

## **Memorial Park 3 Video Questions**

**Tuesday 11 November 2014**

### **1. Memorial Park Project Update**

Catch up with Russell Scoones on the steps of the National War Memorial as he gives you a rundown of progress on the Memorial Park project since the last field trip in May 2014.

1. List some of the changes Russell mentions.
2. Why is today significant?

Next step learning: Have a look at some videos from the second *Memorial Park* field trip to get more of an idea on the progress that has been made since last May.

### **2. Drive Through the Arras Tunnel**

It is time now to take a drive through the new Arras Tunnel.

1. Although currently blank, what has the electrical sign been showing?
2. What is special about the lighting in the tunnel?
3. What do the poppies represent?

Next step learning: Sketch part of the Arras Tunnel. Compare Arras Tunnel with other tunnels you know of.

### **3. New Road to Arras Tunnel**

Site Engineer Rob Dickson explains how a whole new piece of road had to be put in place to take traffic into the tunnel.

1. Where are you right now?
2. What does the polymer modification in the bitumen help with?
3. What happened to the traffic on the night when the road leading into the tunnel had to be completed before opening?

Next step learning: Find out if a State Highway project is happening near your town <http://nzta.govt.nz/network/projects/results.html>.



#### **4. Remote Traffic Operations**

Out in Johnsonville there is a very interesting building known as TOC. Get special permission to go inside and find out all about it.

1. What does TOC stand for?
2. What “happens” at the Centre?
3. Is TOC responsible for monitoring drivers breaking the law?

Next step learning: Find out more about TOC here <http://www.nzta.govt.nz/resources/how-the-nzta-keeps-you-moving/docs/how-the-nzta-keeps-you-moving.pdf>.

#### **5. Tunnel Control with Smart Software**

It's Wayne's World – but not as you might know it! This is more to do with clever software helping traffic operations.

1. Operators at TOC are able to control cameras in the Arras Tunnel to pan, t\_\_\_\_\_ and z\_\_\_\_\_. Fill in the missing words.
2. What can the “intelligent cameras” tell operators?
3. What happens if the system picks up an incident?

Next step learning: Create a flow chart to show your understanding of how this operating system works.