



## **Circolare AIIT - Piemonte e Valle d'Aosta - n. 24/luglio-agosto 2014**

### *Notizie selezionate e riferimenti ad alcuni documenti pubblicati di recente sui temi del settore dell'ingegneria del traffico e dei trasporti.*

1. Consultations by European Commission in Transport Area
  - This public consultation by the European Commission (EC) relates to Combined Transport, a form of goods haulage which involves a combination of road transport with alternative rail and/or water-based transport, using these alternative modes for the majority of the journey, with use of road haulage limited as far as possible to a relatively short distance at the start and/or end of the journey (Consultation period: 23/05/2014 - 15/08/2014).
  - [http://ec.europa.eu/transport/media/consultations/2014-combined-transport\\_en.htm](http://ec.europa.eu/transport/media/consultations/2014-combined-transport_en.htm)
2. Published a report on Strategic Issues Facing Transportation by TRB
  - TRB's National Cooperative Highway Research Program (NCHRP) Report 750: Strategic Issues Facing Transportation, Volume 2: Climate Change, Extreme Weather Events, and the Highway System: Practitioner's Guide and Research Report provides guidance on adaptation strategies to the likely impacts of climate change through 2050 in the planning, design, construction, operation, and maintenance of infrastructure assets in the United States.
  - <http://www.trb.org/main/blurbs/169781.aspx>
3. Published a report on an Economic Analysis of Transportation Infrastructure Investment
  - The White House has released a report that details the long-term economic benefits of transportation investment and why conditions in the infrastructure sector can create opportunities for innovation.
  - <http://www.trb.org/main/blurbs/171026.aspx>
4. Primo bus elettrico senza conducente a Oristano
  - E' partito il 15 luglio, il progetto CityMobile, finanziato dalla Commissione Europea, attivato per la prima volta in Europa fino a fine agosto nella città della Sardegna Oristano. Si tratta del bus elettrico senza conducente in viaggio nel Lungomare di Torregrande. Ci saranno due minibus che possono trasportare 12 passeggeri e viaggiare a una velocità di 15 km/h. La lunga strada della Marina di Torregrande verrà percorsa interamente in 10 minuti.
  - <http://www.ttsitalia.it/a-oristano-il-primo-bus-elettrico-senza-conducente/>
5. Signals and variable message signs on the M1 near Sheffield in South Yorkshire
  - The work, which will affect the 1.9 miles of motorway between junction 31 and 32, will introduce signals and variable message signs, all capable of displaying variable mandatory speed limits. It involves significant work to existing gantries, installation of additional variable message signs, along with cabling, barrier and safety work. The aims of the project are to help to reduce congestion, make journey times more reliable, improve safety, enhance access to surrounding areas and benefit the economy.
  - <http://thinkinghighways.com/2-6m-pinch-point-improvement-project-brings-latest-technology-to-m1/>

6. Speed limit for heavy goods vehicles (HGV)

- The UK's Freight Transport Association (FTA) has voiced its support of today's announcement that the HGV national speed limit on single carriageway roads will increase from 40mph to 50mph. FTA said that this decision supports an improvement in road safety by reducing the 20mph differential between HGVs and other road users, as the changes will allow UK roads to be used more effectively and safely on single carriageway roads.
- <http://www.itsinternational.com/sections/general/news/fta-backs-hgv-speed-limit-increase/>

7. Nicaragua's alternative Panama canal plans

- The US\$40 billion project involves the construction of an alternative to the Panama Canal. The proposed 280 kilometer, which aims to compete with the Panama canal, would connect Nicaragua's Caribbean and Pacific coasts. It includes the development of a deepwater port at each end of the canal, an oil pipeline running alongside it a dry canal for the transportation of cargo via freight rail lines, a new airport, highways, free trade zones, and a tourist complex.
- <http://www.itsinternational.com/sections/general/news/nicaraguas-alternative-panama-canal-plans/>

8. Smart traffic signal technology for Newcastle

- Smart traffic technology being installed at all the junctions as part of the work will help control traffic and even pedestrian flow to prevent the build up of congestion. Newcastle's urban traffic management centre based at Newcastle University monitors and controls the flow of traffic in the city using traffic sensors and cameras to control traffic signals.
- <http://www.itsinternational.com/categories/detection-monitoring-machine-vision/news/a-transport-revolution-for-newcastle/>

9. Presented the "Augmented Reality Head-up Display" (AR-HUD)

- In addition to "showing" the driver possible dangers, the car also "helps" them in an entirely new way: navigating through traffic. With virtual information (augmentations) embedded in the real exterior view, drivers intuitively recognise the significance of what they see in front of them. This takes the role of the AR-HUD far beyond that of the current head-up display. It will play an important part in future human machine interfaces (HMIs).
- <http://thinkinghighways.com/continental-the-technology-behind-the-augmented-reality-head-up-display/>

10. City of Madison trials cycle detection system

- The city of Madison, Wisconsin, has begun a test program of new technology that can sense when cyclists are waiting at an intersection and cut their wait times. Bicycles made of aluminum and carbon fiber, the two most common materials for new cycles, often do not contain enough metal to be detected. If a thermal sensor detects a cyclist arriving toward the end of a green light, it can signal the light to remain green until the rider can safely cross.
- <http://www.traffictoday.com/news.php?NewsID=60991>

11. Calls for tender by European Commission in Transport Area (examples):

- Preparation of EU guidelines on urban logistics
- Preparation of EU guidelines on urban vehicle access regulations
- Update of the European Road Safety Observatory (ERSO)
- Study on accident causation for traffic accidents involving powered 2-wheelers and bicycles in the European Union
- [http://ec.europa.eu/transport/facts-fundings/tenders/index\\_en.htm](http://ec.europa.eu/transport/facts-fundings/tenders/index_en.htm)