Job No.: 00507359/FAAV

FARLINGTON AVENUE – TRAFFIC CALMING IMPROVEMENT SCHEME
Stage 1 Road Safety Audit Report

Report No.: 00507359/FAAV/RSA1

Revision No.: 02 FINAL
Date of issue: October 2011

Amey
Suite 6, The Podium
1 Eversholt Street
Euston
London
NW1 2DN

Portsmouth City Council
Civic Offices
Guildhall Square
Portsmouth
Dorchester
PO1 2AL
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Appendix A: Drawings and Documents Forming the Audit Brief

Appendix B: Road Safety Audit Key Plan
INTRODUCTION

Commission and Terms of Reference

1.1.1 This report results from a Stage 1 Road Safety Audit carried out on Farlington Avenue for the proposed traffic calming improvement scheme at the request of Yann Voller of Portsmouth City Council.

1.1.2 The Safety Audit comprised an examination of documents forming the Audit Brief and inspection of the site during daylight hours. The documents forming the Audit Brief, which were made available to the Audit Team by Yann Voller, are listed in Appendix A.

Generally, the Brief comprised:

- Design scheme drawings.

This information was considered adequate for the purpose of carrying out the Road Safety Audit requested.

1.1.3 The Audit Team are not aware of any previous stage audits having been carried out on the proposals.

1.1.4 The Audit Team membership for this Audit is as follows:

Nico Bentall | Audit Team Leader
BA(Hons), MCIHT, MSoRSA | Amey Euston office

James Lomas | Audit Team Member
BA(Hons), DipASM, MCIHT, MSoRSA | Amey Euston office

1.1.5 The Audit took place at the London office of Amey in September 2011. The site was inspected during daylight hours on Monday 19th September 2011. The weather during the daylight visit was sunny and the carriageway surface was dry.

1.1.6 The Terms of Reference are as described in the Highways Agency’s Design Manual for Roads and Bridges document HD 19/03 ‘Road Safety Audit’.

1.1.7 The Audit Team has examined and reported only on the road safety implications of the scheme as presented and has not examined or verified the compliance of the design to any other criteria.
Section 2 describes the safety issues identified in the Audit together with recommendations for improvement to either remove or reduce the associated risk in connection with this highway proposal. Unless general to the scheme, each Problem location has been marked or listed on Figure 1, located in Appendix B. Site photographs are included to cross reference some of the safety issues raised in the report.

The Project Sponsor is advised of the following matters:

1. If any Problem or Recommendation is not accepted on submission of the final report, a signed Exception Report is to be approved by the Project Director, a copy of which is to be sent to the Audit Team leader for record keeping purposes.

2. Safety issues identified during the Audit site inspection that the Terms of Reference exclude from this report, but which the Audit Team wishes to draw to the attention of the Audit Project Sponsor, will be set out in a separate letter.
1.2 Purpose of the Highway Scheme

1.2.1 The scheme proposes alterations to the existing traffic calming along Farlington Avenue. Measures include the provision of raised tables, a change to junction priority, kerb build outs and provision of crash barrier.
2 ITEMS RAISED IN PREVIOUS ROAD SAFETY AUDITS.

2.1 The Audit Team are not aware of any previous stage audits being carried out on the proposals.
3 ITEMS RAISED IN THIS STAGE 1 ROAD SAFETY AUDIT.

3.1 JUNCTIONS

3.1.1 PROBLEM

**Location:** 3.1.1 on Key Plan in Appendix B – Farlington Ave junction with Moortown Avenue.

**Summary:** Proposed change in priorities may lead to northbound vehicles ‘straight lining’ the junction.

**Detail:** It is proposed to alter the priorities at the junction of Farlington Avenue and Moortown Avenue. Vehicles travelling south eastbound on Farlington Avenue will now have to give way to vehicles approaching on Moortown Avenue. A build out is to be provided to deflect south eastbound traffic. The Audit Team are concerned however, that vehicles travelling north westbound on Farlington Avenue may continue straight ahead though the junction placing them in conflict with vehicles travelling south eastbound. Head on type collisions may occur.

**RECOMMENDATION**

A ‘Junction Ahead’ type warning sign should be provided in advance of the junction on both the north westbound and south eastbound approaches to the junction. Furthermore, temporary signs to TSRGD Diag. No. 7014 indicating a change in the junction priority should be provided for three months following the completion of the scheme.

3.2 PEDESTRIANS

3.2.1 PROBLEM

**Location:** 3.2.1 on Key Plan in Appendix B – Farlington Avenue junction with Blake Road.

**Summary:** Proposed new crash barrier may limit the footway width.
Detail: It is proposed to provide a new crash barrier on the southern corner of the Farlington Avenue and Blake Road junction. At its eastern end, the barrier will reduce the available footway width. Pedestrians may not be able to pass one another especially if there is a pushchair or wheelchair user. Pedestrians may be forced to use the grass verge resulting in a slip hazard or be forced into the carriageway risking collisions with vehicles.

RECOMMENDATION
It should be ensured that there is sufficient footway width around the eastern end of the proposed barrier.

3.3 GENERAL

3.3.1 PROBLEM

Location: 3.2.1 on Key Plan in Appendix B – Farlington Avenue north west of Birkdale Avenue.

Summary: Proposed new island at the existing priority chicane may narrow the carriageway too much for large vehicles.

Detail: It is proposed to provide an additional island in the north westbound carriageway as part of the existing priority chicane. The carriageway between the existing island and the proposed island appears narrow. Large vehicles may not be able to drive between the islands risking overrunning and vehicles striking street furniture.

RECOMMENDATION
Swept path vehicle analysis should be carried out the proposed layout to ensure there is sufficient space between the islands for large vehicles to negotiate the features safely.

3.3.2 PROBLEM

Location: 3.2.2 on Key Plan in Appendix B – Farlington Avenue south east of Birkdale Avenue.

Summary: No deflection proposed for new build outs.
Detail: It is proposed to provide two new build outs in place of existing road markings. No bollards or road markings are proposed to raise driver awareness of the islands. Vehicles may come into collision with the islands especially during the hours of darkness or in poor lighting conditions.

RECOMMENDATION
Bollards should be installed on the islands and suitable road markings provided to raise driver awareness of their location and deflect vehicles away from them.

3.3.3 PROBLEM

Location: 3.2.3 on Key Plan in Appendix B – Farlington Avenue south of Evelegh Road.

Summary: Overhanging tree blocks lighting of proposed raised table.

Detail: It is proposed to provide a new raised table feature on Farlington Avenue south of Evelegh Road. There is a lighting column to the north of the proposed feature however, there is also an existing tree which will block the light from the illuminaire. Drivers may fail to see the proposed feature especially during the hours of darkness. Vehicles may approach at inappropriate speeds risking loss of control.

RECOMMENDATION
The tree overhanging the proposed feature and blocking the lighting column should be trimmed back and regularly maintained.

3.3.4 PROBLEM

Location: 3.2.4 on Key Plan in Appendix B – Farlington Avenue south of Evelegh Road and south east of Birkdale Road.

Summary: Statutory undertakers covers where proposed raised tables are proposed.
Detail: It is proposed to provide new raised table features on Farlington Avenue south of Eveleigh Road and south east of Birkdale Road. There are statutory undertakers covers where both features are proposed. There is insufficient detail on the drawings to determine where the covers will be located on the raised table and whether they will be raised to the same level. If they are located on the up or down ramps, cyclists or powered two wheels may skid or slide on the covers causing them to become unseated.

RECOMMENDATION
It should be ensured that the covers are raised to the level of the surrounding feature and are not located on the up or down ramp.
4 AUDIT TEAM STATEMENT

I certify that this Road Safety Audit has been carried out in accordance with HD19/03.

AUDIT TEAM LEADER
Nico Bentall BA(Hons), MCIHT, Signed…
MSoRSA

On behalf of Amey
Suite 6, The Podium
1 Eversholt Street
Euston
London
NW1 2DN

Dated……05/10/2011……

AUDIT TEAM MEMBER
James Lomas BA(Hons), DipASM, MCIHT, MSoRSA

On behalf of Amey
Suite 6, The Podium
1 Eversholt Street
Euston
London
NW1 2DN
Appendix A: Drawings and Documents

Forming the Audit Brief

Drawings

Scheme submitted by Amey – Chichester office:

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Documents
Appendix B: Road Safety Audit Key Plan