



PROJECT NAME: **A37 GURNEY SLADE**

DOCUMENT TITLE: **DESIGN REPORT**

DOCUMENT REFERENCE: **SCC/TI004121/ 004 V1**

Record of Issue							
Revision	Status	Author	Date	Checked	Date	Authorised	Date
-	Final	MJB	21/05/13	SH	01/06/13	RGN	12/06/13
V1	Final	MJB	26/07/13	SH	05/08/13	RGN	09/08/13

A37 GURNEY SLADE

DESIGN REPORT



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1. Introduction

Building on the Feasibility Report (TI004121-002), this design report sets out in detail two options for the location of a controlled pedestrian crossing.

As highlighted in the Feasibility report the pedestrian desire line is from the West side of the A37 which includes the residential areas around Station Road to the East side of the A37 where the Post Office and village stores are located.



2. Option 1 (Dwg. TI004121-HW-001)

This option provides a pedestrian crossing point just to the north of the Tape Lane junction, between the George Inn public house and the Underhill junction.

At this location there is also a public footpath that links through to Station Road. This is a natural desire line for any pedestrians wishing to access the Post Office and store from the west side of the A37.

The kerb line on the northern corner of the junction of the Tape Lane with the A37 would require realignment to allow for a widened footway to accommodate the crossing, equipment and provide adequate width for pedestrians to wait to cross the carriageway.

At this location there is only one private access onto the A37, this is located between the public house and the footpath link to Station Road.

This access would not be affected by the pedestrian crossing and could allow easier egress from the property at busy times.

3. Option 2 (Dwg. TI004121-HW-002)

With this option the pedestrian crossing is located to the south of the Tape Lane junction, closer to the Post office and store. This would require substantial alterations to the A37 / Tape Lane junction. These alterations are necessary to allow the crossing to be sited at the minimum distances from the junction of both tape lane and Underhill

The alterations to the junction would allow a new footway to be incorporated along Tape Lane from the proposed crossing to the rear access to the Post Office.

A short section of 'one way' entry into Tape Lane will be created, with egress onto the A37 from the Tape Lane area via Chapel Lane.

The alterations to this section of Tape Lane would also enable some on street parking to be accommodated for the Post Office and store.

Existing access to the private properties along Tape Lane will be maintained.

There is one private access on the West side of the A37 to the south of Underhill, which will remain unaffected by the location of the pedestrian crossing.

Chapel Lane is an existing route used by quarry vehicles. However, this route is steep and the visibility at its junction with the A37 to the right is restricted.

4. Recommendations

To provide a pedestrian crossing on the A37 in Gurney Slade the following measures are recommended:

- The pedestrian desire line is agreed between Station Road and Tape Lane.
- A traffic signal controlled pedestrian crossing is recommended.
- Provide appropriate warning signs and road markings on each approach.

With the restricted visibility and steep gradient on Chapel Lane it is not desirable to route all vehicles onto the A37 this way. With option 1, a pedestrian crossing can be provided whilst maintaining the existing layout. Scheme costs are fairly similar for both schemes although there are slight cost savings with option 1.

It is therefore, considered that Option 1 is the recommended solution, but this would be subject to any feed back from consultations with the local community.

5. Cost Estimates

The design fee to design, supervise construction and complete acceptance and handover procedures for the proposed scheme is: **£5,000.**

This figure for design is based on the following assumptions:

- The cost of a traffic speed survey is included
- No alterations to Statutory Undertakers apparatus
- No land acquisition
- No addition for design contingency

Works Costs

Option 1

Puffin Crossing	£55,000
Anti-skid surfacing	£5,000
Street Lighting	£5,000
Contingency 20%	£13,000
Works Cost	£78,000

Total Cost **£83,000**

6. **Appendices**

Option 1 - (Dwg. TI004121-HW-001)
Pedestrian Crossing – North of Tape Lane junction

Option 2 - (Dwg. TI004121-HW-002)
Pedestrian Crossing – South of Tape Lane junction