



# 52nd ASECAP DAYS

Challenges of Future  
Mobility | The Role of Road  
Infrastructure

Organized by



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26 - 28 May 2025 | Madrid  
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# TRAMAS

AUTOMATIC TRAFFIC MANAGEMENT SYSTEM

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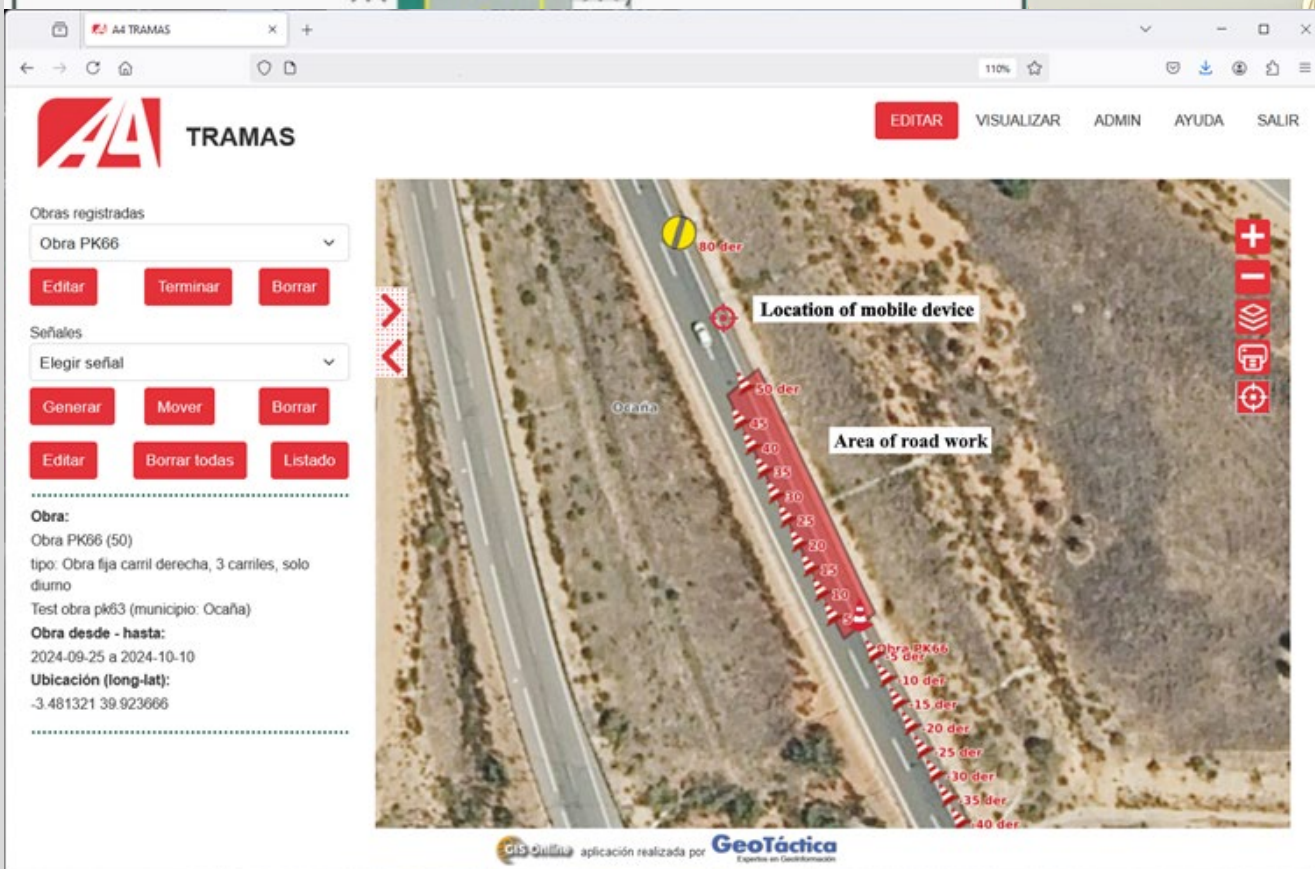
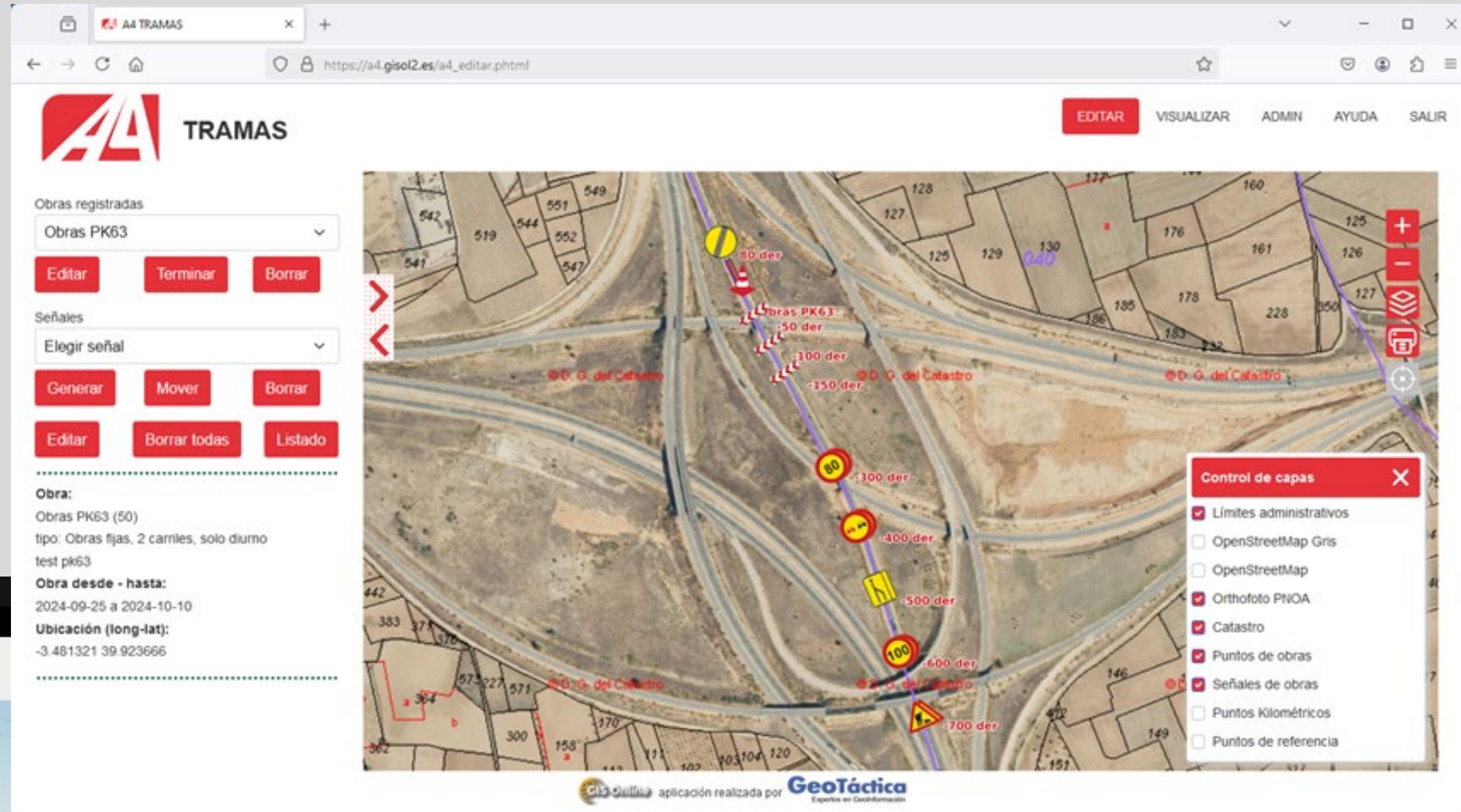
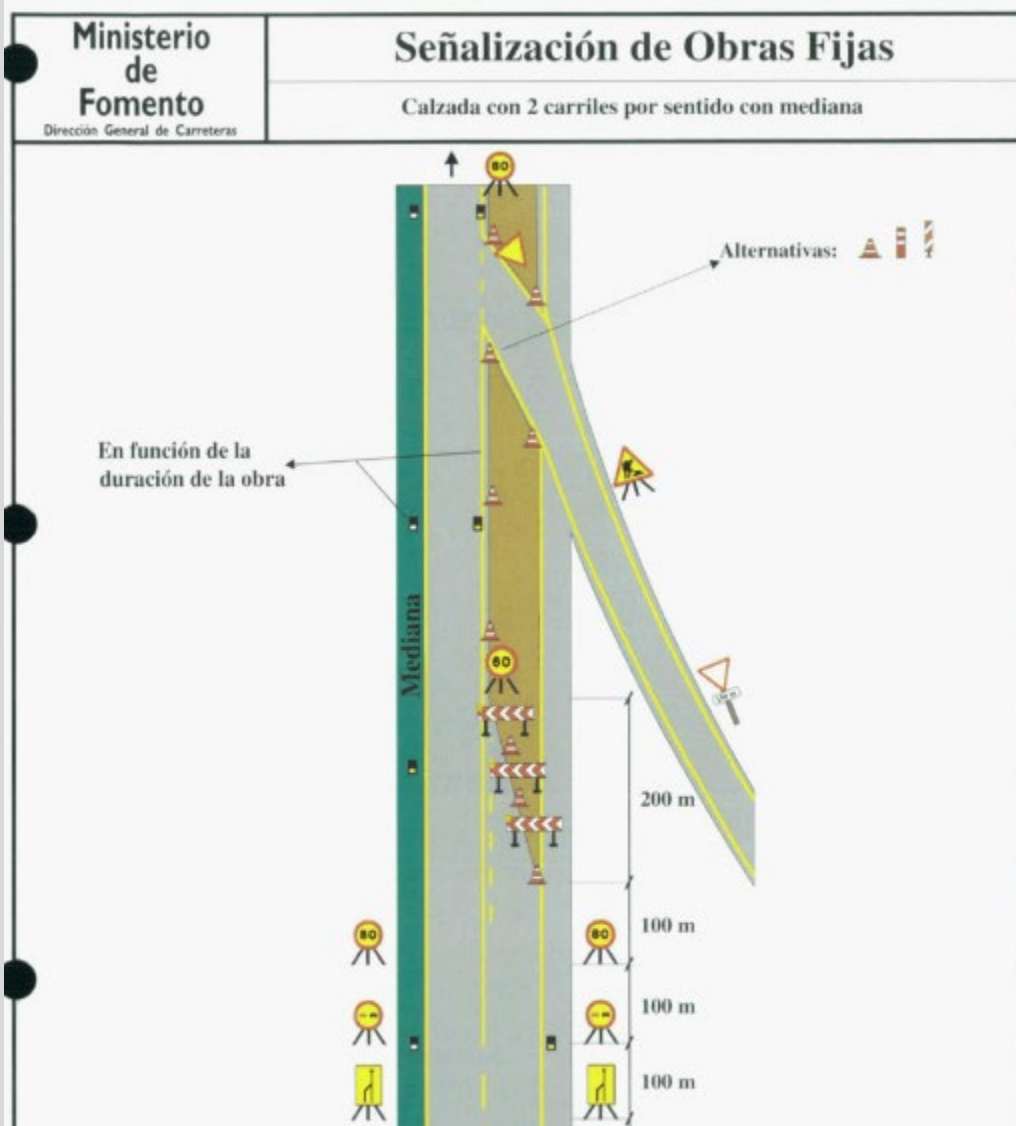
CARLOS URSUA

SOCIEDAD CONCESIONARIA A-4 MADRID

**ROADIS**  
**INNOVATION**  
TOGETHER, DESIGNING THE FUTURE

**Conelsan**





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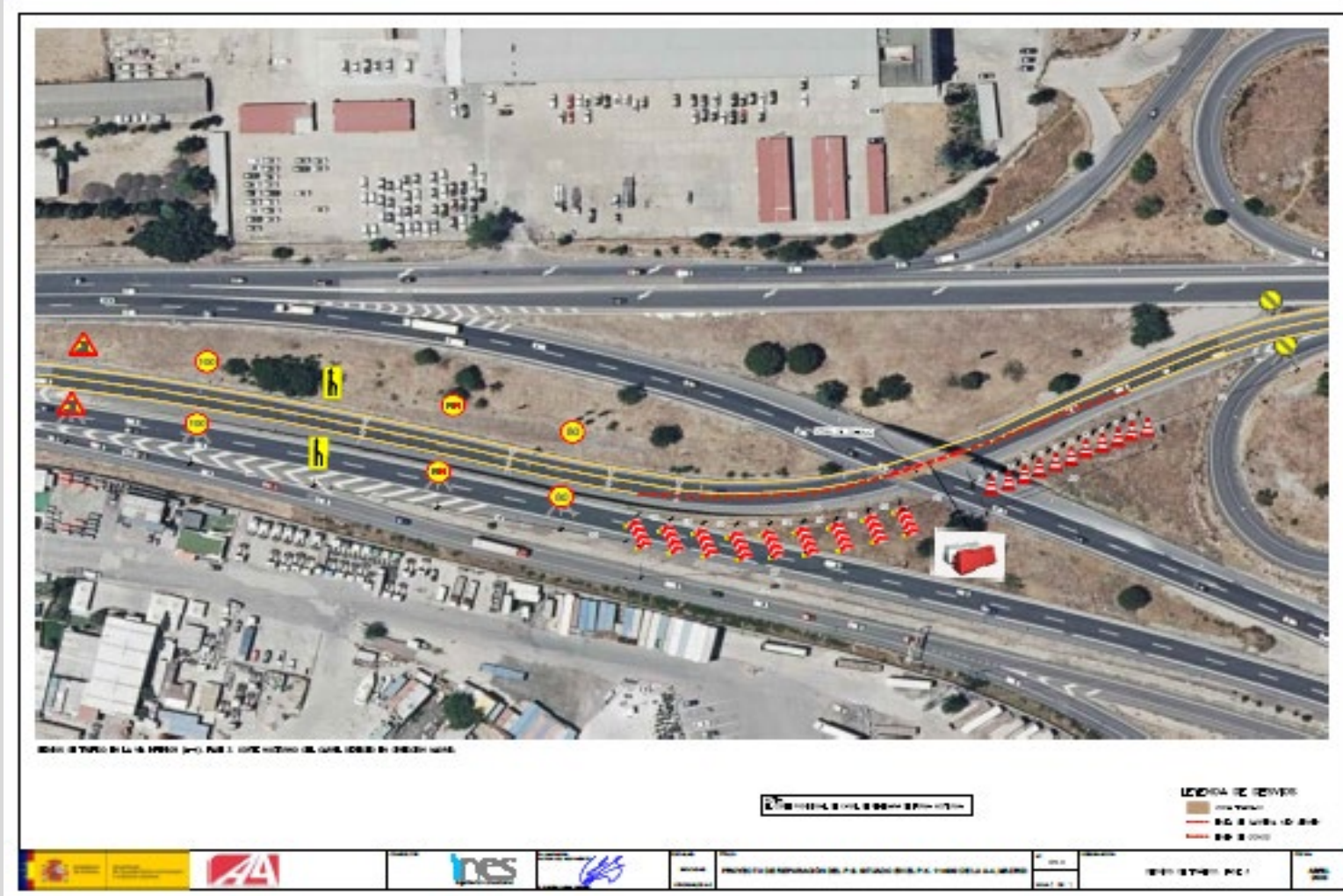
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## SCHEDULED WORKS

- PLANNED WORKS WELL IN ADVANCE
- CAREFULLY DESIGNED BY AN EXPERT CONSULTANT
- FORMALLY DRAFTED AND DIGITALLY AVAILABLE
- REVIEWED AND APPROVED BY ROAD ADMINISTRATION UNIT
- PLANNED EXECUTION UNDER CONTROL AND SUPERVISION. TOP HEALTH & SAFETY REQUIREMENTS
- RECORDS KEPT. ACCOUNTABILITY CLEAR



## UNSCHEDULED WORKS

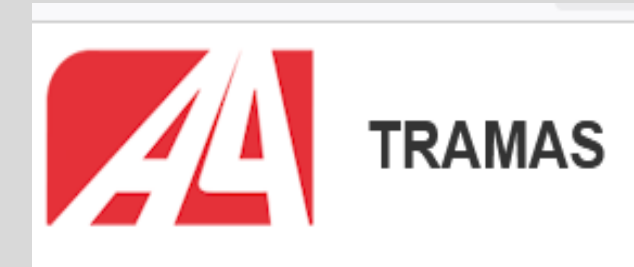
- UNEXPECTED EVENTS: ACCIDENTES/INCIDENTS, EXTREME WEATHER
- URGENT TRAFFIC DIVERSIONS TO BE UNDERTAKEN
- TO BE EXECUTED WITH AVAILABLE RESOURCES UNDER CRITICAL CONDITIONS
- NO REAL DRAFT OR DESIGN AVAILABLE (APART FROM GENERIC ONES)
- MINIMUM REVIEW AND CONTROL. EXECUTED UNDER RATHER RISKY CONDITIONS IN TERMS OF HEALTH AND SAFETY
- NO RECORDS. ACCOUNTABILITY UNCLEAR





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- AUTOMATIC LAY OUT DESIGN SUBJECT TO: EXACT HIGHWAYS LOCATION & NUMBER LANES TO DIVERT (AVAILABLE ALSO MANUAL DESIGN). REMOTELY DONE
- DIGITAL GEOLOCATED DISPLAY AND SIGNS & MATERIALS QUANTITY LIST AVAILABLE
- REAL TIME SHARED LAY OUT VIA INTERNET (ON SITE TABLETS & VEHICLE SCREENS) WITH ON-SITE TEAMS. REDUCED EXPOSURE, COMPLIANCE.
- HISTORICAL TRACKS AND RECORDS AVAILABLE FOR KEEPING AND AUDITING. ACCOUNTABILITY
- TRAFFIC DIVERSIONS READY FOR SHARING WITH TRAFFIC AUTHORITIES & APPS









**#(S)heWorks**  
**#ICare**

Safety is in yours hands, be safe together !





# ***ASECAP DAYS***



## **MADRID 2025**

# Thank You Carlos Ursua

## Contact Us



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