

EUROPEAN ROAD SAFETY PROJECT IN THE AS-19 MAIN ROAD







del Territorio e Infraestructuras









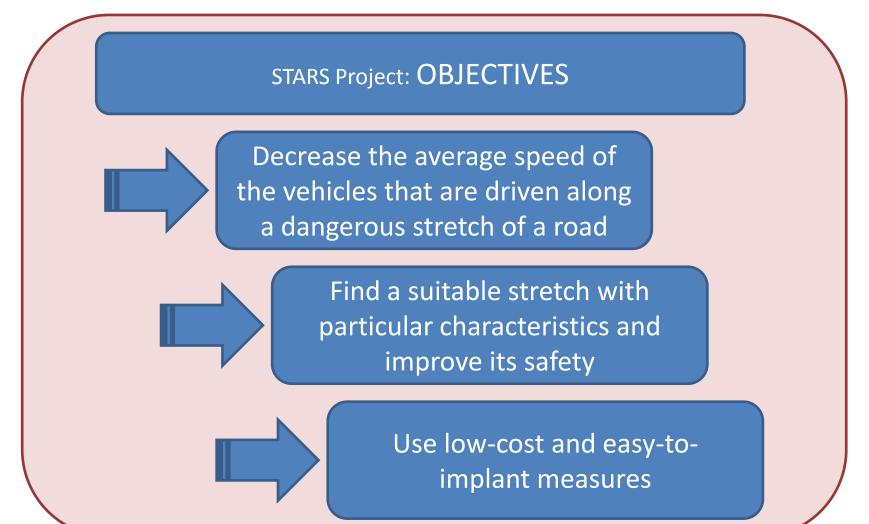
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1. Introduction







2. CHOOSING THE LOCATION



Statistical study (Jan 2000 – Dec 2009)

- 6 Main Roads
- 215 km

352 accidents with casualties in 10 years in 21 km.

- •21 mortal victims
- 96 seriously injured
- 436 slightly injured
- <u>553 total casualties</u>



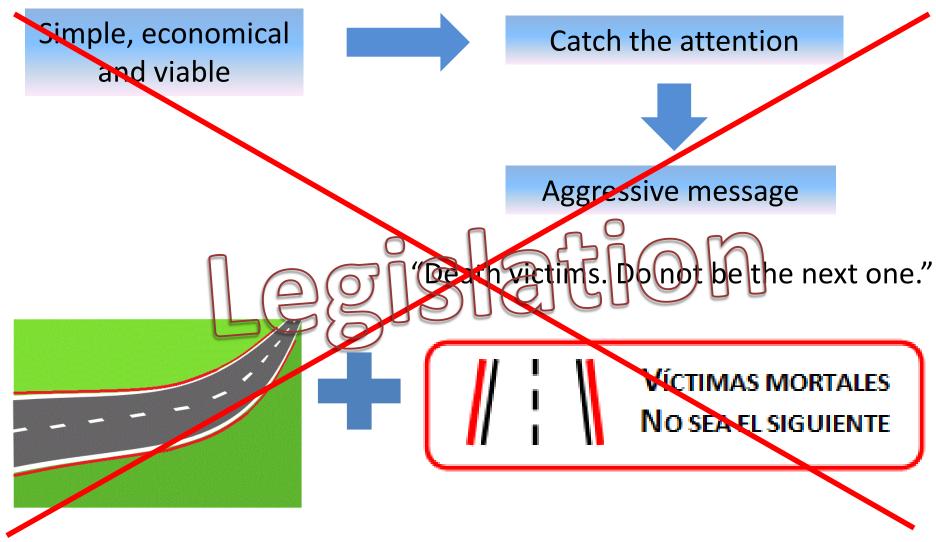
AS-19 Main Road

Most accidents per kilometre













PROPOSAL IN THE JUNCTION BETWEEN TWO STRAIGHTS

- Characteristics:
 - Opened curve joining two long straights.
 - Junction with poor visibility.

- Proposal:
 - Transversal white lines.
 - Yellow flashing lights.









PROPOSAL IN THE STRETCH OF STRAIGHTS

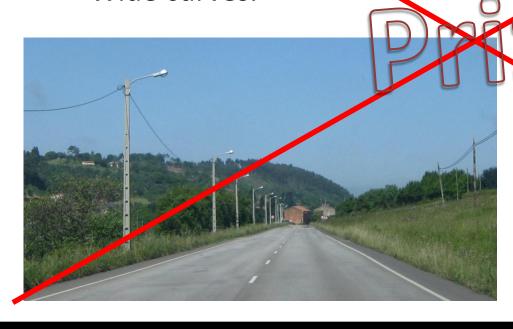
- Characteristics:
 - Three long straights.
 - Series of slopes.

• Wide curves.



- Return arrows.
- Speed camera.
- Driver feedback sign.









PROPOSAL IN THE FALMURIA INDUSTRIAL ESTATE JUNCTION

- Heavy traffic flow.
- Limited visibility.
- •Two bus stops in the junction.



Speed and distraction were the main contributory factors leading to collisions.















- The dangerous junction sign was unnoticed by many drivers.
- No speed limit. The maximum speed was the generic 90 km/h.

- Placing the high visibility panels and transversal white lines.
- Calculation of the maximum speed suitable to the stretch conditions.







- Before carrying out the campaign, the drivers suddenly find the junction and the bus stops.

- The drivers are now warned about the proximity to a dangerous stretch with certain anticipation.









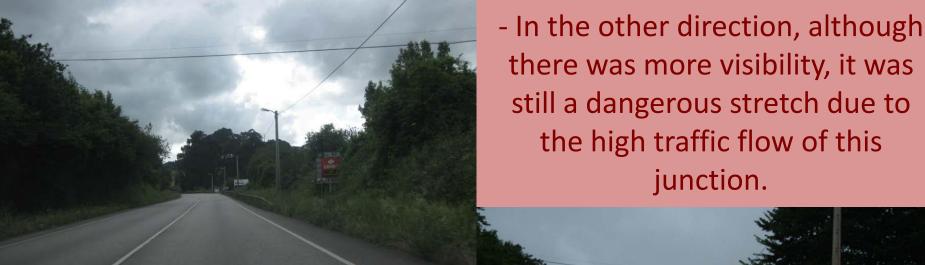




- The actions were focused to improve the safety on the way from Avilés to Gijón.



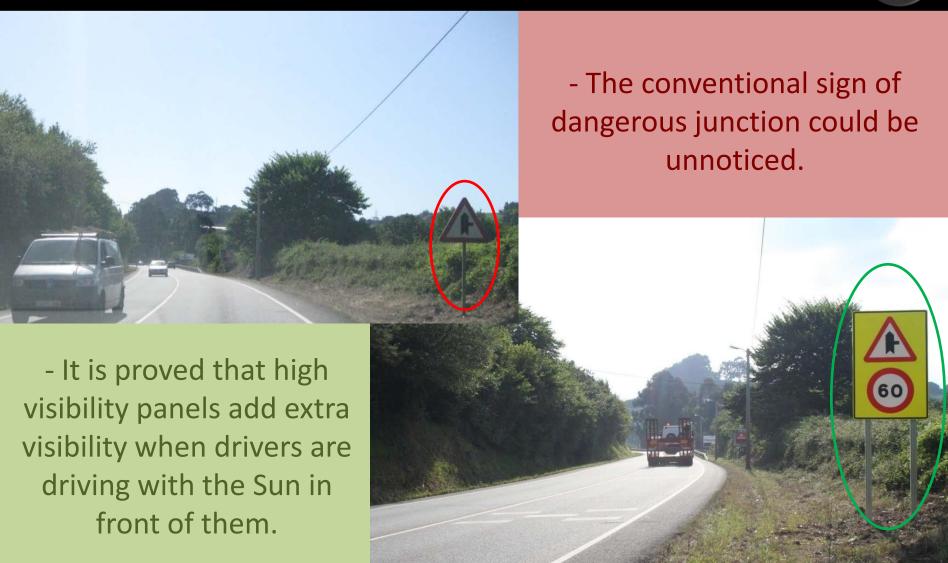




- The same actions have been carried out, with the only exception that there have been placed barrier studs instead of the delineators.

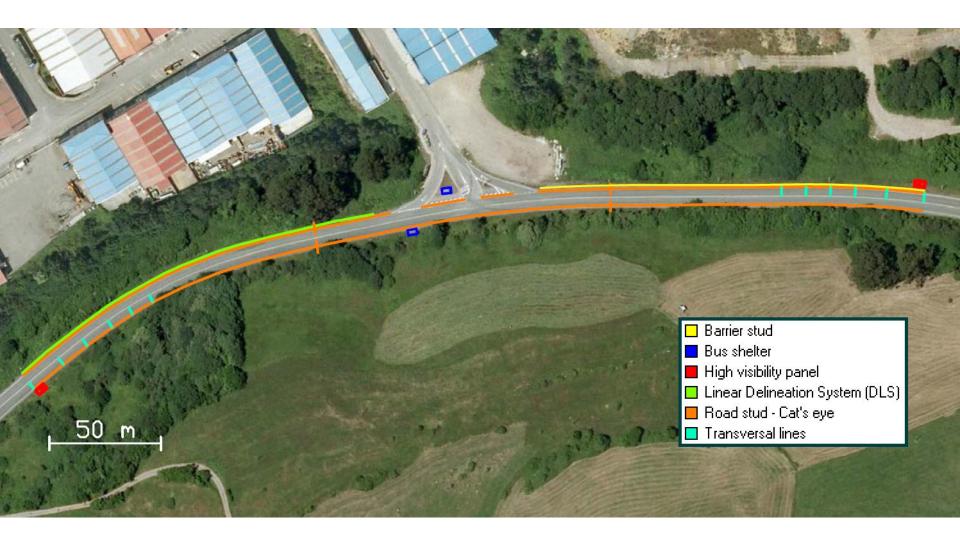














5. EVALUATION OF THE PROJECT



Speed Measurements

- 30th June 5th July (2011): Measurements before the campaign.
- 6th July 11th July (2011):
 Measurements after the first set of actions.
- 11th July 18th July (2011):
 Measurements after the campaign.
- 12th January 23rd January (2012):

Measurements 6 months after the campaign.

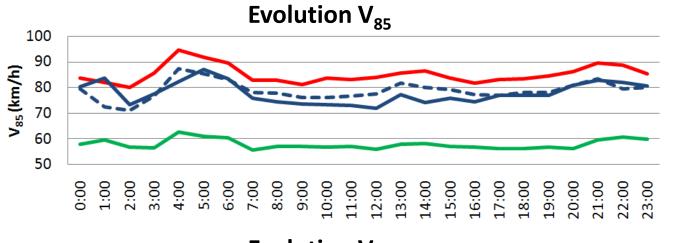


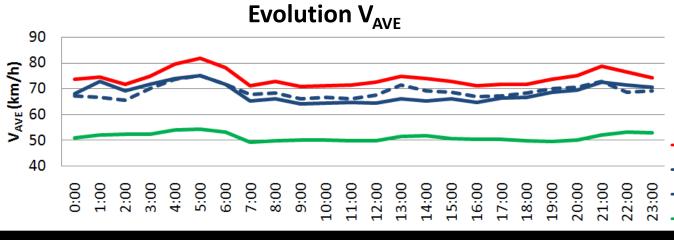


5. EVALUATION OF THE PROJECT









Speed reduction	
After the first actions	
V ₈₅	7,0%
\mathbf{V}_{AVE}	6,8%
After placing the sign	
V ₈₅	2,4%
\mathbf{V}_{AVE}	2,4%
TOTAL with the campaign	
V ₈₅	9,2%
\mathbf{V}_{AVE}	9,1%
TOTAL after 6 months	
V ₈₅	33,0%
\mathbf{V}_{AVE}	31,2%
V _{AVE} TOTAL with t V ₈₅ V _{AVE} TOTAL afte V ₈₅	2,4% the campaign 9,2% 9,1% r 6 months 33,0%

Before the campaign (12425 vehicles)

After first set of actions (9724 vehicles)

After the campaign (10398 vehicles)

6 months after the campaign (17760 vehicles)

STARS PROJECT

FEBRUARY 2012



5. EVALUATION OF THE PROJECT





0

6 months **before** the campaign

- 4 accidents
 - 6 vehicles
- 6 slightly injured
- 1 seriously injured

6 months **after** the campaign

- 1 accident
 - 1 vehicle
- 0 injuries



6. COMMUNICATION ACTIVITIES





Impact in the media

Facebook webpage





C/. Asturias, 11 Entlo. D. 33004 OVIEDO Tlf. 985 241 410 Fax 985 273 720 coiial@coiial.es www.coiial.es

Oviedo, 1 de julio de 2011

Asunto: Proyecto Seguridad Vial Europeo

Estimado/a compañero/a:

En relación con este Proyecto, uno de nuestros compañeros participa en una candidatura española que se presenta al Consejo Europeo de Seguridad en los Transportes.

Una de las actuaciones que se llevan cabo en la modificación de un cruce peligroso detectado tras un estudio estadístico en la carretera AS-19 (Gijón-Avilés).

Si quieres informarte de la campaña puedes acudir al siguiente enlace:

http://www.facebook.com/pages/Apoya-este-Proyecto-Europeo-de-Seguridad-Vial/153603428044075

Official Superior
Industrial
Engineers
Association of
Asturias and León



7. MID-TERM EVALUATION VISIT



20th May, 2011: Mid-Term evaluation visit

- Visit to the road.
- Advice about how to reopen the contacts.

9th June, 2011: PRAISE International Seminar

- Meeting with the Asturian Head of Road Safety.
- Agreement to carry out the project.





8. PARTNERS





Consejería de Medio Ambiente, Ordenación del Territorio e Infraestructuras

- Technical advice
- Data
- Contacts with other partners





- Labour
- Signs
- **Painting**





- as necesarias para anciar los cantafaros a la





D. JOSE LUIS GONZALEZ RODRIGUEZ

3M España

- Reflective materials:
 - **Road Studs**
 - LDS



vial que están llevando a cabo Alberto Martínez Rodríguez (Licenciado en Ingr ndustrial) y Claudia Alonso Camón (Diplomada en Turismo).

fina de estas áreas es la de la seguridad vial. El compromiso de 3M de hacer una arretera más segura ha dado como resultado el constante desarrollo de nuevos erretra mes seguir a na auto como resultado e consomie reservoir concordo.

rocolados, tendroglas y estamas, por exo, durante més de 60 años, 33M ha estado a o cabeza de la investigación en láminas y tecnologías retrorreflectantes. Además, en M tenemos un compromiso de calidad con nuestros productos. Utilizamos la abricación y los equipos de control más avanzados para asegurar la idonaidad de

Amerity Calacita, a travels del proyecto SIARIS, buscan reducir la viscolata y sumertar la seguinda de una infrasecuero espociamiente plegiona de la carretar AS-10. Esta instrucción se canceturas por el tratico denes y una baja visibilidad. Esta iniciata ha pareción uny infraresante a muesta empresa y y por eles motivo, no hemos compromietos a partidopi en ella, aportando el material incessario para lavelata a calco Pare ello. 31,4 uninistante literario retrorrefictentes Cales 2 Diamord Carden para las correspondientes serlatas de tratico, capitatros para el parimento Senie 200 y capitatros LOS para se coliccadion en la seriera medidica.

Sin otro particular, les saluda atentamente





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