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BUENAS PRÁCTICAS
Actuaciones Cofinanciadas

**PAVEMENT IMPROVEMENT AND STRENGTHENING
IN THE A-6052 ROAD**
Ministry of Development, Infrastructure
and Spatial Planning

**Programa Operativo
de Andalucía**

Año 2019

Fondo Europeo de Desarrollo Regional

PAVEMENT IMPROVEMENT AND STRENGTHENING IN THE A-6052 ROAD

The A-6052 road runs between the towns of Martos and Porcuna, in the province of Jaen, and belongs to the complementary regional network of Andalusia. It has a length of 32.8 kilometres, with origin in the detour of Martos, on the A-316 road (from Ubeda to the Granada-Cordoba road) and ending in Porcuna, at the intersection with the A-305 road (from Andujar to Baena). It also provides connection to the towns of Santiago de Calatrava and Higuera de Calatrava.

The action has been divided into a first section where improvements of hard shoulders have been developed by expanding their space, as well as of the drainage system prior to the reinforcement of the roadway. Also, rehabilitation and correction works of the deteriorated pavement have been carried out. In the second section, the reinforcement of the existing road has been carried out, and all vertical signage along the road has been renewed.

This project has received an ERDF support of EUR 2,499,459, an 80% of the total investment of EUR 3,124,324, which aims to reduce the average safety rate in the autonomous road network, while excluding the Trans-European Transport Network (TEN-T), to reach the value of 16.4 accidents per 100 million vehicles per kilometre in 2023, as compared to 19.3 on average between 2011 and 2013.



It is considered a Project's Good Practice since it meets the following criteria:

1. The ERDF's role has been suitably disseminated among the beneficiaries, potential beneficiaries, and the general public:

This action has been disseminated in accordance with the mandatory regulations laid down in Community legislation as it is the permanent work sign, on this occasion, in the shoulder of the A-6052 road.



In addition, the Regional Ministry of Development, Infrastructure and Spatial Planning website, whose link is published on the management authority's unique website, has disseminated information on the project and all administrative documentation during the procurement of public works, with the dissemination of ERDF co-funding:

<https://juntadeandalucia.es/organismos/fomentoinfraestructurasyordenaciondelterritorio/consejeria/sobre-consejeria/fondos-europeos.html>

Portal de la Junta de Andalucía

Temas La Junta Transparencia Servicios y trámites BOJA Andalucía Noticias

3-JA-2169-RF. MEJORA Y REFUERZO DE FIRME DE LA A-6052 DEL P.K. 0+000 AL 32+638, TT.MM. MARTOS, SANTIAGO DE CALATRAVA, HIGUERA DE CALATRAVA Y PORCUNA (JAEN).

Datos básicos

Número de expediente: 2016/000037

Título de expediente: 3-JA-2169-RF. MEJORA Y REFUERZO DE FIRME DE LA A-6052 DEL P.K. 0+000 AL 32+638, TT.MM. MARTOS, SANTIAGO DE CALATRAVA, HIGUERA DE CALATRAVA Y PORCUNA (JAEN).

Descripción: 3-JA-2169-RF. MEJORA Y REFUERZO DE FIRME DE LA A-6052 DEL P.K. 0+000 AL 32+638, TT.MM. MARTOS, SANTIAGO DE CALATRAVA, HIGUERA DE CALATRAVA Y PORCUNA (JAEN).

Órgano de contratación: Consejería de Fomento y Vivienda. Dirección General de Infraestructuras

Tipo de contrato: Obras

Procedimiento: Abierto

Clasificación CPV: 45233141 Trabajos de mantenimiento de carreteras

División por lotes: No

Lugar de tramitación: SEVILLA

Lugar de ejecución: JAE

Importes

Importe de licitación (SIN IVA): 3.201.585,86€

Importe de licitación (CON IVA): 3.994.918,89€

Valor estimado: 0,00€

Importe de adjudicación (SIN IVA): 2.582.085,57€

Importe de adjudicación (CON IVA): 3.124.323,54€

Proyecto cofinanciado por la Unión Europea

Financiado por: FEDER (Fondo Europeo de Desarrollo Regional)

Tasa de cofinanciación: 80,00

Regulación: No sujeto a regulación armonizada

Another communication action, carried out in this case by the Directorate General of European Funds, has been the dissemination of an advertising campaign or "local module", with high impact on the citizens of the region and its surroundings. This campaign consisted of a 4-page colour spread on the project, the A-6052 road, inserted within the 20 minutos paper and distributed with a special print run of 3,000 copies to all the citizens of Martos, Porcuna, Santiago de Calatrava, and Higuera de Calatrava (Jaen). Thus, on 1 October 2018, the 20 minutos paper was disseminated with this spread dedicated to the project: "A-6052, the ERDF's commitment to improve communications in Jaen".

This local module also included a radio broadcast. A total of 176 inserts were issued between 28 September and 2 October 2018 in the following stations: Cadena Ser, Cope, Onda Cero, Canal Sur Radio, Dial Campiña, and Radio Olé Campiña. Here is the link for the

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A-6052, la apuesta del FEDER por mejorar las comunicaciones en Jaén

Proyecto sostenible

Es de destacar el carácter sostenible que tuvieron los trabajos ejecutados en la A-6052. En la renovación del firme, la Junta de Andalucía utilizó un aglomerado asfáltico con betún mejorado mediante caucho procedente de polvo de neumático. El uso de este material, que ha possibilitado el reciclaje y reutilización de 240.000 neumáticos mejora la resistencia del asfalto al envejecimiento y a la acción del agua de lluvia y reduce la sonoridad del pavimento. La carretera A-6052, de Martos a Porcuna, perteneciente a la red autonómica complementaria de Andalucía, tiene una longitud de 32,6 kilómetros con su origen en la variante de Martos, en la A-316 (de Ubeda a la carretera de Granada-Córdoba) y su final en Porcuna, en la intersección con la A-305 (de Andújar a Baena). La vía tiene una afluencia de 1.030 vehículos al día, con un 5% de tráfico pesado en el tramo de mayor circulación, entre Santiago de Calatrava y Martos.

Es la renovación del firme se usa polvo de neumático

radio slot that was broadcast in different local media:

http://www.fondoseuropeosandalucia.es/radio/Carreteras_jaen.mp3

Finally, since the work on the site started, the action has been disseminated by incorporating several photographs and a brief description in the projects section of the new Directorate General of European Funds website:

<https://www.juntadeandalucia.es/economiaconocimientoempresasyuniversidad/fondoseuropeosenandalucia/proyecto/41>

2. The action incorporates innovative elements:

In the renewal of this road section, with an extension of almost 33 kilometres, an asphalt agglomerate with modified bitumen with rubber from tyre dust has been used. The use of this material, which has enabled the recycling and reuse of 240,000 tyres, improves the asphalt resistance to aging and the action of rainwater, and reduces road traffic noise. In addition, during the tendering phase of this project, environmental measures, of noise pollution reduction, the use of renewable energy and energy saving were assessed. For all this, Andalusia has been a pioneer in Spain in the promotion of the use of bituminous mixtures with disused tyres for pavement improvement.



3. Adaptation of the obtained results to the established objectives:

The main objective was to improve the safety of the A-6052 road users and the connection of the towns of Martos, Porcuna and Santiago de Calatrava, as this road has an influx of 1,030 vehicles per day, with 5% heavy traffic in the most heavily travelled section, that is, between Santiago de Calatrava and Martos. In addition, the latter town was connected to the capital exclusively by this route. Therefore, the obtained results reflect perfectly the improvement and strengthening works of the A-6052 road.

4. Resolution contribution of a regional problem or weakness:

The targeted road section showed serious deficiencies which had an impact on the connectivity and road safety of the autonomous network. With the commissioning of this A-6052 road, not only has the safety of users been improved, but the duration of commutations has also been reduced, leaving, for example, Santiago de Calatrava just 30 minutes from the capital of Jaen. This improvement in safety and the decrease in commuting times has implied that, in less than a year, new companies have been set up in this town, and some of the existing ones have been able to increase their business scope of action by enhancing the strategic role of this town, halfway between Jaen, Cordoba, and Granada.

5. High target population coverage:

The capital of Jaen has a population of about 115,000 inhabitants, and the three populations that, through the A-6052, are connected to each other and with the capital amount to about 90,000 inhabitants. Thus, the population directly benefiting from the implementation of this renewed road exceeds 200,000 inhabitants.

In addition, the citizen interest in this project has been enormous due to the concern of those neighbours with teenage children who are in 3rd and 4th courses of Secondary Education and have to travel daily to Martos. Before the road improvements, the parents were not able to be calm until the bus arrived back due to the poor state of the road.

6. The horizontal criteria for equal opportunities and non-discrimination, environmental sustainability and/or social responsibility have been taken into account:

This project protects citizens as users and as transport service providers, both in terms of consumer and safety, annually promoting the celebration of the Day of Road Safety with the publication of annual figures, thus allowing to increase the sensitivity and encouragement of the growth of Good Practices.

In addition, the use of greener and more sustainable asphalt by reducing energy and natural resources consumption while emitting fewer greenhouse gases, and the consumption of recycled materials and the inclusion of sustainability criteria in infrastructures is already a reality in Andalusia. The administration of Andalusia openly advocates for the implementation of green public procurement and innovative public procurement programmes, as well as the practical application of the circular economy concept.

7. Synergies with other public intervention policies or instruments:

The Regional Government of Andalusia has agreed to approve the revision of the Infrastructure Plan for Transport Sustainability in Andalusia (hereinafter PISTA 2020). This Plan is formulated as a revision of PISTA 2007-2013, constituting the strategic and coordination instrument of sectoral policies on Andalusian transport infrastructures.

It also has synergies with the Global Plan for the 2011–2020 Decade of Action for Road Safety, which includes a system that aims to develop safer infrastructures that take into account the vulnerability of the human body, guaranteeing the fewest possible accidents and causing the least number of serious injuries.



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