Glasdon

Focus on

REDUCING TRAFFIC MAINTENANCE COSTS FOR CITY AND COUNTY OF SWANSEA

CITY AND COUNTY OF SWANSEA • DINAS A SIR ABERTAWE •

Problem Identified

Swansea is situated on the South Wales coast and has a population of approximately 223,500. The City and County of Swansea is committed to road safety as set out by the Department for Transport's targets of reducing road casualties by 2010. This is supported by the Welsh Assembly Government's Road Safety Strategy for Wales published in January 2003 which sets out a specific action programme for Unitary Authorities in Wales.

In October 2004, Swansea Council completed a traffic calming scheme in Penclawdd, near Swansea which included a series of pedestrian refuges and traffic islands with conventional, base lit illuminated keep left bollards. Within the first year of being installed, there were several incidents reported of vandalism and other damage to the bollards, which were becoming too expensive to replace on a regular basis. An alternative solution was needed that would retain the pedestrian refuges, but keep ongoing maintenance costs to a minimum.

Solution

Following an informal meeting at Traffex 2005 and several discussions, a specially trained Glasdon representative demonstrated the Rebound Signmaster™ bollard. Rebound Signmaster bollard has numerous user benefits including:-

Maximum Reflectivity and Visibility – The retroreflective panels are curved to increase visibility when viewed from wide angles. The Diamond Grade VIP (visual impact performance) Fluorescent yellow Retroreflective Material is very conspicuous through daylight hours and is highly reflective at night time. No electrical illumination is required.

Passively Safe, to help save a life – Manufactured in passively safe Impactapol® material, which will help prevent or reduce the severity of personal injury, in the event of vehicle impact. Rebound Signmaster bollard has successfully passed BS EN 12767:2000 (passive safety of support structures for road equipment).

In April 2005, the Welsh Assembly Government gave special authorisation for the Rebound Signmaster bollard to be trialled at two sites on existing pedestrian refuges, relaxing the requirement that the bollard be backed up by a conventional directly lit 'Keep Left' sign.

Resulting Benefits

Over the last two years, since Rebound Signmaster has been installed, the trials have proven to be very successful. The bollards have been hit several times, but have remained in place, thereby saving on expensive maintenance and replacement costs. Rebound Signmaster has proven to be weather and vandal resistant and cost-effective, with no calls to the maintenance department in two years! With continued support from the Welsh Assembly Government, the City and County of Swansea intend to continue to use Rebound Signmaster at sites within the area.

What the Customer Says

"The City and County of Swansea like many local authorities are always looking for innovative ways to reduce road casualties. We are currently using various products and initiatives to enhance road safety but at the same time keep life-long costs to a minimum. The Glasdon Signmaster bollard has proved to be an all-round 'best value for road safety and best value for money product'."

Jeff Green, County Road Safety Officer at City and County of Swansea.

We are grateful to City and County of Swansea for the kind help given in the production of this case study.

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Ffocws ar

LLEIHAU COSTAU CYNNAL A CHADW TRAFFIG DINAS A SIR ABERTAWE

CITY AND COUNTY OF SWANSEA • DINAS A SIR ABERTAWE

Nodi'r Broblem

Mae Abertawe ar arfordir de Cymru, gyda phoblogaeth oddeutu 223,500. Mae Dinas a Sir Abertawe yn ymroddedig i ddiogelwch ffyrdd, fel a nodwyd yn nhargedau'r Adran Trafnidiaeth i leihau damweiniau ffyrdd erbyn 2010. Ategir hyn gan Strategaeth Diogelwch Ffyrdd Cymru a gyhoeddwyd gan Lywodraeth Cynulliad Cymru ym mis Ionawr 2003. Ynddi, nodir rhaglen weithredu benodol i Awdurdodau Unedol yng Nghymru.

Ym mis Hydref 2004, cwblhaodd Cyngor Abertawe gynllun arafu traffig ym Mhenclawdd, ger Abertawe, a oedd yn cynnwys cyfres o lochesau i gerddwyr ac ynysoedd traffig â bolardiau cadw i'r chwith confensiynol wedi'u goleuo. O fewn blwyddyn i'w sefydlu, cafwyd sawl achos o fandaliaeth a difrod i'r bolardiau, a daethant yn rhy ddrud i'w hamnewid yn gyson. Roedd angen ateb arall a fyddai'n cadw'r llochesau i gerddwyr, ond yn cadw costau cynnal a chadw parhaus mor isel â phosib.

Ateb

Yn dilyn cyfarfod anffurfiol yn Traffex 2005 a sawl trafodaeth, arddangosodd gynrychiolydd hyfforddedig Glasdon y bolard Rebound Signmaster™. Mae nifer o fanteision i ddefnyddwyr y bolard Rebound Signmaster gan gynnwys:-

Uchafswm Adlewyrchiad a Gweledadd - Mae'r paneli enciliol adlewyrchol yn grwm er mwyn cynyddu gweledadd o onglau eang. Diamond Grade VIP (perfformiad effaith weledol) Mae deunydd enciliol adlewyrchol melyn yn amlwg iawn yng ngolau dydd ac yn hynod o adlewyrchol yn y nos. Nid oes angen golau trydanol.

Diogelwch Goddefol, yn helpu i achub bywydau - Wedi ei wneud o ddeunydd diogelwch goddefol Impactol®, a fydd yn gymorth i atal neu leihau difrifoldeb anaf bersonol mewn gwrthdrawiad rhwng cerbydau. Mae bolard Rebound Signmaster wedi pasio BS EN 12767:2000 (diogelwch goddefol strwythurau cefnogol cyfarpar ffyrdd). Ym mis Ebrill 2005, rhodd Lywodraeth Cynulliad Cymru awdurdod arbennig i'r bolard Rebound Signmaster gael ei brofi mewn dau safle ar lochesau cerddwyr, gan lacio'r gofyniad am arwydd confensiynol 'Cadwch i'r Chwith' wedi'i oleuo'n uniongyrchol i ategu'r bolard.

Canlyniadau Llesol

Yn ystod y ddwy flynedd ddiwethaf, ers i'r Rebound Signmaster gael ei osod, bu'r treialon yn llwyddiannus iawn. Tarwyd y bolardiau sawl gwaith, ond arhoson yn eu lle, gan arbed costau drud cynnal a chadw neu ailosod. Gwelwyd bod Rebound Signmaster yn gwrthsefyll y tywydd a fandaliaeth, ac mae'n gost-effeithiol; heb unrhyw alwadau i'r adran gynnal a chadw mewn dwy flynedd! Gyda chefnogaeth barhaus Llywodraeth Cynulliad Cymru, bwriad Dinas a Sir Abertawe yw parhau i ddefnyddio Rebound Sigmaster ar safleoedd yn yr ardal.

Beth yw Barn y Cwsmer?

"Fel llawer o awdurdodau lleol, mae Dinas a Sir Abertawe bob amser yn chwilio am ffyrdd arloesol i leihau damweiniau ffyrdd. Ar hyn o bryd, rydym yn defnyddio cynnyrch a mentrau amrywiol i wella diogelwch ffyrdd, ond trwy gadw costau gydol oes i lawr hefyd. Mae bolard Signmaster Glasdon wedi bod yn gynnyrch gwerth gorau ar gyfer diogelwch ffyrdd a gwerth gorau am arian'."

Jeff Green, Swyddog Diogelwch Ffyrdd y Sir Dinas a Sir Abertawe.

Rydym yn ddiolchgar i Ddinas a Sir Abertawe am eu cymorth caredig i gynhyrchu'r astudiaeth achos yma.

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Glasdon Mae Impactol a Rebound Signmaster yn nodau masnach neu'n nodau masnach cofrestredig i GLASDON GROUP neu ei is-gwmnïau yn y DU neu wledydd eraill.
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