

**ANGUS COUNCIL**

**COMMUNITIES COMMITTEE – 15 AUGUST 2017**

**KEPTIE STREET, ARBROATH – PEDESTRIAN CROSSING**

**REPORT BY THE HEAD OF TECHNICAL AND PROPERTY SERVICES**

**ABSTRACT**

This report presents the findings of an investigation carried out regarding the potential of a pedestrian crossing on Keptie Street, Arbroath.

**1. RECOMMENDATIONS**

It is recommended that the Committee:

- (i) notes previous investigations and consultations undertaken following the request for a signal controlled pedestrian crossing on Keptie Street, Arbroath;
- (ii) notes the current difficulties which pedestrians, particularly the elderly, encounter when crossing Keptie Street, Arbroath;
- (iii) notes the results of the most recent site surveys carried out following the request to reinvestigate the possibility of installing a signal controlled pedestrian crossing on Keptie Street, Arbroath;
- (iv) determines whether or not a pedestrian crossing shall be provided between Helen Street and Garden Street or between Garden Street and Lochlands Street; and
- (v) determines whether or not a dropped kerb crossing point with associated footway build outs shall be provided near Garden Street.

**2. ALIGNMENT TO THE ANGUS COMMUNITY PLAN/SINGLE OUTCOME AGREEMENT/CORPORATE PLAN**

2.1 This report contributes to the following local outcomes contained within the Angus Community Plan and Single Outcome Agreement 2013-2016:

- Our communities are prosperous and fair
- Our communities are safe and strong
- Our communities are sustainable

**3. BACKGROUND**

3.1 In August 2006, Report No. 1014/06 was submitted to the Infrastructure Services Committee recommending the installation of a “Puffin” style signal controlled pedestrian crossing at Gravesend and Keptie Street, Arbroath and was approved by the Committee. The Keptie Street pedestrian crossing was to have been located in close proximity to the junction with Catherine Street.

3.2 The installation of the two pedestrian crossings subsequently commenced, however work was suspended on the Keptie Street crossing in March 2007 following concerns being raised regarding its location.

3.3 In August 2007 the matter was referred to the Infrastructure Services Committee, where it was agreed that a further detailed review should be undertaken with regards to the most appropriate location for a signal controlled pedestrian crossing in Keptie Street. The matter was also referred to the Angus Council (see **Appendix A** for an extract from the Minute of the Meeting) for further consideration.

- 3.4 In September 2007 at Angus Council it was agreed not to complete the installation of the signal controlled crossing at the originally proposed location adjacent to the junction with Catherine Street and to consider another location in Keptie Street in particular to better serve the residents in the vicinity of Garden Street. The Council further instructed (see **Appendix B** for an extract from the Minute of the Meeting) that a report be brought back to the Infrastructure Services Committee at its meeting in November 2007.
- 3.5 Report No. 1128/07 considered by the Infrastructure Services Committee on 27 November 2007 described the possible installation of a signal controlled pedestrian crossing on Keptie Street, Arbroath located between Helen Street and Garden Street. The Committee directed that a consultation take place on that proposal with various affected parties including the residents and businesses in the area of the proposed pedestrian crossing (see **Appendix C** for an extract from the Minutes of the Meeting). A site visit was also arranged to allow members to view the proposed location for the pedestrian crossing.
- 3.6 In March 2008, Report No. 267/08 submitted to the Infrastructure Services Committee described the findings from the consultation and site visit. The Committee approved the recommendations (see **Appendix D** for an extract from the Minute of the Meeting) detailed within the report; however the matter was referred to Angus Council for further consideration.
- 3.7 On 27 March 2008 at Angus Council it was agreed (see **Appendix E** for an extract from the Minute of the Meeting) that the pedestrian crossing should not be installed but rather that the introduction of traffic management and/or traffic calming measures should be investigated.
- 3.8 In August 2008, Report No. 809/08 considered by the Infrastructure Services Committee described the findings from the traffic management/calming investigation. The Committee agreed (see **Appendix F** for an extract from the Minute of the Meeting) that the introduction of traffic calming measures on Keptie Street would lead to substantial loss of parking and that signing should be provided instead to highlight the presence of the elderly and/or frail pedestrians.
- 3.9 Following this, Report No. 999/08 submitted to the Infrastructure Services Committee in October 2008 recommended that the existing partially completed pedestrian crossing on Keptie Street be removed and that the existing tactile paved surfaces be altered accordingly. The Committee approved (see **Appendix G** for an extract from the Minute of the Meeting) this recommendation; however the matter was referred to Angus Council for further consideration.
- 3.10 On November 2008 at the Angus Council meeting it was agreed (see **Appendix H** for an extract from the Minute of the Meeting) that the partially completed pedestrian crossing should be removed and that the existing tactile surfacing should be altered accordingly.

#### **4. DETAILS**

- 4.1 In February 2017 a request was received from a local ward member to re-investigate the installation of a signal controlled pedestrian crossing on Keptie Street, Arbroath.
- 4.2 A detailed investigation was subsequently undertaken in accordance with the policy for the assessment and provision of signal controlled pedestrian crossings as approved by Infrastructure Services Committee at its meeting on 22 January 2008 (Report No. 95/08) (see **Appendix I**).
- 4.3 An analysis of road traffic accident statistics shows that there has been 1 fatal and 1 slight injury accident involving pedestrians on Keptie Street, Arbroath within the 100m survey area during the most recent 3 year recording period (31 March 2014 – 30 March 2017).
- 4.4 A survey of vehicle and pedestrian movements was carried out on Keptie Street in the vicinity of Helen Street and Garden Street, over a 10 hour standard assessment period (08:00 – 18:00). The survey was carried out on a weekday during school term time in March 2017 and was taken over a standard distance of 100m, centred on the most prevalent pedestrian desire line (see **Appendix J**).
- 4.5 The survey data (see **Appendix K**) showed that the location falls short of the threshold figure (ADPV<sup>2</sup>) of 1.0 (x10<sup>8</sup>) and therefore does not currently justify the provision of a signal controlled pedestrian crossing in accordance with the agreed policy.

- 4.6 Although the results of the survey did not amount to 100% of the ADPV<sup>2</sup> value required, the value falls within the range where Angus Council policy states that “detailed site evaluation will be carried out to determine a suitable solution which may include a central refuge; a zebra crossing; or a signalled controlled crossing”.

## 5. PROPOSALS

- 5.1 **Option 1** – Installation of a signal controlled pedestrian crossing on Keptie Street between Helen Street and Garden Street.

5.1.1 The proposed siting of a signal controlled pedestrian crossing on Keptie Street, between Helen Street and Garden Street, as detailed in **Appendix L**, would require the footway along the south of the crossing to be widened to 2m between Garden Street and Gowan Street such that suitable space would be available for pedestrians. A 3m footway build out would be required in the immediate vicinity of the crossing to provide the recommended visibility for westbound vehicles approaching the signals. The removal of approximately 26m of existing vehicle parking facilities adjacent to the southern footway as well as the removal of approximately 6m of vehicle parking facilities along the northern footway would be required to successfully deliver a signal controlled pedestrian crossing at this location.

- 5.1.2 A standalone signal controlled pedestrian crossing that meets current standards and guidance and is located on the current desire line of pedestrians could be delivered at this location.

- 5.2 **Option 2** - Installation of a signal controlled pedestrian crossing on Keptie Street between Garden Street and Lochlands Street.

5.2.1 The proposed siting of a signal controlled pedestrian crossing on Keptie Street, between Garden Street and Lochlands Street, as detailed in **Appendix M**, would require the removal of approximately 62m of existing parking facilities adjacent to the northern footway in order to provide the recommended visibility lines for eastbound approaching vehicles. Recommended visibility distances are not possible for vehicles approaching westbound due to the curvature of the road and the buildings located along the southern side of Keptie Street. The existing bus stop would require to be relocated westwards which in turn would require the removal of approximately 26m of existing vehicle parking facilities to accommodate the installation of a crossing at this location.

- 5.2.2 A standalone signal controlled pedestrian crossing that best meets current standards and guidance, however with reduced visibility and which is located out with the current desire line of pedestrians could be delivered at this location.

- 5.3 **Option 3** – Installation of a footway build-out with associated dropped kerbs at the junction of Keptie Street and Garden Street.

5.3.1 The proposed siting of a dropped kerb crossing point on Keptie Street, to the west of its junction with Garden Street, as detailed in **Appendix N**, would require the footway along the north side of the crossing point to be built out to a width of approximately 4.7m to provide suitable visibility of approaching vehicles. The removal of approximately 11m of existing vehicle parking facilities adjacent to the northern footway would be required to successfully deliver a dropped kerb crossing facility at this location.

5.3.2 The objections received during the previous consultation with local residents and retailers in 2007/08, for the installation of a pedestrian crossing between Helen Street and Garden Street, mainly revolved around the loss of 4 car parking spaces to form build outs for the crossing. There are limited parking spaces available in the area therefore the loss of four spaces may have an adverse effect on the businesses in the area that rely on passing stopping and using these businesses.

5.3.3 Given the adverse reaction to the loss of parking spaces associated with the previous proposal for the provision of a pedestrian crossing it may reasonably be inferred that the same objections would be expressed again if a further consultation were undertaken.

5.4 Given the history of debate over the provision of a crossing at this locus, the Committee are asked to consider the above given the recent fatal accident and determine the option to be pursued. In doing so the Committee may be minded to note the following.

- 5.5 The PUFFIN (Pedestrian User-Friendly Intelligent) crossing is now the most commonly employed type of signal controlled pedestrian crossing. Pedestrian detection is used to vary the length of the pedestrian green period, giving pedestrians the time they need to cross. By replacing the flashing amber period with a steady red signal to vehicular traffic, the Puffin gives pedestrians (particularly older people and those with mobility difficulties) a greater sense of protection compared with a Pelican crossing. The pedestrian signals are normally mounted on the nearside on primary poles and are positioned to allow pedestrians to watch approaching traffic, while keeping the pedestrian signal in their field of view. This is particularly helpful for those people having visually impairment using crossings who may find difficulty in clearly discerning signals mounted on the far side of the road.
- 5.6 The Roads Traffic Regulation Act 1984 (as amended) requires the Council to give "Public Notice" of its intention to establish, alter or remove a pedestrian crossing. The Council is also required by the statute to consult with the Chief Constable regarding any proposals.
- 5.7 It is noted that advice given in the Department for Transport assessment guidelines, which is also contained within the Angus Council approved policy, is that caution needs to be exercised where pedestrian flows are generally light for long periods of the day. Drivers who become accustomed to not being required to stop at the crossing may begin to ignore its existence, with dangerous consequences.
- 5.8 Should the Committee determine to proceed with either the installation of a signal controlled pedestrian crossing and associated works on Keptie Street at either of the locations shown in **Appendix L** or **Appendix M**, or the installation of a dropped kerb crossing point with associated footway build outs near Garden Street as shown in **Appendix N**, it is proposed that the installation will be undertaken within the financial year 2017/18.

## **6. FINANCIAL IMPLICATIONS**

- 6.1 The estimated cost to install a "puffin" style signal controlled pedestrian crossing, including associated works between Helen Street and Garden Street is £45,000 and is £35,000 for the location between Garden Street and Lochlands Street, which could be funded from the 2017/18 Traffic Signals Capital Budget.
- 6.2 There will also be ongoing maintenance costs associated with the establishment of a signal controlled pedestrian crossing, of approximately £400 per annum, which would require to be met from the Revenue Budget for Traffic Signals Maintenance, within the overall Roads Revenue Budget.
- 6.3 The estimated cost to install a dropped kerb crossing point with footway build out and associated works near Garden Street is £10,000 which could be funded from the 2017/18 Traffic Capital Budget.

## **7. CONCLUSION**

This report details the results of an investigation into the proposed installation of a signal controlled pedestrian crossing on Keptie Street, Arbroath following a request from a local ward member. The Committee is asked to make a determination with regards to the three proposed options which are shown in **Appendices L to N**.

## **8. CONSULTATION**

The Chief Executive, Strategic Director – Place, Head of Corporate Finance, Head of Legal & Democratic Services and the local Police Commander for Tayside Division have been consulted in the preparation of this report.

**NOTE:** The background papers, as defined by Section 50D of the Local Government (Scotland) Act 1973 (other than any containing confidential or exempt information) which were relied on to any material extent in preparing the above report are:

- Report No. 1014/06: Gravesend and Keptie Street, Arbroath proposed "Puffin" Pedestrian Crossing
- Report No. 1128/07: Proposed Pedestrian Crossing at Keptie Street, Arbroath between Helen Street and Garden Street
- Report No. 95/08: The Assessment and Provision of Pedestrian Crossings
- Report No. 267/08: Proposed Pedestrian Crossing at Keptie Street, Arbroath between Helen Street and Garden Street
- Report No. 809/08: Traffic Calming – Keptie Street, Arbroath
- Report No. 999/08: Removal of Pedestrian Crossing Keptie Street, Arbroath

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List of Appendices:

- Appendix A: Extract from Minute of Meeting of Infrastructure Services Committee on 28 August 2007
- Appendix B: Extract of Minute of Meeting of Angus Council on 20 September 2007
- Appendix C: Extract of Minute of Meeting of Infrastructure Services Committee on 27 November 2007
- Appendix D: Extract from Minute of Meeting of Infrastructure Services Committee on 4 March 2008
- Appendix E: Extract of Minute of Meeting of Angus Council on 27 March 2008
- Appendix F: Extract of Minute of Meeting of Infrastructure Services Committee on 26 August 2008
- Appendix G: Extract of Minute of Meeting of Infrastructure Services Committee on 14 October 2008
- Appendix H: Extract of Minute of Angus Council of 6 November 2008
- Appendix I: Policy for Provision of Signal Controlled Crossings
- Appendix J: Pedestrian Crossing Assessment Location Plan
- Appendix K: Vehicle & Pedestrian Survey Results
- Appendix L: Option 1 – Draft Signalised Pedestrian Crossing Layout - Keptie Street, Arbroath between Helen Street and Garden Street
- Appendix M: Option 2 – Draft Signalised Pedestrian Crossing Layout – Keptie Street, Arbroath between garden Street and Lochlands Street
- Appendix N: Option 3 – Draft Dropped Kerb Crossing Point Layout – Keptie Street, Arbroath near Junction with Garden Street

**Extract from the Minute of the Infrastructure services Committee held in the Town and County Hall, Forfar on Tuesday 28 August 2007 at 4.00pm**

4. NOTICE OF MOTIONS IN TERMS OF STANDING ORDER 24(1)

(a) Keptie Street, Arbroath – proposed Pedestrian Crossing

COUNCILLAR MILLAR, SECONDED BY COUNCILLOR BROWN, MOVED THAT THE COMMITTEE RECONSIDER THE DECISION TO APPROVE THE INSTALLATION OF A “PUFFIN” STYLE PEDESTRIAN CROSSING AT KEPTIE STREET, ARBROATH AND CALL ON THE DIRECTOR OF INFRASTRUCTURE SERVICES TO REPORT ON THE BACKGROUND TO THE DECISION AND REVIEW THE LOCATION OF THE PROPOSED CROSSING.

Councillor Millar then circulated letters of objection received in connection with the proposed crossing and the committee agreed to adjourn for five minutes to allow members the opportunity to read the letters of objection.

Thereafter Councillor King, seconded by Councillor Oswald, moved as an amendment that:-

(i) the Committee ratifies the unanimous decision of the meeting of the Infrastructure Services Committee of 26 August 2006 (Article 22) to implement the recommendations of Report No 1014/06;

(ii) to note that a significant amount of physical works involved in the installation had been already completed; and

(iii) to instruct the Director of Infrastructure Services to take prompt action to complete the installation and early commissioning of the “Puffin” style crossing at Keptie Street, Arbroath as detailed in Report 1014/06.

On a vote being taken, the members voted:-

For the motion:-

Councillors May, Brown, Mackintosh, Millar, Murphy, Myles, Salmond and Whyte (8)

For the amendment:-

Councillors Ellis, Gaul, King, Oswald, Palmer, Spink and West (7)

The motion was declared carried and became the finding of the meeting.

**Extract of Minute of Angus Council held in the Town and County Hall, Forfar on Thursday 20 September 2007 at 4.00pm**

2. DECLARATIONS OF INTEREST

Declarations of interest were made by:-

- Councillor Fairweather in item 4(h) (Article 4(a) – Proposed Pedestrian Crossing at Keptie Street, Arbroath), as he was the spokesperson for Arbroath Business Association. He therefore would not participate in discussion and voting on the matter.

4 MINUTES OF COUNCIL AND COMMITTEES

(h) Infrastructure Services Committee

The minute of the meeting of the Infrastructure Services Committee of 28 August 2007 was submitted and, except as noted hereunder, approved.

(i) Keptie Street, Arbroath – Proposed Pedestrian Crossing

With reference to Article 4(a) of the minute, Councillors King and Gaul had referred the Committee's decision for determination by the Council, in accordance with Standing Order 39(3).

Councillor Fairweather left the meeting at this point, having declared an interest at Article 2 above.

COUNCILLOR MAY, SECONDED BY COUNCILLOR BROWN, MOVED THAT THE COUNCIL RESOLVES NOT TO PROCEED WITH THE INSTALLATION OF A "PUFFIN" STYLE CROSSING AT THE JUNCTION OF KEPTIE STREET AND CATHERINE STREET, ARBROATH, AND TO INSTRUCT THE DIRECTOR OF INFRASTRUCTURE SERVICES TO REPORT BACK TO THE MEETING OF THE INFRASTRUCTURE SERVICES COMMITTEE IN NOVEMBER 2007 WITH A DIFFERENT LOCATION FOR A CROSSING, HAVING DUE REGARD TO THE REQUEST OF ELDERLY RESIDENTS IN GOWAN STREET.

Councillor King, seconded by Councillor Oswald, moved as an amendment that the Council resolves:-

(i) to ratify the unanimous decision of the meeting of the Infrastructure Services Committee of 26 August 2006 (Article 22) to implement the recommendations of Report No 1014/06;

(ii) to note that a significant amount of the physical works involved in the installation had been already completed; and

(iii) to instruct the Director of Infrastructure Services to take prompt action to complete the installation and early commissioning of the "Puffin" style crossing at Keptie Street, Arbroath as detailed in Report No 1014/06.

After hearing Councillors Millar, Morrison, Nield and Welsh, the Provost, seconded by Councillor Brown, moved in accordance with Standing Order 17, that "the question be now put".

On a vote being taken, the members voted:-

For the motion:-

Provost Leslie Melville, Depute Provost Murphy, Councillors Andrews, Brown, Lumbair, Mackintosh, May, Millar, Myles, Nield, Rymer, Salmond, Thomson and Whyte (14)

Against the motion:-

Councillors Ellis, Evans, Gaul, King, Bill Middleton, Glennis Middleton, Morrison, Murray, Oswald, Palmer, Spink, Valentine, Welsh and West (14)

There being an equality of votes, the Provost exercised her casting vote in favour of the motion and thereupon invited Councillor May to sum up:

On a vote being taken, members voted:

For the substantive motion (by Councillor May):-

Provost Leslie Melville, Depute Provost Murphy, Councillors Andrews, Brown, Lumgair, Mackintosh, May, Millar, Myles, Nield, Rymer, Salmond, Thomson and Whyte (14)

For the amendment (by Councillor King):-

Councillors Ellis, Evans, Gaul, King, Bill Middleton, Glennis Middleton, Morrison, Murray, Oswald, Palmer, Spink, Valentine, Welsh and West (14)

There being an equality of votes, the Provost exercised her casting vote in favour of the motion and the Council resolved accordingly.



**Extract from Minute of Meeting of the Infrastructure Services Committee held in the Town and County Hall, Forfar on Tuesday 27 November 2007 at 4.00pm**

**28. PROPOSED PEDESTRIAN CROSSING AT KEPTIE STREET, ARBROATH BETWEEN HELEN STREET AND GARDEN STREET**

With reference to Article 4 of the meeting of this Committee of 28 August 2007 and Article 4(h)(i) of the minute of meeting of Angus Council of 20 September 2007, there was submitted Report No 1128/07 by the Director of Infrastructure Services setting out an option for the installation of a "puffin" style pedestrian crossing at Keptie Street in Arbroath, to be located between Helen Street and Garden Street, following earlier direction from the Infrastructure Services Committee and the full Council.

The Report indicated that, following additional detailed investigations, an option for the installation of a controlled crossing had been identified and the Committee's instruction was sought with regard to the progression of the option described.

Following discussion and having heard from the Convener and a number of other members, the Committee agreed:-

(i) to note the content of the Report;

(ii) to defer any decision to allow members of the Committee to visit the site with appropriate Council officers and the Police;

(iii) to instruct the Director of Infrastructure Services to arrange such a site meeting;

(iv) to instruct the Director of Infrastructure Services to undertake the consultation described in paragraph 3.6 of the Report in parallel with the arrangements for the meeting set out above; and

(v) to instruct the Director of Infrastructure Services to bring a further Report back to this Committee also addressing the accident risk associated with the installation at the location proposed complete with large scale detailed drawings.

At this point, the Committee agreed, in accordance with Standing Order 20(8) that the meeting proceed beyond the three hour limit to the conclusion of the remaining business.

**Extract from the Minute of Meeting of the Infrastructure Services Committee held in the Town and County Hall, Forfar on Tuesday 4 March 2008 at 4.00pm**

22. PROPOSED PEDESTRIAN CROSSING AT KEPTIE STREET, ARBROATH BETWEEN HELEN STREET AND GARDEN STREET

With reference to Article 28 of the minute of meeting of this Committee of 27 November 2007, there was submitted Report No 267/08 by the Director of Infrastructure Services detailing the findings of the consultation regarding the possible installation of a puffin style pedestrian crossing at Keptie Street, Arbroath located between Helen Street and Garden Street together with the available options.

COUNCILLOR FAIRWEATHER, SECONDED BY COUNCILLOR MYLES, MOVED THAT THE COMMITTEE AGREE:-

- (i) TO NOTE THE COMMENTS MADE DURING THE CONSULTATION PROCESS;
- (ii) TO DETERMINE NOT TO PROCEED WITH THE INSTALLATION OF A PEDESTRIAN CROSSING AT KEPTIE STREET BETWEEN HELEN STREET AND GARDEN STREET; AND
- (iii) TO INSTRUCT THE DIRECTOR OF INFRASTRUCTURE SERVICES TO BRING A REPORT BACK TO A FUTURE MEETING OF THE COMMITTEE HAVING CONSIDERED THE OPTIONS FOR TRAFFIC MANAGEMENT AND/OR TRAFFIC CALMING MEASURES TO REDUCE TRAFFIC SPEEDS AND THE CONFLICT BETWEEN TRAFFIC AND PEDESTRIANS.

Councillor King moved an amendment, but having heard from the Head of Law and Administration, the Convener ruled that, in accordance with provisions of Standing Order 25(1) (alteration or revocation of previous decision – the “6 month rule”), items 4, 5 and 6 of his proposed amendment were not competent.

Thereafter, and in accordance with the provisions of Standing Order 26(2), Councillor Gaul, seconded by Councillor Palmer moved, as a procedural motion, that Standing Order 25(1) be suspended.

On a vote being taken, the members voted:-

For suspension:-

Councillors Ellis, Gaul, King, Palmer, Spink and West (6)

Against suspension:-

Councillors May, Fairweather, Mackintosh, Lumgair, Murphy, Myles, Salmond and Whyte (8)

(Councillor Oswald having left the meeting prior to the vote).

The procedural motion failed to receive the vote of two thirds of the members present and voting, as required by Standing Order 26(2), resulting in Standing Order 25(1) not being suspended. The motion by Councillor Fairweather was thereupon declared carried and became the finding of the meeting.

In accordance with the provisions of Standing Order 39(3)(i), Councillors King and Gaul indicated that they wished the matter referred to the Council for a decision.

**Extract from Minute of Meeting of Angus Council held in the Town and County Hall, Forfar on Thursday 27 March 2008 at 4.00pm**

4. MINUTES OF COUNCIL AND COMMITTEES

(n) Infrastructure Services Committee

The minute of meeting of the Infrastructure Services Committee of 4 March 2008 was submitted and, except as noted hereunder, approved.

Proposed Pedestrian Crossing At Keptie Street, Arbroath

With reference to Article 22, Councillors Gaul and King referred the Committee's decision for determination by the Council in accordance with Standing Order 39(3).

COUNCILLOR MAY, SECONDED BY COUNCILLOR FAIRWEATHER, MOVED THAT THE COUNCIL APPROVES THE DECISION OF THE COMMITTEE AS RECORDED IN THE MINUTE OF THE MEETING.

That, in view of the fact that the Director of Infrastructure Services has now submitted Report No 267/08, giving details of the public consultations regarding the proposed installation of a "Puffin" style pedestrian crossing at Keptie Street, Arbroath between Helen Street and Garden Street, as detailed in Report No 1128/07, the Council resolves:-

(i) to note the comments received during the consultation process regarding the possible installation of a pedestrian crossing on Keptie Street in Arbroath, to be located between Helen Street and Garden Street;

(ii) to note, in particular, the comments of the Chief Constable of Tayside Police regarding the greater need for a pedestrian crossing in Keptie Street/West Port, Arbroath near to the junction with Catherine Street;

(iii) to agree not to install a pedestrian crossing on Keptie Street, Arbroath, located between Helen Street and Garden Street as was proposed in Report No 1128/07;

(iv) to agree to now ratify the previous unanimous decision of the meeting of the Infrastructure Services Committee of 26 August 2006, at item 22, to implement the recommendations of Report No 1014/06 and install a pedestrian crossing on Keptie Street, Arbroath, located between Catherine Street and the Station;

(v) to note that a significant amount of the physical works necessary for the installation of a pedestrian crossing at this location have already been completed;

(vi) to instruct the Director of Infrastructure Services to now take prompt action to complete the installation and early commissioning of the partially completed "Puffin" style pedestrian crossing at Keptie Street, Arbroath, between Catherine Street and the Station, as detailed in Report 1014/06; and

(vii) to instruct the Director of Infrastructure Services to bring an early report to a future meeting of the Committee considering additional options for Traffic Management and/or Traffic Calming measures aimed at reducing both traffic speeds and the conflict between traffic and pedestrians in Keptie Street.

On a vote being taken, the members voted:-

For the motion:-

Provost Leslie Melville, Councillors Murphy, Andrews, Brown, Fairweather, Lumgair, Mackintosh, May, Millar, Myles, Nield, Rymer, Salmond, Thomson and Whyte (15)

For the amendment:-

Councillors Ellis, Evans, Gaul, King, Morrison, Murray, Palmer, Spink, Valentine and West (10)

The motion was declared carried and the Council resolved accordingly.

**Extract from the Minute of meeting of the Infrastructure Services Committee held in the Town and County Hall, Forfar on Tuesday 26 August 2008 at 4.00pm**

2. DECLARATIONS OF INTEREST

- Councillor Fairweather declared an interest in item 34 as his co-habitee leased a business in Keptie Street, Arbroath. He indicated that he would not take part in any discussion or voting on the matter.

34. TRAFFIC CALMING – KEPTIE STREET, ARBROATH

Councillor Fairweather, having declared an interest at Article 2 above, left the meeting during consideration of this item.

With reference to Article 4(n) of the minute of meeting of Angus Council of 27 March 2008, there was submitted Report No 809/08 by the Director of Infrastructure Services detailing investigations carried out in respect of possible traffic calming on Keptie Street, Arbroath.

The Report indicated that traffic calming would lead to a substantial loss of parking and therefore signing as described in the Report should be provided to highlight the presence of elderly and/or frail pedestrians.

The Committee agreed:-

- (i) to note the investigations carried out for the provision of traffic calming on Keptie Street.
- (ii) to approve the installation of signage to indicate frail or disabled pedestrians likely to be crossing the road ahead.

**Extract from the minute of Meeting of the Infrastructure Services Committee held in the Town and County Hall, Forfar on Tuesday 14 October 2008 at 4.00pm**

2. DECLARATION OF INTEREST

Councillor Fairweather declared an interest in item 23 as his co-habitee leased a business in Keptie Street, Arbroath. He indicated that he would not be taking part in any discussion or voting on the matter.

23. REMOVAL OF PEDESTRIAN CROSSING KEPTIE STREET, ARBROATH

Councillor Fairweather, having declared in interest at Article 2 above, left the meeting during consideration of this item.

With reference to Article 34 of the minute of meeting of this Committee of 26 August 2008, there was submitted Report No 999/08 by the Director of Infrastructure Services seeking approval to remove the partially constructed pedestrian crossing in Keptie Street, Arbroath.

COUNCILLOR MAY, SECONDED BY COUNCILLOR MYLES, MOVED THAT THE COMMITTEE AGREES:-

(i) TO APPROVE THE REMOVAL OF THE EXISTING PARTIAL PEDESTRIAN CROSSING; AND

(ii) TO APPROVE THE REPLACEMENT OF THE RED COLOURED TACTILE PAVING SURFACE ASSOCIATED WITH SIGNALISED CROSSINGS WITH A BUFF COLOURED TACTILE PAVING SURFACE ASSOCIATED WITH UNCONTROLLED CROSSINGS, IN ACCORDANCE WITH THE GUIDANCE ON THE USE OF TACTILE PAVING SURFACES.

Councillor King, seconded by Councillor Palmer, moved as an amendment, that the Committee agrees:-

(i) not to remove the existing partial pedestrian crossing; and

(ii) not to replace the red coloured tactile paving surface associated with the signalised crossings and not replace it with buff coloured tactile paving surface associated with uncontrolled crossings.

On a vote being taken, the members voted:-

For the motion:-

Councillors may, Mackintosh, Millar, Murphy, Myles, Salmond and Whyte (7)

For the amendment:-

Councillors King, Morrison, Murray, Oswald, Palmer, Spink and West (7)

There being an equality of votes, the Convener exercised his casting vote in favour of the motion, which became the findings of the meeting.

In accordance with the provisions of Standing Order 39(3)(i), Councillors King and Palmer indicated that they wished the matter referred to the Council for a decision.

**Extract from the Minute of Meeting of Angus Council held in the Town and County Hall, Forfar on Thursday 6 November 2008 at 4.00pm**

2. DECLARATIONS OF INTEREST

Councillor Fairweather declared a non-financial interest in item 3(g)(ii) as his cohabitee leased a business in Keptie Street, Arbroath. He indicated that he would not be taking part in any discussion or voting on the matter.

3. MINUTES OF COUNCIL AND COMMITTEES

(g) Infrastructure Services Committee

The minute of meeting of the Infrastructure Services Committee of 14 October 2008 was submitted and except as detailed hereunder, noted:

(ii) Removal of Pedestrian Crossing in Keptie Street, Arbroath

With reference to Article 23, Councillors King and Palmer had referred the Committee's decision for determination by the Council in accordance with Standing Order 39(3).

COUNCILLOR MAY, SECONDED BY COUNCILLOR BROWN, MOVED THAT THE COUNCIL APPROVES THE DECISION OF THE COMMITTEE AS RECORDED IN THE MINUTE OF THE MEETING.

Councillor King, seconded by Councillor Spink, moved, as an amendment, that the Council resolves:

(i) not to remove the existing partial pedestrian crossing;

(ii) not to remove the red coloured tactile paving surface associated with the signalled crossings and not to replace it with buff tactile paving surface associated with uncontrolled crossing;

(iii) to note the previous comments of both the Chief Constable of Tayside and the Director of Infrastructure Services regarding the greater need for a pedestrian crossing in Keptie Street/West Port, Arbroath, near to the junction with Catherine Street which have not changed since August 2006;

(iv) to now agree to ratify the previous unanimous decision of the meeting of the Infrastructure Services Committee of 26 August 2006, at item 22, to fully implement the recommendations of Report No 1014/06 and install a Puffin style pedestrian crossing on Keptie Road, Arbroath between Catherine Street and the Station;

(v) to note that a significant amount of the physical works necessary for the installation of a pedestrian crossing at this location have already been completed; and

(vi) to instruct the Director of Infrastructure Services to now take prompt action to complete the installation and early commissioning of the partially completed Puffin style pedestrian crossing at Keptie Street, Arbroath, between Catherine Street and the Station, as detailed in Report No 1014/06.

On a vote being taken, the members voted:

For the motion:

Provost Leslie Melville, Councillors Murphy, Andrews, Brown, Fairweather, Lumgair, Mackintosh, May, Millar, Myles, Nield, Rymer, Salmond, Thomson and Whyte (15)

For the amendment:

Councillors Ellis, Evans, Gaul, King, Glennis Middleton, Bill Middleton, Morrison, Murray, Oswald, Palmer, Spink, Valentine, Welsh and West (14)

The motion was declared carried and the Council resolved accordingly.



## **POLICY FOR SIGNAL CONTROLLED CROSSINGS**

The assessment formula can be expressed as follows:-

ADPV<sup>2</sup>, where

A = accident weighted factor

D = difficulty factor

P = weighted sum of pedestrian movements

V = weighted factor of traffic

The formula will be considered to be met 100% when the value of ADPV<sup>2</sup>, based on the average of the four busiest hours for the PV<sup>2</sup> element, equals or exceeds  $1.0 \times 10^8$  (100 million) for a single carriageway road, or  $2.0 \times 10^8$  for a dual carriageway.

The levels of justification on a road, for instance a dual carriageway, where it would be appropriate to install 2 separate crossings, will require justification to be double that of a single carriageway road. This is because pedestrians will be provided with two separate crossing points, each dealing with one direction of traffic flow.

For site where the value of ADPV<sup>2</sup> is equal to or exceeds 0.5, detailed site evaluation will be carried out to determine a suitable solution which may include a central refuge; a zebra; or a signal controlled crossing. This prioritisation based on the ADPV<sup>2</sup> value will help the committee to prioritise programmes and allocate available budgets.

Local Transport Note No. 2/95 gives detailed guidance on the design, installation and operation of crossings. It explains how to take account of all types of junctions, school crossing patrols, visibility, crossing width, guard railing, surfacing of the carriageways and footways, facilities for the disabled, lighting, signing, bus stops and street furniture.