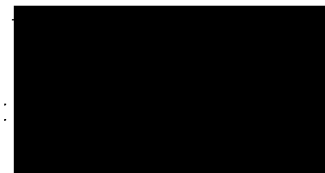




**Stage 1 Road Safety Audit
Laburnum Grove Junior School**

Report

JMP Consultants Limited
3 Harbour Exchange Square
London E14 9GE



Job No. ST13270

Report No. 01

Prepared by PH

Verified LG

Approved by PH

Status Final

Issue No. 01

Date 20 February 2013



Stage 1 Road Safety Audit
Laburnum Grove Junior School

Report



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Contents Amendments Record

This document has been issued and amended as follows:

Status/Revision	Revision description	Issue Number	Approved By	Date
FINAL		01	PH	20/02/2013

1 Introduction

- 1.1 This report details the findings of a Stage 1 Road Safety Audit and makes recommendations to improve road safety of the proposed highway works associated with Laburnam Grove Junior School in Bognor Regis, West Sussex.

Background

- 1.2 Laburnam Grove is a narrow two-way, single carriageway urban road in a residential area. Laburnam Grove Junior School is located on the south eastern side and a park is located opposite the school. Residential properties front onto the south eastern side of Laburnam Grove either side of the school. A footway is provided on the south eastern side and a grass verge runs around the north western side opposite the school. The road has street lighting and is subject to a 30mph limit.
- 1.3 The proposals audited include the reconfiguration of the access to new internal car park layout of Laburnam Grove Junior School and the provision of a new pedestrian access to the southwest of the existing pedestrian access.
- 1.4 No traffic flow information or personal injury accident data was provided to the audit team to be reviewed as part of this audit report.
- 1.5 The audit team were not informed of any Departure from Standards within the proposed highway design reviewed as part of this audit.
- 1.6 This Road Safety Audit has been commissioned to assess the design of the new highway layout. Only the highway works listed above have been included in the scope of the audit and only the drawings listed in the table below have been reviewed by the audit team as part of this Road Safety Audit.
- 1.7 The Project Sponsor is: West Sussex County Council.
- 1.8 The Design Organisation is:
- HCC Property Services,
Three Minsters House,
76 High Street,
Winchester
SO23 8UL
- 1.9 The Audit was carried out by:
- | | | |
|--|-----|--|
| Safety Audit Team Leader:
Peter Hill BEng, CEng MICE
Director
Peter Hill Design Services Limited
809 Wilmslow Road, Didsbury,
Manchester, M20 2QR | And | Safety Audit Team Member:
Leslie Gamadeku MSc, BSc
(Hons)
Engineer
JMP Consultants Ltd, London |
|--|-----|--|
- 1.10 The Safety Audit Team visited the site on Monday 18th February 2013. The weather was dry and sunny. The carriageway and footways were dry.
- 1.11 Traffic flows on Laburnam Grove were very light during the site visit. Observed traffic speeds were lower than the 30 mph speed limit, although no actual speed measurements were taken.

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- 1.12 The following sections of this report detail the safety issues identified with the design and presents recommendations for addressing them.
- 1.13 The report considers the road safety aspects of the scheme in isolation, on their own merits, without consideration of other factors, such as cost, which might otherwise influence decisions. The essential balancing of all competing interests is a task that must be undertaken by the Project Sponsor and not the Safety Auditor.
- 1.14 The Audit was undertaken in accordance with the Design Manual for Roads and Bridges Standard HD19/03 (DMRB 5.2.2.) and with reference to the 2008 'Road Safety Audit' guidelines issued by the Chartered Institution of Highways and Transportation. Comments and recommendations in this report are concerned only with the road safety implications of the scheme and do not consider compliance with any other criteria. None of the Audit Team has been involved with the design of this scheme.
- 1.15 The audit comprised an examination of the design drawings and supporting information relating to the scheme provided by the Project Manager as listed below.

Drawing No.	Drawing Title
No Drawing Number (See Appendix A)	WSSC – HCC Property Services. West Sussex Primary Schools Laburnam Grove Primary School Proposed Layout

- 1.16 The diagram numbers (Dia.) specified by the audit team in the following report are those numbers referred to in The Traffic Signs Regulations and General Directions (TSRGD) 2002.
- 1.17 It is the Audit Project Sponsor's responsibility to advise if any problem or recommendation is not accepted. A written response (an Exception Report) is required stating the reasons for non-acceptance of any problem or recommendation.

● 2 Items Raised in Previous Road Safety Audit(s)

- 2.1 The audit team are not aware of any other safety audits that have been undertaken on the proposed highway works reviewed as part of this Stage 1 Road Safety Audit.

● 3 Stage 1 Road Safety Audit Details

3.1 The reference numbers corresponding to the road safety issues highlighted in this section of the report are referenced to the drawings in **Appendix A**.

3.2 Problem:

Location: 1 – New pedestrian entrance to School.

Summary: Lack of guard railing to prevent children running into the road.

The proposals show a new pedestrian entrance is to be provided to the southwest of the existing pedestrian entrance. No pedestrian guard railing is shown opposite this new pedestrian entrance to stop children running into the road from the school. This lack of pedestrian guard railing will increase the risk of children coming into conflict with vehicles on Laburnam Grove opposite the new pedestrian entrance to the school.

Recommendation:

Pedestrian guard railing should be provided opposite the new pedestrian entrance to the school.

3.3 Problem:

Location: 2 – Entrance to school car park.

Summary: No tactile paving risk to visually impaired pedestrians.

The existing entrance to the school car park does not have any tactile paving to warn visually impaired pedestrians where the carriageway of the access is located. The proposals will increase the number of vehicles using the entrance and this will increase the risk of visually impaired pedestrians coming into conflict with vehicles in the access to the school car park.

Recommendation:

Buff colour tactile paving 1200mm deep should be provided on either side of the car park access to warn visually impaired pedestrians where the access is located.

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● 4 Issues identified during the Stage 1 Road Safety Audit that are outside the terms of reference

- 4.1 Safety issues identified during the audit and site inspection that are considered to be outside the Terms of Reference, but which the Audit Team wishes to draw to the attention of the Client Organisation, are set out in this section. These issues could include where maintenance items that may require attention have been identified, operational issues or existing poor provision. It is to be understood that, in raising these issues, the Audit Team in no way warrant that a full review of the highway environment has been undertaken beyond that necessary to undertake the Audit as commissioned. Reference numbers corresponding to the road safety issues highlighted in this section of the report are also referenced in the drawings in **Appendix A**.
- 4.2 No issues were identified that were considered to be outside of the Terms of Reference of the Audit.

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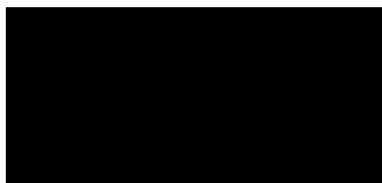
● 5 Audit Team Statement

5.1 I certify that this audit has been carried out in accordance with the Design Manual for Roads and Bridges Standard HD19/03 (DMRB 5.2.2.).

SAFETY AUDIT TEAM LEADER

Name: Peter Hill BEng CEng MICE
Position: Director
Organisation: Peter Hill Design Services Limited

Signed:



Date: 20th February 2013

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Appendix A

Proposed Arrangement Drawings & Location of Safety Problems

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