



America's Cup Mount Edgcumbe 10th – 18th September 2011

Traffic Management Plan

23rd August 2011 – Version 1

Environment Planning and Economy

Traffic Management Plan

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1. Introduction

1. This Traffic Management Plan is being drafted as an appendix to The Traffic Management Plan produced by Plymouth City Council for the Americas Cup event which is been hosted in the City of Plymouth.

1.1 The purpose of the Traffic Management Plan is to:

- a) Enable unobstructed access to and from the event by emergency service vehicles;
- b) Reduce congestion locally on the narrow section between Home Farm and Cremyll at the weekends of the event by putting into effect one-way systems for light vehicular traffic;
- c) Reduce congestion generally within the Rame Peninsula.

2. The Event and the Organiser

2.0 The Americas Cup is been hosted by Plymouth City Council from 10th September – 18th September 2011. The racing aspect of the event will typically take place between the times of 12:00 – 17:00 hrs.

2.1 The responsibilities for carrying out the Traffic Management on Cornwall's Road Network will be Cornwall Council's Term Maintenance Contractors Cormac following instruction from the Streetworks Section.

2.2 There are no conflicts with any other planned events or Roadwork's within the vicinity in which the event is due to be held that we have been made aware of at this present time. However, if emergency works appear during the event dates this will need to be addressed so as to cause the least amount of disruption to the road network.

3. Impact

3.0 The event is not to be held on the highway as it will take place in the Plymouth breakwater. However, it has been identified that Mount Edgcombe Country Park will be used as one of the spectator viewing points therefore; Traffic Management will need to be established to facilitate the influx and egress of vehicles attending this event.

3.1 Two way traffic lights will be required at the priority system in Antony for the entire duration of the event. (See item 7.3 and Appendix A).

- 3.2 Traffic congestion will occur due to the nature of the roads. Therefore, One-way systems will be put into operation on the weekends of the 10th and 17th September 2011 from 09:00-19:00. (See Appendix B for overview and Appendices D & G for tidal flows and timings).
- 3.3 In the event of a higher number of visitors attending the viewing location in Mount Edgcumbe than estimated, a Temporary Traffic Regulation Order has been issued to enable a Road Closure to be implemented to allow for the dispersal of queuing traffic. (See item 7.0 Appendix E for further details).

4. Planning

- 4.0 Attendance at Mount Edgcumbe has been estimated using the figures provided by Plymouth City Council and as a result of a table top exercise held on which equates to an estimate of 1,500 vehicles on weekdays and similar numbers at the weekends. In ideal conditions, the route to Mount Edgcumbe would have a capacity of 1200 vehicles per hour. However, due to the traffic control, priority system within Millbrook and the tidal traffic leaving the Torpoint Ferry at 15 minute intervals this will cause around a 60% reduction in capacity of the road network bringing the figure to around 500 vehicles per hour. If Mount Edgcumbe reaches full capacity of the 1,000 spaces within the first couple of couple of hours this could result in possibly 6km of queuing traffic trying to access the venue.
- 4.1 For events held in the Rame Peninsula prior to 2008, an exit strategy was introduced whereby vehicles exiting the Rame Peninsula were diverted away from Crafhole due to complaints from residents. The complaints were generated due to the implementation of the traffic calming features that had been installed to the village. This meant that the majority of traffic was directed to exit through the neighbouring village of Antony. At that time Antony had not been traffic calmed.
- 4.2 With the introduction of the traffic calming in Antony it was thought necessary to provide temporary manually controlled traffic lights to enhance the capacity of this route to cater for the diverted traffic. To prevent congestion and queuing on the A374, it was deemed necessary to deploy three way traffic signals under manual control with the priority given to the main arterial route.
- 4.3 In the early part of 2009, Cornwall Council installed a priority system in the narrow section in the village of Millbrook. This has reduced the vehicular capacity of the road. To deal with this, advisory signing has been used for light traffic to be diverted along Military Road along the edge of Whitsand Bay to reduce the amount of vehicles travelling through the village.

4.4 Following a review of the Traffic Management Plan used for the Classic and American Show questions were raised concerning:

- a) The validity of the exit strategy;
- b) The need for temporary traffic control;
- c) Would a change in strategy conform to or conflict with the purpose of the TM plan.

4.5 Is it right that all exit traffic should pass through Antony rather than it shared with Craithole?

a) Due to the narrow sections of road through the village of Craithole, along with the problem of parked vehicles which will cause obstruction we are unable to sign this as the exit route due to the extreme congestion it will cause. However, we do expect some traffic to deviate along this route due to local knowledge and to avoid the delays caused by the traffic lights in Antony.

b) It is believed that manually controlled three way traffic lights, rather than a simple two way set for controlling the narrowing on the B3247 was specified due to the fear that vehicles on the A374 travelling from Trerulefoot wanting to turn right into the B3247 at Antony would obstruct following vehicles. It was suggested that right turn movement would be minor as it is not the signed route for Mount Edgecumbe, Kingsand, Cawsand and Millbrook. However, I would expect numbers to be fairly high due to it been the signed route from the Torpoint Ferry and those driving larger vehicles with a local knowledge would travel to the village of Antony as the roads are wider and have less obstructions than if they take the suggested alternative route through Craithole. There will be some tidal queuing generated on the A374 for the right turn manoeuvre into Antony, due to the flow of traffic travelling off the Torpoint Ferry which currently runs at 15 minute intervals.

c) It is believed that a set of three way lights will produce substantial delays in the intergreen periods which will negate or reduce any potential increase in capacity.

It is therefore concluded that; although traffic signals are required in the village of Anthony, the anticipated vehicle movement will adequately cope with a set of manually controlled two way traffic signals during the anticipated influx and egress times. The three way lights that have been trialled over the last couple of years for events held in the Rame Peninsula are not required on this occasion.

Due to the timing of the races it has been anticipated that the majority of spectators will arrive between 9am – 2pm and exit the venue between the times of 4pm – 7pm.

It is feasible due to the location of the venue that any pedestrian movements will be heading from the Plymouth direction and disembarking from Cremyll Ferry a short distance away from the main entrance to Mount Edgcumbe Country Park and access the site through the Avenue Gate at Cremyll thus negating any conflict between pedestrians and traffic entering the car parks.

5. Parking

- 5.0 Parking will be provided in Mount Edgcumbe Country Park. There are 800 spaces for parking within the Deer Park with an additional overflow car park which can accommodate 200 vehicles. Mount Edgcumbe Country Park is not planning on paying for adjacent landowners' fields to be utilised for parking at this event due to the costs and negotiations involved. They are advertising the event as a viewing platform and catering and alcohol licenses are been pursued. (See Appendix L for Car Park signage).
- 5.1 There will be no vehicular entry or exit via The Avenue Gate at Cremyll.
- 5.2 Car Park supervisors will be contactable via mobile phones to arrange closure of car park exits in the event of an emergency. In this instance, the Car Park exit gates will be locked in which will enable the surrounding roads to clear and provide a free passage for emergency vehicles without the conflict of mass exodus leaving the Country Park. Prior to this, an announcement will be made over the PA system to advise and encourage visitors to remain at the event and not queue to leave as the Car Park exits are now closed.
- 5.3 Historically, visitors and locals park their vehicles on the verges at Tregantle to walk back to Military Road to reach the beach. This does cause problems with visibility, therefore, it is proposed that 'No Waiting' cones are deployed and the verge roped off either side of this junction to prevent this from occurring. (See Appendix P).
- 5.4 'No waiting' cones will be deployed outside Mount Edgcumbe Country Park on the morning of Saturday 10th September through to Sunday 18th September to deter parking on the public highway by those not wishing to pay the £5 car parking within the Park. (See Appendix Q).

6. Emergency Services and Public Transport

- 6.0 Access for Emergency Services will be via A374/B3247 and it would be expected that they would be able to overtake any queues that may arise when approaching from either direction on the A374 and likewise on the B3247. No other routes have been identified as suitable emergency access routes due to the nature of the surrounding roads.
- 6.1 Access for Bus Services will remain unaffected. However, if the contingency plan is put into operation to close the road leading to Mount Edgcumbe as detailed in item 5.1, buses would still be allowed access through the Road Closure if necessary.
- 6.2 The Torpoint Ferry will be running three ferries until 19:30pm on Saturday 17th September 2011.

7. Access Roads (public highways and within the event)

- 7.0 An application has been made for a Road Closure for the duration of the event as a standby precaution if traffic flows exceed anticipated numbers and Mount Edgcumbe Country Park becomes full to capacity. In this instance, a Road Closure will be implemented at the junction of the B3247 and the road from Little Treninnow to Hat Lane. No further vehicles will be allowed past this junction apart from Emergency Service vehicles, Buses and local residents requiring access. Light vehicles and cars will be directed to follow the One-way diversion route if on a weekend and after 14:30pm as the westbound diversion route would be established. Otherwise, they will be advised to take an alternative route via Kingsand or turn around and retrace the route they took initially. If a Road Closure needed to be implemented on a weekday, an instruction would be passed via the Control Room to Streetworks or Highway Service and Cormac would organise setting out of the Road Closure.
- 7.1 A tidal flow one way system will be utilised at the weekends between the times of 09:00-14:30 Northbound and Westbound from 14:30-19:00. However, there is a Temporary Traffic Regulation Order for the one-way system to be put into operation throughout the event if the need arises. The decision on whether this needs to be implemented during the working week will lie with the Control Room making contact with Cornwall Council representative and advising accordingly. (See appendices' D and G).

- 7.2 Due to the One-way systems been put in place over two weekends, the Clearway Order on Military Road will need to be enforced otherwise traffic congestion will occur. The road needs to maintain two-way traffic flow without been restricted by abandoned vehicles within the Clearway Order. Therefore, the Parking Enforcement Team has been requested to deploy Civil Parking Enforcement Officers at the weekend to enforce the Order and it has been agreed that CPE Officers will be available.
- 7.3 Traffic Lights will be installed for the full duration of the event i.e. 10th-18th September in the village of Antony due the anticipated traffic flows. The reason for this is due to the existing priority system located in the village, which during heavy peaks in traffic causes queuing back on to the A374. Therefore, temporary traffic lights will be established for 24 hours a day but will be manually controlled by a Cormac operatives from 09:00 -19:00 daily ensuring that traffic entering from the A374 is given priority so as not to queue on the main arterial route. (See Appendix A).
- 7.4 Parking restrictions – ‘No waiting’ cones may need to be deployed on New Road, Cawsand so as to prevent on road parking which restricts traffic flows. This would be the additional exit route if the Road Closure has to be deployed. These would need to be placed prior to the event i.e. Saturday 10th September at 06:00hrs and re-collected on Sunday 11th September at 20:00 and re-deployed the following weekend Saturday 17th and Sunday 18th September following the conclusion of the event. These would require daily maintenance to ensure they remain in place throughout the weekend and re-established if necessary. To be discussed with JE/MS.
- 7.5 A CCTV trailer for viewing traffic data on route to Mount Edgcumbe Country Park will be set up at the Tregantle Junction and maintained by the Highways Agency for the duration of the event. (See Appendix F for location details). Contact for this will be Mr Howard Jones, Enterprise Mouchel and he will monitor and advise Cornwall Council of any traffic concerns that may need addressing for the duration of the event.

8. Temporary Traffic Regulation Orders

- 8.0 Tidal One-way Temporary Traffic Regulation Orders as detailed above item 7.1. (See Appendix B).
- 8.1 Road Closure of the B3247 Between Hooe Lake Lane and Cremyll Ferry if Cornwall Council representative consider it necessary due to

Mount Edgcumbe Country Park having been identified as full to capacity and no further parking available as detailed in item 7.0 (See Appendix E).

9. Directional Signage and TM Arrangements

- 9.0 For detailed design of directional signage for the weekends of 10th and 17th September 2011. (See Appendix C, D, G & H).
- 9.1 For detailed design of direction signage for weekdays only. (See Appendix I).
- 9.2 Advance Notice Boards will be placed out at key locations 14 days prior to the event on Friday 26th August 2011 to advise of the event and to encourage motorists to avoid the area on the event dates as long delays may be experienced in the Rame Peninsula. (See Appendix J).
- 9.3 On the first day of the event, Saturday 10th September deterrent signage will be placed out on key roads advising of Long Delays when approaching from Plymouth and Torpoint Ferry and to avoid the Rame Peninsula. (See Appendix K).
- 9.4 VMS signage will be activated on the Trunk Road Network on A30 at Bodmin and A38 at Trerulefoot before, during and in the event of an emergency. The key decision makers for activating and changing the information on these signs will be made by Steve Phillips Highways Agency, Howard Jones Enterprise Mouchel and Jeremy Edwards Cornwall Council. (See Appendix M and N for locations of VMS).
- 9.5 Directional signage for the Car Parks will be installed prior to the event and remain in place until the conclusion of the event on 18th September 2011. (See Appendix L).
- 9.6 The cost of implementing the Traffic Management for this event within the Rame Peninsular has been estimated at £25,000.
- 9.7 The above Traffic Management measures will be installed, maintained and removed by Cormac operatives.

10. Management and Personnel

- 10.0 On the weekends of 10th and 17th September, Cormac operatives will be manning the critical junction on the B3247/Hat Lane and if queuing becomes excessive due to the capacity of the venue been at its upmost limit, the decision will be made by Cornwall Council to close the road and no further vehicles will be allowed past this

junction except for Emergency Services, Public Transport Providers and local residents who require access.

- 10.1 The car parking arrangements at Mount Edgcumbe Country Park remains the responsibility of Ian Berry, Plymouth City Council.

11. If things go wrong

- 11.0 Serious injury of person – 999 to be called for assistance.
- 11.1 Breakdown blocking access/egress routes – Towing Truck to be on standby from contact details and number to be provided.
- 11.2 Vehicle crashes – Police to be contacted and local Police to attend site to assist.

12. Key Contacts

- 12.0 Traffic Management – Jeremy Edwards, Network Manager, Cornwall Council (Tel. 01872 32 7878 and Matt Stribley, Traffic Manager, Cornwall Council Tel. 01872 32 7377).
- 12.1 Parking Enforcement – Graham Holland, Cornwall Council (Tel. 01208 262843).
- 12.2 Devon and Cornwall Fire and Rescue Service – Roger Saundry (Tel. 01872 283473)
- 12.3 Devon and Cornwall Constabulary – PC Ian Tanner (Tel. 01752 283473)
- 12.4 Torpoint Ferry and Tamar Bridge Committee – David List (Tel. 01752 361577)
- 12.5 Mount Edgcumbe Country Park – Ian Berry (Tel. 01752 822236)
- 12.6 Highways Agency – Anne Rosedale and Alan Connibere (Tel. 0845 9556575 or 0300 123 5000)
- 12.7 Enterprise Mouchel – Howard Jones (Tel. 07887 903967)

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