

# Junction



## Autoroute 30 and sustainable mobility!

**T**he Plan stratégique 2008-2012 adopted by the ministère des Transports du Québec (MTQ) confirms the importance it has placed on sustainable development by embracing this concept in its mission and adapting it to the transportation industry.

For several years now, the MTQ has been committed to sustainable development. It is in fact constantly bolstering its efforts to better integrate ecological, cultural, and social heritage into ministerial projects. Its myriad achievements tangibly illustrate the outcome of this concern.

Accordingly, the MTQ plans to provide a transportation supply that is integrated, permanent and secure, and one that reconciles several objectives: to satisfy the needs of current and future users, and to foster trade by acknowledging the bearing capacity of ecosystems. Consequently, its improved performance from a perspective of sustainable mobility will have a major influence on Québécois society.

The studies carried out will make it possible to ensure that each and every day, the completion of Autoroute 30 will generate savings in terms of time and travel evaluated at 40,000 vehicle-hours in the greater Montréal region. In the near future, the completion of this bypass route to the south of the Montréal region will offer an alternative solution to vehicles in transit. The most significant gains will be realized in peak periods when the road system is most heavily frequented.

In the western sector of the Montérégie, road users will be able to benefit from an average access time to the highway system of eight minutes, compared with the current time of 18 minutes. This time savings represents a financial value of approximately \$200 M.

The MTQ is demonstrating its unwavering commitment to effectively rise to the challenge of sustainable development.

**Julie Boulet**  
Québec Minister of Transportation  
and Minister Responsible  
for the Mauricie Region



## A first in Québec for a highway!

The eastern section of Autoroute 30 was the venue for a pilot project carried out by the MTQ on June 1st, 2009. The purpose of this pilot project was to proceed with the first tests involving the use of rolled concrete (RCC) on a highway. This first in Quebec will take place in Candiac at the intersection of the future Autoroute 30 and the service road for Autoroute 15 South.

Over a distance of approximately 300 metres, 25 cm of thickness of this concrete will be applied.

The experiment on Autoroute 30 will make it possible to evaluate the conduct of this new type of roadway on a high traffic lane and to then apply it over a larger surface if it proves to be effective!

### What is RCC?

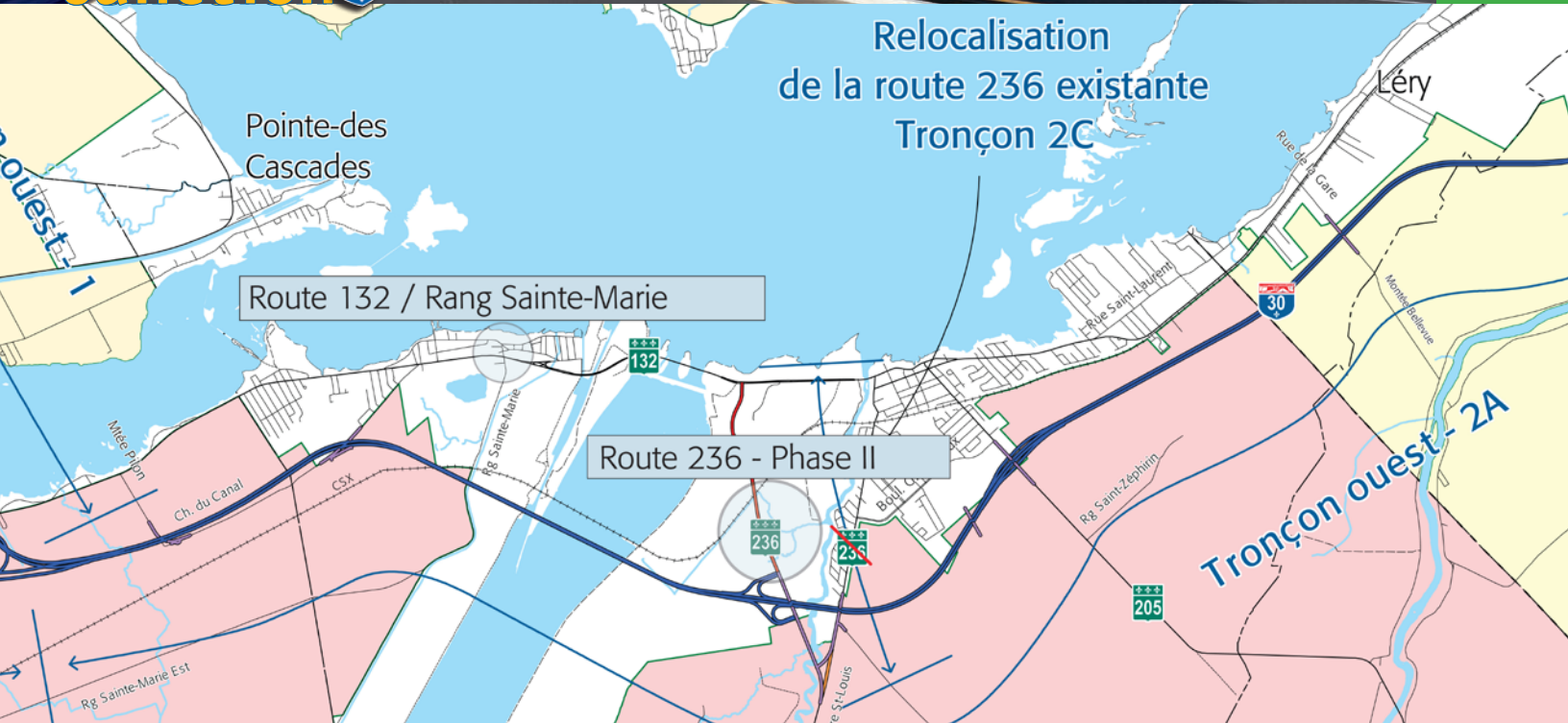
RCC is composed of cement, granulate, adjuvants, water, and cement additives, if necessary. It does not have any reinforcement and it is installed without formwork. It is prepared directly on the site, which helps to reduce the cost of the work. The compacting technique is carried out when the concrete is still cold and malleable, meaning in the 45 minutes after the mixing water is added. The vibrating rollers pass over it continuously until the specified density is reached. It is then cured with water for seven days, which enables the concrete to develop its resistance, because its accelerated setting allows for faster implementation! An RCC slab is not affected by freeze and thaw periods.

Paver with high compacting capacity.



Portable "pugmill" system for the on-site production of RCC





## Relocation of Route 236, Phase 2!

In the wake of the first phase that was completed last summer, the construction of the second section of Route 236 began in May. The work is located within the boundaries of the municipality

of Beauharnois in the heavy industrial zone, near the Beauharnois power plant. The Autoroute 30 construction project is at the south end of this route. It will be completed by a private partner.

Among other things, this project involves the construction of an overpass spanning the railway. The work is estimated at close to \$15 M and will continue until November 2011.

## Overhaul of the Route 132 and Rang Sainte-Marie intersection

Due to the anticipated traffic during the work and the proximity of the work site for the Beauharnois Canal Bridge, the MTQ will erect traffic lights at the intersection of Route 132 and Rang Sainte-Marie, in Beauharnois.

Further to the addition of a traffic light, this project will also involve widening the existing roadway, the construction of a central median and left turn lanes, drainage and lighting, as well as several other tasks.

The overhaul of this intersection will improve the truck transit necessary for the construction of Autoroute 30, and will enable the work to be carried out safely for road users and workers. The work will be carried out from May to August 2009, at a cost of approximately \$1.8 M.

## Track our major projects online!

*Voie d'accès* is the new MTQ electronic newsletter prepared by the Direction des communications. Its intention is to enhance the major projects and worksites relating to transportation, so as to enable readers to

appreciate the ensuing scope and benefits. Autoroute 30 is one of these projects. Visit the site for major projects entitled *Des fondations pour réussir*: <http://www.mtq.gouv.qc.ca>

**Erratum :** During the last issue, a small error occurred in the legend for the map illustrating the road segments transferred to the private partner. In fact, contrary to what was mentioned in the last edition of *Junction 30*, the routes indicated in blue represent the segments under MTQ management, while those in pink were the responsibility of the municipalities.

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