Dec-2026		
<b>General planning for LIS_02</b>	[Active]																															
<b>Preliminary works</b>	[Active]																															
LIS_02_01 BUS lane enforcement	[Active]																															
• Camera system purchase	[Active]																															
<b>Deployment and integration</b>	[Active]																															
LIS_02_01 BUS lane enforcement	[Active]																															
• Camera installation	[Active]																															
• Platform access & IT integration	[Active]																															
• Training sessions	[Active]																															
• Pre-test of the system	[Active]																															
• Corridor selection	[Active]																															
LIS_02_02 Study on PT performance	[Active]																															
• Historical data collection	[Active]																															
<b>Demonstration activities</b>	[Active]																															
LIS_02_01 BUS lane enforcement	[Active]																															
• Pilot tests	[Active]																															
• Enforcement system validation	[Active]																															
• Report on system accuracy	[Active]																															
• Presentation of results to authority	[Active]																															
• Data collection	[Active]																															
LIS_02_02 Study on PT performance	[Active]																															
• Report on findings	[Active]																															
• New BUS lane recommendations	[Active]																															
• Deliveries to municipality	[Active]																															
• Data collection	[Active]																															
<b>Results evaluation</b>	[Active]																														D6.3	