



Accessible Arbroath

A92 Active Travel Corridor Study

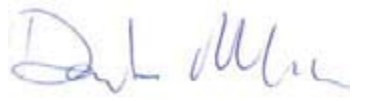
Angus Council

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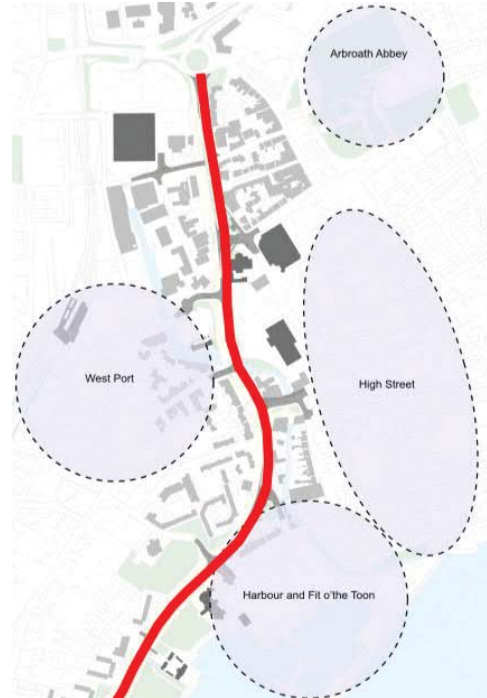
Executive Summary

Executive Summary

AECOM have been appointed by Angus Council to examine potential transport access improvements along the A92 Burnside Drive corridor. This study follows an Architecture & Design Scotland 'Place Challenge' that occurred in 2015, an Arbroath Town Centre design charrette which was undertaken at the start of 2016 by Austin Smith Lord and a town centre accessibility study that was undertaken by Systra in 2017. These previous studies highlighted the A92 Burnside Drive as a major cause of severance within Arbroath and, suggested options and improvements which could be included to increase town centre accessibility.

In order to appreciate the existing Arbroath settlement and the function of the A92 Burnside Drive various site visits were undertaken during January, February and March 2018. In addition, traffic and pedestrian surveys were undertaken along the corridor during the month of February to supplement previous information gathered as part of the 2016 and 2017 Arbroath studies.

This commission's original study area included from the A92 Burnside Drive/ Guthrie Port Roundabout in the north, to the A92/ East Mary Street/ Harbour Roundabout in the South. Following an initial site visit and inception meeting the study area was expanded to cover to Gayfield Stadium in the south where the existing dual carriageway commences.



The various constraints along the corridor have been identified, which in turn has enabled initial concepts and ideas for the corridor to be explored. In exploring options it is important to incorporate project aims as well as those of the potential funding partner Sustrans as shown below.

Project Aims

- To create an attractive, legible and safe place for people to walk and cycle through Arbroath. The route will focus on improving access along both the north to south route as well as at key crossing nodes from west to east to better connect Arbroath across the A92 corridor.
- To involve the Arbroath community in the shaping of the proposed Active Travel Route, including consultation and providing facilities that support local needs.
- To enhance the streetscape of the A92 with coastal style planting, specimen trees, high quality materials and interactive play/art features.
- To maximise the environmental benefit of the route by strengthening local biodiversity with large areas of dedicated planting. Planting will need to be resilient to the coastal climate and will also help to create micro-climates in areas that are currently exposed, improve amenity, provide increased drainage for surface water and improve local biodiversity.

Sustrans Community Links

- Create infrastructure that enables people to walk, cycle or use another active travel mode as their preferred mode of travel for everyday journeys.
- Meet the needs of communities, providing people with the opportunity to shape their local environment and link the places they live with the places they want to go.
- Raise the standards by using innovative and imaginative approaches for community and business engagement, design and construction of walking and/or cycling projects.
- Encourage placemaking that promotes greater use of public space and higher levels of active travel.
- Create an enabling context/environment for active travel that facilitates the delivery of other projects.

Traffic Modelling

This study has been informed by the collection of baseline traffic data including junction turning count and queue surveys. A Future Baseline Scenario has been devised taking into account the additional future traffic impact from notable allocated development sites in the Angus LDP. This likely impact has been calculated through the application of data contained within the Trip Rate Information Computer System (TRICS) database and the 2011 Census.

Traffic modelling results demonstrate that the alteration of the dual carriageway to a single 2-way carriageway can be accommodated with all junctions continuing to operate within capacity. It should be borne in mind that the analysis has included additional traffic flows from Local Development Plan allocations which has provided an added robustness to the assessment. The initial layout options are at a feasibility stage and would be subject to change during preliminary and detailed design as further information is gathered on utilities as well as feedback from public consultation and stakeholder engagement. It has however also been demonstrated through spatial considerations that sufficient land is available to alter the proposed junction layouts further, such as extending flared sections, in order to increase capacity further, if required.

Environment/ Streetscape Considerations

While the modelling exercise has demonstrated that it is possible to create a dedicated cycle lane along the A92 by reallocating road space, this in itself would not provide an environment conducive to encouraging some people to alter their travel habits from private car use to walking and cycling. It is currently possible to walk along 2-metre footpaths that bound the existing A92 dual carriageway. The current environment is not however one which inspires and motivates people to actively choose to travel the route via foot or cycle. In order to provide a step change and encourage local residents to walk and cycle as well as bring tourism back to Arbroath, the Accessible Arbroath project would see a focus on improving the environment surrounding the new infrastructure, as well as link the town with natural assets such as the Harbour, Tower Museum, and seafront adjacent Gayfield. This would include:

- Planting & Drainage

Increasing vegetation within urban places can bring about many benefits. Most noticeably planting provides an opportunity to green our urban places and fill them with colour. Planting areas could be designed to provide Sustainable Urban Drainage (SuDs), which is a natural method for managing urban drainage by slowing the rate at which water flows, storing water to reduce pressure on the main drainage system, while also providing a level of treatment for the water.



- Streetscape

Street furniture, play and public art all have the potential to enrich the experience of everyday journeys such as a walk into town or to the transport hubs. With the extra space provided by reducing the road carriageway there will be more opportunities to integrate seating, play and public art features, which have the potential to create interesting and dynamic streetscapes.



- Active Travel

It is envisaged that the A92 route will be traffic free and segregated from the road with a planted buffer on the majority of the route to create a high quality environment. This would encourage walking and cycling along the route by local residents and business, but it would also make an attractive corridor to compliment some of Arbroath's natural assets such as the Tower museum and Harbour, linking these locations in the south with the town centre and rail station in the north.



Public Consultation

Overall the proposal to alter the A92 from a dual carriageway to a 2-way signal carriageway has been well received by residents and businesses with many providing valuable feedback into how the scheme could be further enhanced. It is acknowledged by many that there could be wider reaching benefits for Arbroath through the delivery of this transport infrastructure project.

Of the limited negative comments received, the majority of these focus on traffic capacity of the A92 and the potential congestion with alterations to the dual carriageway. As has been discussed and assessed within this report, the dual carriageway can be adapted to a single carriageway without any of the junctions along the corridor experiencing capacity issues. This assessment has also included Local Development Plan allocations in order to provide a robust test of future traffic flows along the corridor.

Summary and Conclusion

The Accessible Arbroath study has established that it would be possible to create a high quality active travel route along the A92 while maintaining capacity on the local road network. The associated consultation response has widely been one of welcoming the proposals which are seen to have wide ranging benefits in terms of access, health, and tourism. Some reservation has been expressed by a limited number as to the road network capacity and how this would operate if the dual carriageway was removed, however as has been demonstrated through traffic modelling, all junctions along the dual carriageway section would continue to operate within capacity when the dual carriageway is modified to single lane operation.

A high level cost estimate has been prepared of the potential infrastructure improvements along the corridor which has been benchmarked against recent pricing examples across Scotland and estimates the cost to be in the region of £7.5M to £10M. This would be in line with a possible Sustrans Community Links PLUS application and it is recommended that Angus Council continue a good dialogue with Sustrans into progressing this.

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Introduction

01

1. Accessible Arbroath Study

1.1 Introduction & Background

AECOM have been appointed by Angus Council to examine potential transport access improvements along the A92 Burnside Drive corridor. This study follows an Architecture Design Scotland 'Place Challenge' that occurred in 2015, an Arbroath Town Centre design charrette which was undertaken at the start of 2016 by Austin Smith Lord and a town centre accessibility study that was undertaken by Systra in 2017. These previous studies highlighted the A92 Burnside Drive as a major cause of severance within Arbroath and, suggested options and improvements which could be included to increase town centre accessibility.



1.2 Objectives & Aims

The aims of this study are to review the A92 Burnside Drive in the context of Arbroath and its current transport needs, with a review of traffic flows along the corridor to create opportunity for enhanced cycle and pedestrian accessibility within, and to, Arbroath Town Centre. The study seeks to address:

- the perceptual and physical severance of Arbroath by the A92 Burnside Drive; and
- Lack of safe, clear and attractive cycle/walking connections between and through the town centre, residential areas and core paths on the outskirts.

This study will model traffic flow on the A92 Burnside Drive and identify options for modification of the corridor through the design of alternative enhancements to active travel routes on and across the A92. It will demonstrate that proposed design solutions will not compromise existing public transport routes or adversely affect the traffic flows within and adjacent to the project area. The outputs of this study will include:

- Results of traffic surveys and assessment of potential for realigning/ modifying the A92 Burnside Drive to accommodate enhanced active travel opportunity.
- Impact of subsequent proposed road and/ or crossing improvement(s) on the existing road network.
- Clear and concise options for the implementation of improved road and crossing facilities for pedestrians and cyclists in order to enable the Council to make an informed decision on the best course of action.
- Proposals for active travel corridor/ crossing options which include: visualisations; outline designs; and estimated costs for the implementation of the proposed schemes. Designs will maximise environmental benefits where possible.

1.3 Summary of Previous Work

A review has been undertaken of the previous Design Charrette and Town Centre Accessibility study, which highlighted a number of key issues which include:

Poor Connections

- From West Port/ railway station and bus station to town;
- From town to Harbour and Abbey; and
- Between core Path Links.



Poor Accessibility

- Missing dropped kerbs;
- Footway obstructions; and
- Difficult underfoot conditions.

Poor Design

- Signage in town centre ageing;
- Parking signage disjointed; and
- Dropped kerbs are not to standard.

Poor Sense of arrival by road and rail



The previous studies also highlighted that residents and visitors, especially wheelchair users and people with visual impairments face difficulties in moving around the town centre and its surrounding areas. Those difficulties are caused by:

- Lack of sensory pavements and adequate space for wheelchairs to pass between obstructions;
- Uneven pavement; and
- Misplaced drop kerbs and cars parked over existing drop kerbs.

1.4 Methodology

Following on from the previous work undertaken in Arbroath, the current study will be undertaken in the following six stages:

Chapter 2: Site Visit & Review – The study area was subject to a walkover survey and issues were identified, documented and photographed. Strengths and weaknesses of the area to the potential active travel network were identified.

Chapter 3: Option Appraisal and Route Development – A series of options were considered and assessed against the information gathered from the desktop review and site assessment.

Chapter 4: Traffic Modelling – Some of the options considered will have implications to the existing road network and therefore the capacity of the existing road network will be considered along with the future operation including aspects such as the Local Development Plan allocations.

Chapter 5: Streetscape & Landscaping Visualisation - In order to provide a step change and encourage local residents to walk and cycle as well as bring tourism back to Arbroath, the Accessible Arbroath project would see a focus on improving the environment surrounding the new infrastructure. This Chapter will discuss the types of features which could be included as part of the scheme.

Chapter 6: Public Consultation – Following the option appraisal, route development, and traffic modelling, a good sense of what is potentially achievable along the corridor will be gained. This will then be presented to the public for their input and feedback which will be summarised in this chapter.

Chapter 7: Action Plan – Recommendations were developed into an Action Plan and high level cost estimates prepared for the recommendations identified.

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Site Visit & Review

02

2. Site Visit & Review

2.1 Introduction

In order to appreciate the existing Arbroath settlement and the function of the A92 Burnside Drive various site visits were undertaken during January, February and March 2018. In addition, traffic and pedestrian surveys were undertaken along the corridor during the month of February to supplement previous information gathered as part of the 2016 and 2017 Arbroath studies. This Chapter will summarise the findings of the Desktop Review and Site Visits.

This commission's original study area included from the A92 Burnside Drive/ Guthrie Port Roundabout in the north, to the A92/ East Mary Street/ Harbour Roundabout in the South. Following an initial site visit and inception meeting the study area was expanded to cover to Gayfield Stadium in the south where the existing dual carriageway commences.

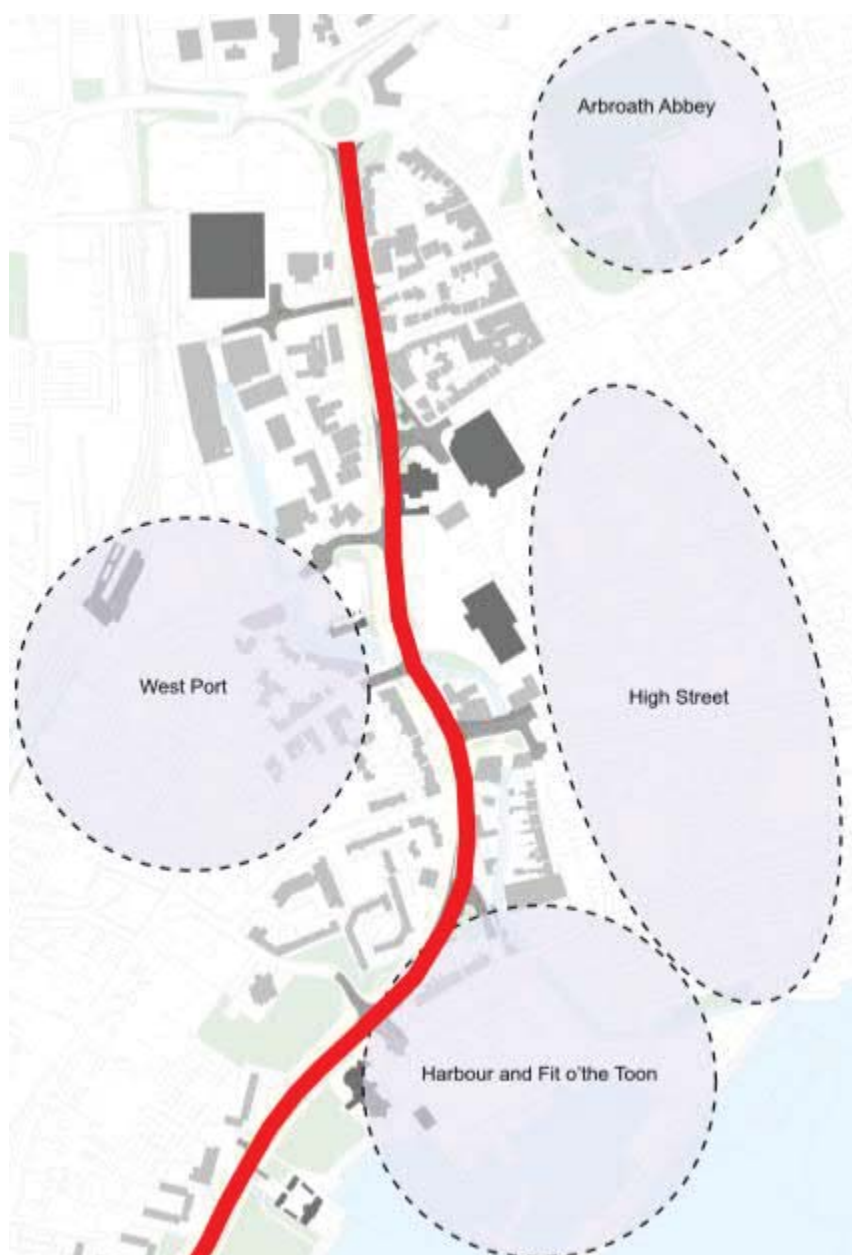


Figure 1 - Original Study Area of A92 Corridor from Guthrie Port Roundabout to the Harbour

2.2 Connectivity to the A92

While this study focuses on the A92 corridor itself, there are a number of connecting arteries from both the East and West which were examined as part of the site visits to gauge the existing infrastructure and what facilities exist to serve Arbroath. As can be seen in Figure 1 above, there are a number of important areas within Arbroath which the A92 serves, not least between West Port and the High Street. The following photographs show some of the existing connection points leading to the A92 and the problems they pose to existing active travel usage.



Photograph 1 - Guthrie Port (E) approach to Guthrie Port Roundabout



Photograph 2 - Lordburn approach to A92

The above examples show some of the existing approach roads to roundabouts on the A92. Photograph 1 shows the Guthrie Port (East) approach where pedestrians are currently guided by visirail to a dropped kerb approach with associated tactile paving. The crossing point is remote from the splitter island which segregates the entry and exit flows to the junction which results in an extremely wide crossing for pedestrians to negotiate. On-site observations also indicated that the existing Angus Careers Centre building can restrict visibility to the A92 Fisheracre approach. Pedestrians can then be presented with cars taking the large junction radii at speed and requiring to slow for pedestrians who have already started to cross the carriageway.

Photograph 2 shows the approach to the A92 from Lordburn which again comprises of a dropped kerb crossing with associated tactile paving. It can be seen that the crossing point is located between the A92 and Gravesend approach from Lidl/ Abbeygate. This presents the added difficulty for pedestrians of judging an additional stream of traffic when deciding to cross. The associated footpaths have not been redetermined for cycling and therefore no off-road cycle infrastructure exists. It is understood that the only cycle infrastructure on the A92 exists south of the A92/ East Mary Street (Harbour) Roundabout junction.

As can be seen from the photographs above, the weather conditions in Arbroath can vary significantly and photograph 2 demonstrates that during one of the site visits the weather was extremely adverse. This can often be the case with Arbroath being located on the East coast and exposed to sweeping winds and rain. The existing pedestrian and cycle infrastructure should also be considered from this perspective as pedestrians and cyclists can struggle to cope with the elements combined with poor infrastructure.



Photograph 3 – East Grimsby Approach to A92 Photograph 4 - Millgate Load approach to A92

Further south along the corridor, photograph 3 shows the East Grimsby approach which comprises a dropped kerb crossing point. There is however an absence of associated tactile paving and the traffic island is of insufficient width to allow wheelchair users and parents with prams / pushchairs to adequately cross.

Photograph 4 shows the crossing from Millgate towards the A92. The existing footpath is diverted a considerable distance from the A92 into the Millgate minor arm rather than follow a potential desire line along the A92. In addition, the point at which the footpath is diverted to contains no dropped kerbs or associated tactile paving, and is actually obstructed by the central traffic splitter island. Given the age of the junction this will be a historical problem however the current project presents an opportunity to rectify a number of anomalies and restrictions for pedestrian and cycle movements along and to the corridor which will be discussed in later chapters. As discussed above, none of the footpath linkages at these existing junctions have been redetermined and therefore cyclists are currently required to make use of on-road facilities. Given the high speed nature of the dual carriageway, despite being a 30mph speed limit, this is likely to deter many potential users.

2.3 Deterrent paving and fencing

While there are a number of issues for active travel movements along the arterial routes leading to the A92, the corridor itself is very restrictive for crossing movements between the East and West. The photographs below highlight some of the issues along the corridor.



Photographs 5 & 6 – Footpath adjacent to A92 Burnside Drive/ Lordburn Roundabout with deterrent measures to prevent crossing movements past the central reserve and nearside verge



Photographs 7 & 8 – Footpath adjacent to A92 Burnside Drive/ East Mary Street Roundabout with visi-rail and deterrent measures to prevent crossing movements past the central reserve and nearside carriageway

It can be seen that there is a significant level of visi-rail and deterrent pavement along with other measures on the corridor to physically restrict active travel crossing manoeuvres. This is contrary to current national and local policies that indicate active travel should be prioritised above other forms of transport. In the case of the existing A92 Burnside Drive the opposite is true where pedestrians in particular, tend to be funnelled to remote crossing locations that do not meet desire lines. With the exception of cycling on the dual carriageway, there is no cycle infrastructure present in the northern segment of the A92 Burnside Drive beyond the Harbour Roundabout.

2.4 Existing Constraints

Sections 2.2 and 2.3 highlight some of the existing design issues along the corridor which can be rectified, as discussed in later chapters. However, in considering potential constraints for the corridor, issues such as land ownership and parking would also need to be considered. The photographs below highlight again some of the existing issues that would need to be considered should the scheme move forward to a preliminary and detailed design stage.



Photographs 9 & 10 – Existing parking areas used by local residents

There are some existing areas where private accesses are taken onto the A92 and also some residential parking areas that would require consideration and discussion with land owners. Indicative feasibility options are considered for the corridor later in this report, however these would likely alter moving forward through the consultation process and indeed as further information is established, such as public utilities.



Photograph 11 - Narrow Footpaths



Photograph 12 – Existing Underpass

There are some existing pinch points along the corridor, as shown in Photograph 11 above. However, these could be removed by reconfiguring the junctions and space to provide an adequate area for pedestrians and cyclists with improved visibility.

There are also some elements which would be more costly to resolve and find an adequate solution. An existing underpass, as shown in Photograph 12, between Robert Street and Hume Street provides an important connection from the West to East. It serves as an alternative to a level crossing at Orchard Street. However, the existing facility is in a state of disrepair. Furthermore, the atmosphere and general standard is not conducive to providing a safe attractive route. Moreover, it does not provide a disabled access. It is understood that Network Rail have previously asked Angus Council to close the adjacent level crossing¹ however this was refused at committee. With Network Rails current programme of level crossing closures and alternative upgraded crossing facilities there may be future opportunities to incorporate this within the Accessible Arbroath project. The current level crossing does however have an F4 risk rating, with Network Rail focusing their resources on categories A-C, 1-3 it is unlikely that the closure would be proposed during next Control Period 6 which runs from 1 April 2019 to 31 March 2024.

¹<https://archive.angus.gov.uk/ccmeetings/reports-committee2006/infrastructure/1012.pdf>

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Option Appraisal
and Route
Development

03

3. Option Consideration and Route Development

3.1 Introduction

This Chapter will expand upon the desk top study in the previous chapter which was informed by site visits. The various constraints along the corridor have been identified, which in turn has enabled initial concepts and ideas for the corridor to be explored. In exploring options it is important to incorporate project aims as well as those of the potential funding partner Sustrans. The main aims of the project were described in Chapter 1 however for the purpose of option consideration the aims have been expanded as follows.

Project Aims

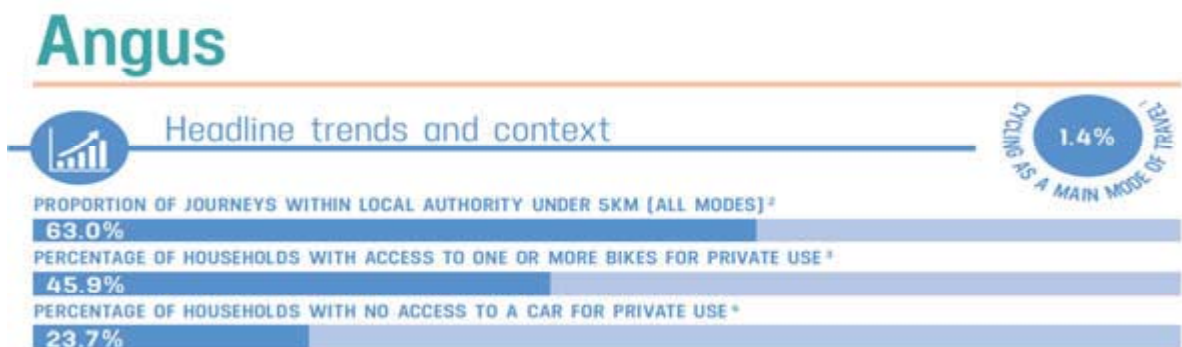
- To create an attractive, legible and safe place for people to walk and cycle through Arbroath. The route will focus on improving access along both the north to south route as well as at key crossing nodes from west to east to better connect Arbroath across the A92 corridor.
- To involve the Arbroath community in the shaping of the proposed Active Travel Route, including consultation and providing facilities that support local needs.
- To enhance the streetscape of the A92 with coastal style planting, specimen trees, high quality materials and interactive play/art features.
- To maximise the environmental benefit of the route by strengthening local biodiversity with large areas of dedicated planting. Planting will need to be resilient to the coastal climate and will also help to create micro-climates in areas that are currently exposed, improve amenity, provide increased drainage for surface water and improve local biodiversity.

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- Raise the standards by using innovative and imaginative approaches for community and business engagement, design and construction of walking and/or cycling projects.
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- Create an enabling context/environment for active travel that facilitates the delivery of other projects.

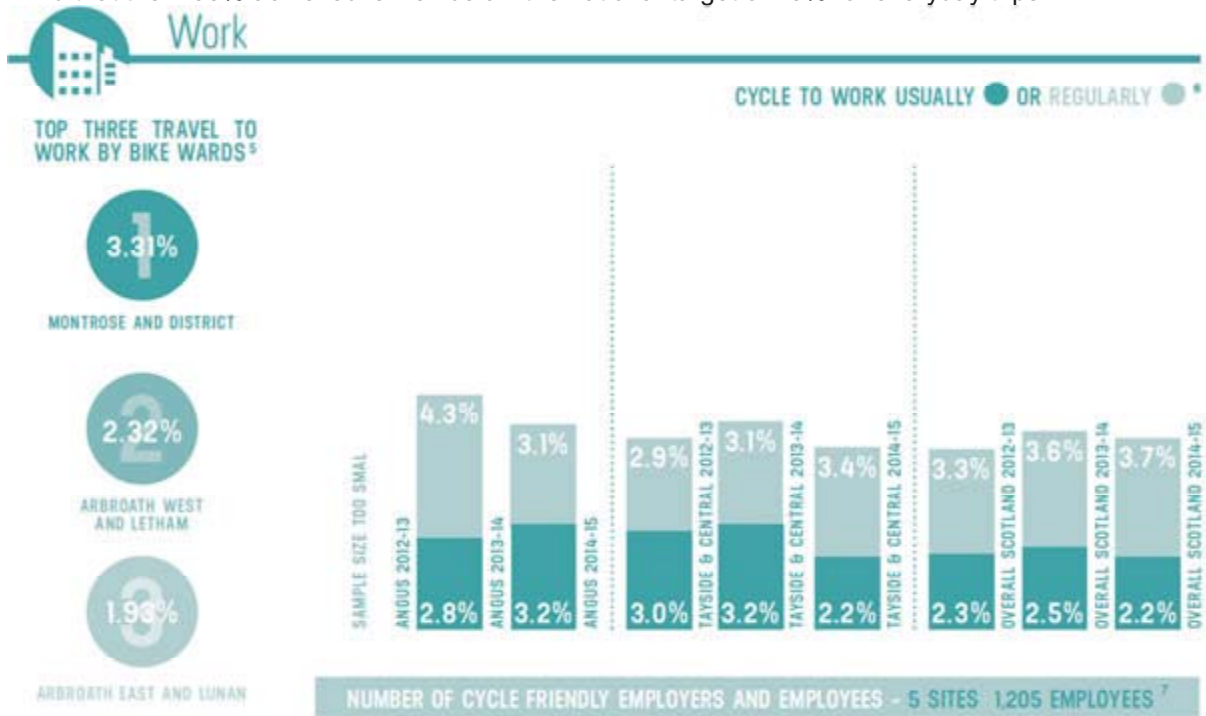
3.2 Local Characteristics

Most destinations within the study area are within a relatively short walk or cycle from one another. Therefore, an opportunity to increase active travel modal share exists for every day journeys. This is supported by Cycling Scotland Annual Monitoring Report (2017) which highlights that Angus Council is in the top 5 local authority areas for residents with access to one or more bicycles at 45.9%. Some further local statistics for Angus have been reproduced below.



It can also be seen in the above statistics that the level of access to private car is also high and therefore residents are currently presented with an option which can ultimately come down to the level of infrastructure available to them for their journey. Within Angus, Arbroath East and Lunan ranks in

the top 3 wards for travel to work by bike which is again encouraging. It should however be borne in mind that the 1.93% achieved is well below the national target of 10% for everyday trips.



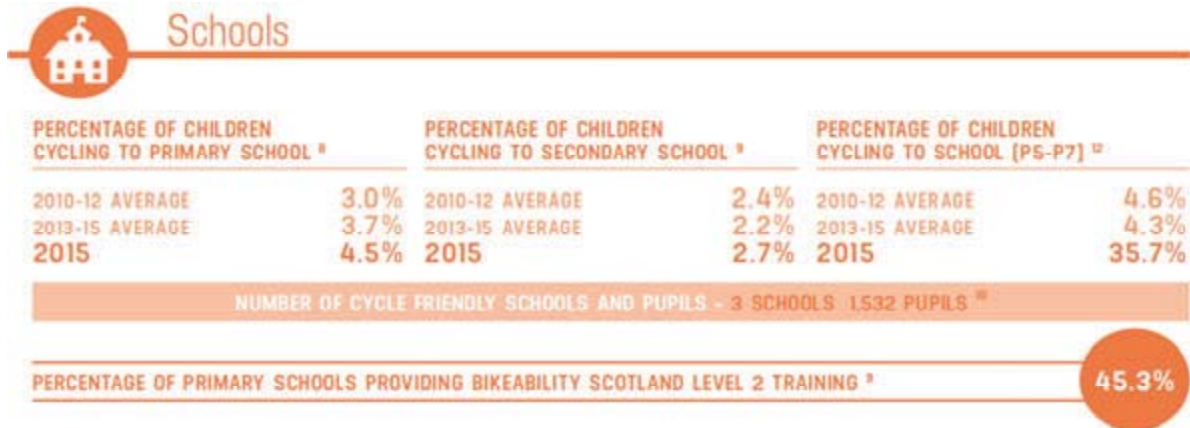
It can be seen in the previous Chapter that the A92 Burnside Drive is not conducive to active travel. Therefore, the current project offers an opportunity to significantly work towards the 10% target within Arbroath. The level of journeys within 5km and percentage of households with access to bicycle suggest that a much higher proportion of people could and would cycle if the infrastructure was available to them.

The relocation of Ladyloan Primary School directly adjacent the A92 is also likely to increase demand for active travel along the corridor. The following plan has been reproduced from the associated planning application.



Figure 2 – Ladyloan Primary School layout – reproduced from planning application

The proportion of school children currently receiving Bikeability level 2 training is relatively high at 45.3%. However, this has not translated into a high percentage of pupils travelling to school by bike. This again could be down to the level of existing infrastructure and whether parents consider safe routes are available.



3.3 Guidelines & Standards

3.3.1 National Roads Development Guide

To deliver the design of this network it is key the design takes cognisance of the National Roads Development Guide (NRDG) policy which Angus Council have adopted. This provides the hierarchy of users (Figure 2) with pedestrians designed for as a priority closely followed by Cyclists. NRDG supports Designing Streets Policy Document and its five headline policies are supported by the design hierarchy shown in Figure 3 below.

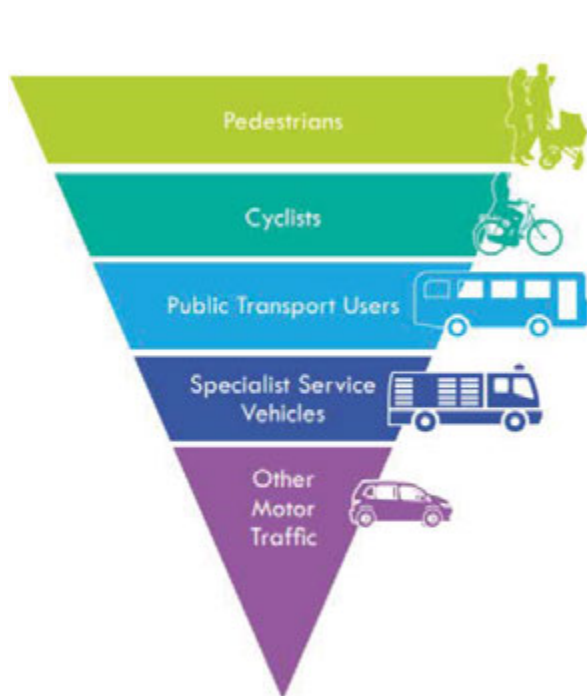


Figure 3 - Hierarchy of Users



Figure 4 - Street Design Hierarchy

3.3.2 Footway Provision

The National Roads Development Guide specifies the widths of footways, as shown in the table below, which are dependent upon the level of pedestrian activity and setting.

Table 4.1 – Footway Widths as Specified in National Roads Development Guide

Frontage Development	Width (metres)
None	2.5 – 3.0*
Industrial	2.0 – 5.0
Residential	2.0 – 3.0
Local Shops	4.0
Major Shops	5.0

**Minimum 3.0 metres for arterial roads*

In order to encourage as many people to walk and cycle as possible the environment has to be conducive to allowing people a pleasant experience. The existing A92 does have an associated 2-metre footpath with some pinch points. The experience of walking next to a dual carriageway where the space is dominated by private cars is not one however that is likely to encourage walking, cycling, and indeed tourism. This is discussed in further detail within Chapter 5.

3.4 Cycling by Design

3.4.1 Introduction

Option to provide enhanced cycling provision should be developed using the specifications set in ‘Cycling by Design’ and the particular requirements for Sustrans Community Links and Community Links Plus funding will be explored. ‘Cycling by Design’ provides a Guide to Link Specification which is illustrated in Figure 4. The diagram provides a useful starting point in determining an appropriate link specification, based on traffic volume and traffic speed. An assessment has been undertaken to confirm the link specification for this study.

3.4.2 Design Guidelines

‘Cycling by Design’ will be used as the basis of design for this study. Reference will also be made to the ‘Design Manual for Roads and Bridges’ (DMRB), the ‘National Roads Development Guide’, and the ‘Traffic Signs Regulations and General Directions’ (TSRGD) as appropriate. As far as practical the following minimum widths will be used.

- Shared use footway 3 metres (2.5 metres)⁺
- Segregated one-way cycleway (1.5 metres)⁺⁺
- Segregated two-way cycleway 3 metres (2 metres)⁺⁺
- Carriageway width urban 6 metres and rural 7.3 metres.

**0.3 metre separation +Additional 1metre required for a separation strip / verge on rural roads
+Bracketed figures are absolute minimums*

3.4.3 Composition

Three options for the establishment of a continuous strategic active travel link exist, as shown in Figures 5 to 7 below.

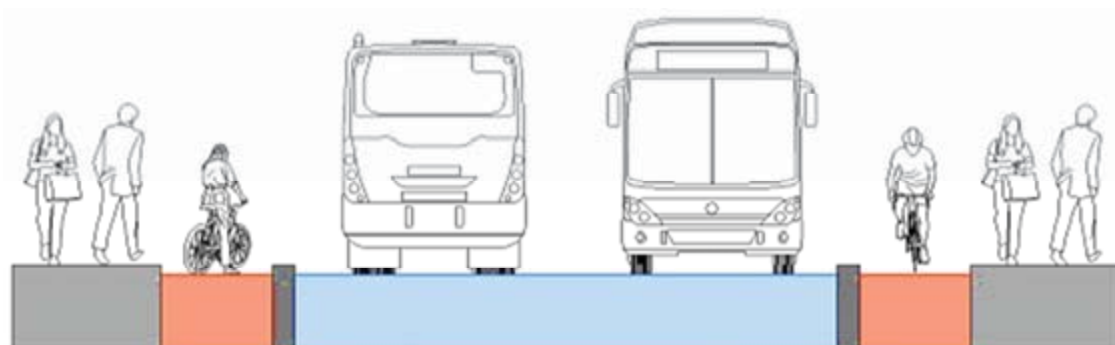


Figure 5 - One-way segregated cycleway with footways

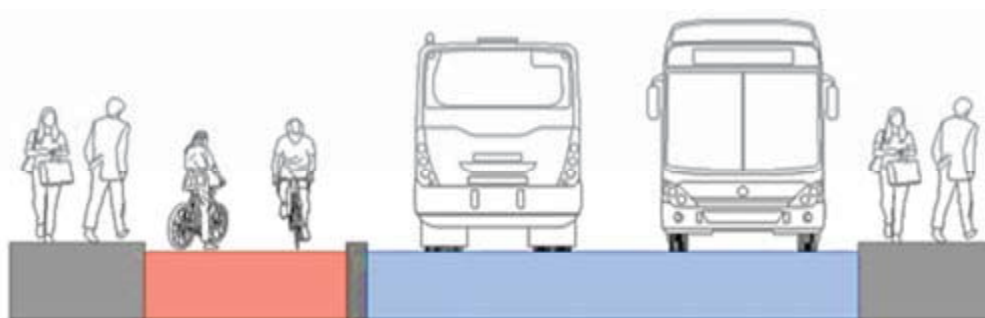


Figure 6 - Two-way segregated cycleway with footways

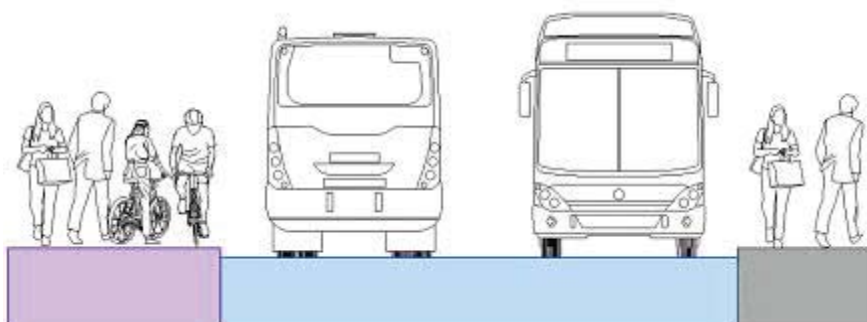


Figure 7 - Shared footway / cycleway

Please note that variations exist for the cross-sections above, such as hybrid cycleway options, and these are provided for information purposes only.

Following site visits along the corridor and initial discussions with Angus Council and Sustrans, it is clear that there is sufficient space to deliver some form of cycle intervention. This could range from a do-minimum option which could take the existing central reserve of the dual carriageway and reallocate this to road space, thus allowing widening of the existing footpaths to form a shared use space. These types of options do however tend to cause conflict between pedestrians and cyclists competing for the space, and can often result in many cyclists choosing to remain on the road carriageway.

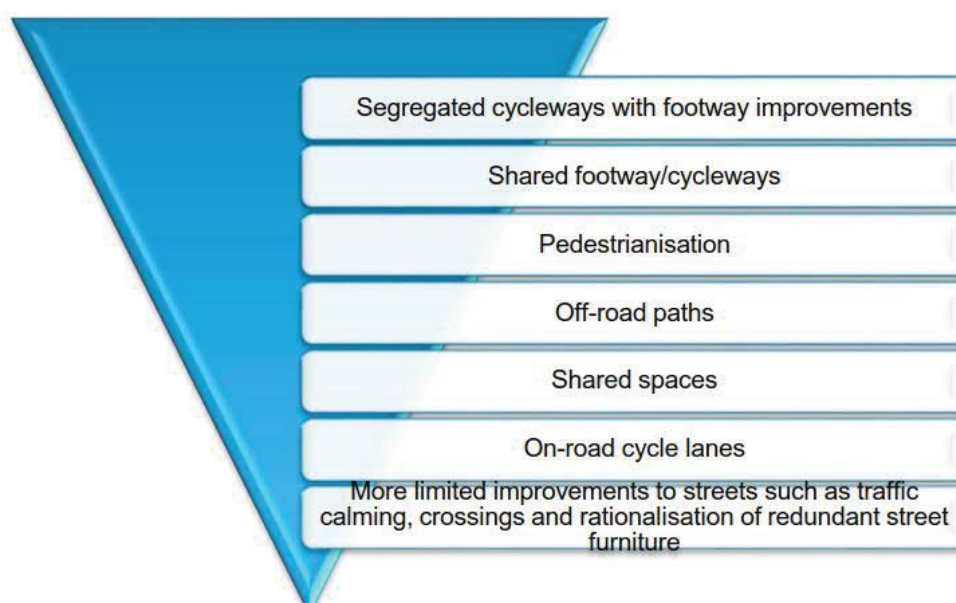
In order to provide a step change it was considered that the do-minimum for the corridor should be a segregated cycle route which would provide additional environmental and social benefits for Arbroath. The types of option to be considered would therefore consider the removal of the dual carriageway to form a 2-way single carriageway operation.

3.5 TACTRAN Active Travel Audits

TACTRAN's Regional Transport Strategy Refresh (2015 – 2036), sets out a vision for improving the region's transport, to deliver "a transport system shaped by engagement with its citizens, which helps deliver prosperity and connects communities across the region and beyond, which is socially inclusive and environmentally sustainable and which promotes the health and well-being of all."

As a part of delivering this vision, the Regional Transport Strategy Refresh policies and proposals "aim to support delivery of the Cycling Action Plan for Scotland (CAPS) and assist in meeting its target of 10% of all journeys in Scotland undertaken by bike by the year 2020; and implementation of the National Walking Strategy including its vision of creating a Scotland where everyone benefits from walking as part of their everyday journeys, enjoys walking in the outdoors and where places are well designed to encourage walking."

The strategy establishes a number of aims and the potential for implementing certain types of active travel intervention, ranging (in order of aspiration) from new or improved as follows:



The above guidelines and aspirations will be considered in the following Section 3.6 and subsequent Chapters.

3.6 Option Consideration

In considering options such as the potential closure of one of the dual carriageway sections to create a 2-way single carriageway road, there would be sufficient remaining space to allow all of the cross section options shown in Section 3.4.3 to proceed. Additional space would also be available for larger separator strips, landscaping, and leisure facility creation. In order to demonstrate the potential space available for the creation of an active travel route, 2 options were considered using either the western or eastern carriageway, with the other retained for traffic. Appendix C of this report shows Figures 8 9 in greater detail.

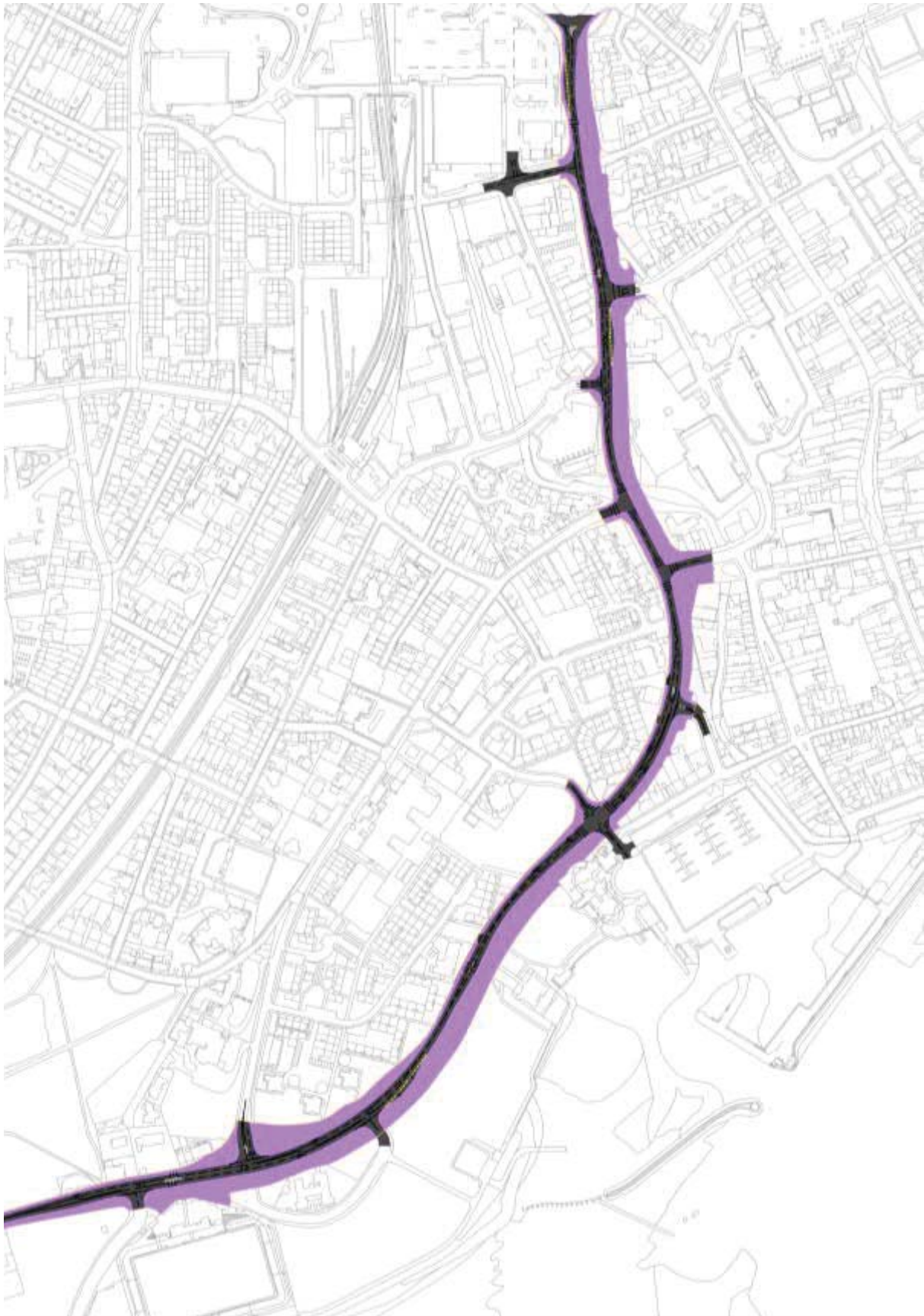


Figure 8 – Option A retaining the western carriageway of the A92 with a reallocation of space on the eastern carriageway

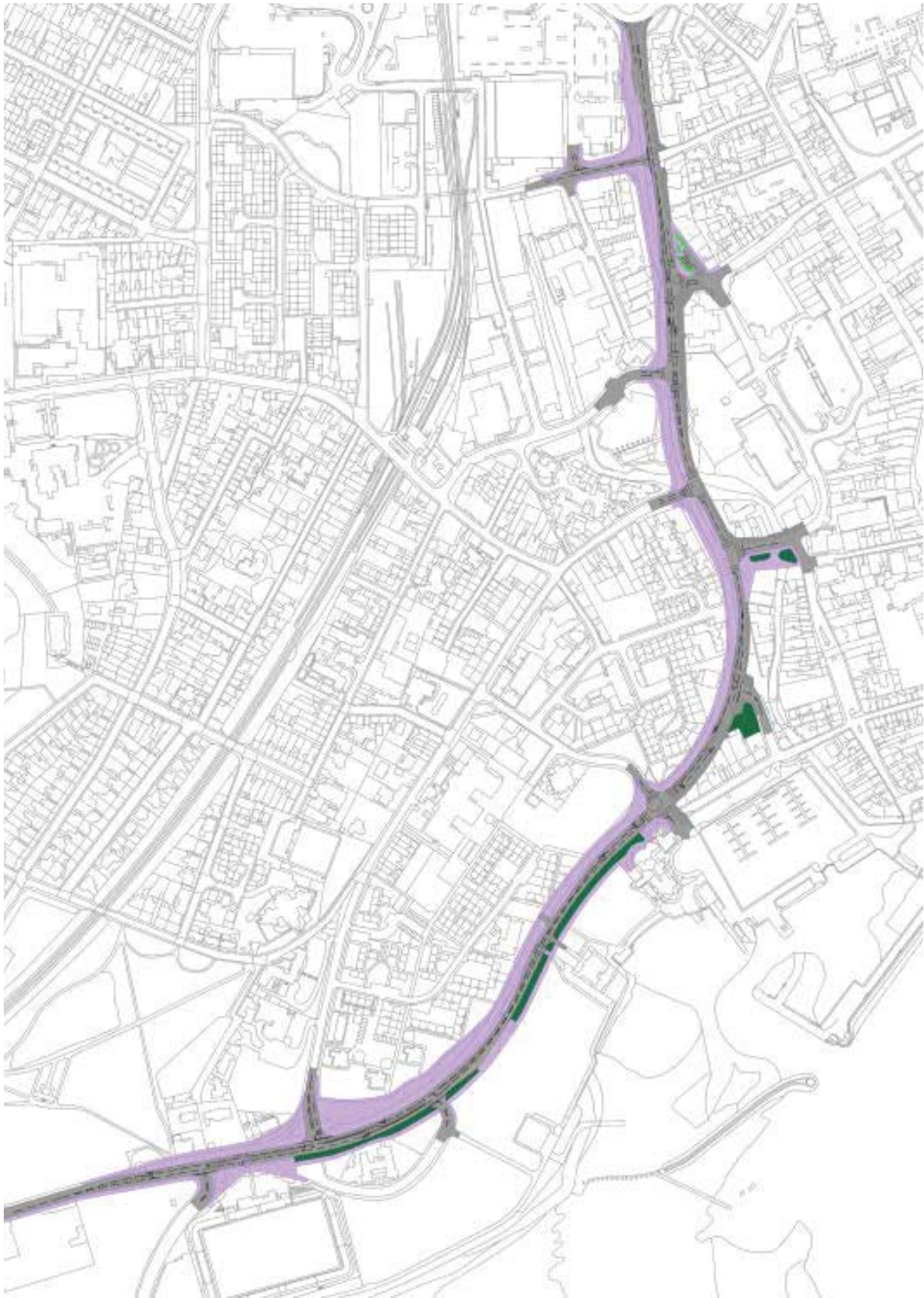


Figure 9 – Option B retaining the eastern carriageway of the A92 with a reallocation of space on the western carriageway

The design and modelling of junction capacity is an iterative process whereby the results of the modelling exercise influence changes in the design which are then subsequently fed back into the models to see the resulting impact. This process determines, for example, how many lanes are required and how long flared sections need to be in order that the respective junctions continue to operate satisfactorily and have reserve capacity.

Clearly a reduction in the dual carriageway to a 2-way single carriageway operation could have an impact upon the local road network. Therefore the next stage in developing a scheme for the corridor was to test the existing capacity along with the operation of a potential future single carriageway. This is discussed in further detail within Chapter 4. It can however be seen from Figures 8 and 9 that on all junction approaches, flaring of the road carriageway occurs with additional lanes included to allow separation of turning movements and ensure the road network maintains capacity for traffic movements.

The background is a solid green color. Three thin white lines are drawn across the page. One line starts at the top left and goes diagonally down towards the bottom right. Another line starts at the top left and goes diagonally down towards the bottom right, but at a shallower angle than the first. The third line starts at the top left and goes diagonally down towards the bottom right, at a steeper angle than the other two. They intersect to form a complex geometric pattern.

Traffic Modelling

04

4. Traffic Modelling

4.1 Introduction

This chapter details the traffic modelling approach, methodology and results for junctions on the A92 on the study network. This includes the modelling results for the existing junctions as well as the redesigned junctions (Options A and B).

4.2 Baseline Traffic Surveys

For the purposes of the traffic modelling exercise, baseline traffic data was collected at the junctions shown in Figure 10 below.



Figure 10: Traffic Modelling Study Network

Surveys were undertaken on Thursday 08/02/18 and Saturday 10/02/18. This avoided any school or local holidays whilst the weather conditions on these two survey days was recorded as dry. The survey results are therefore considered to be broadly representative of typical traffic conditions. The traffic surveys involved the collection of fully classified Junction Turning Count (JTC) and queue length data at all junctions.

On Thursday 08/02/18, traffic data was collected during the following time periods:

- Morning Peak Period: 07:00 – 10:00; and
- Evening Peak Period: 15:30 – 18:30.

On Saturday 10/02/18, traffic data was collected during the following time period:

- 11:30 – 14:30.

Analysis of this data identified the following peak hours:

- Weekday Morning Peak Hour: 08:45 – 09:45;
- Weekday Evening Peak Hour: 16:15 – 17:15; and
- Saturday Peak Hour: 12:15 – 13:15.

Collected data was converted into Passenger Carrier Units (PCUs) by applying the following factors:

- 0.2 for Bicycles;
- 0.4 for Motorcycles;
- 1.0 for Cars and LGVs;
- 1.5 for OGV1s;
- 2.0 for Buses / Coaches; and
- 2.3 for OGV2s.

Base traffic survey information is contained within Appendix A.

4.3 Future Baseline Scenario

The adopted 2016 Angus Local Development Plan (LDP)², which provides guidance on what and where development will or will not be allowed, has been reviewed to ascertain the future additional traffic impact on the study network as a result of allocated development sites. The allocation map for Arbroath has been extracted from the LDP and is replicated within Figure 11 below.

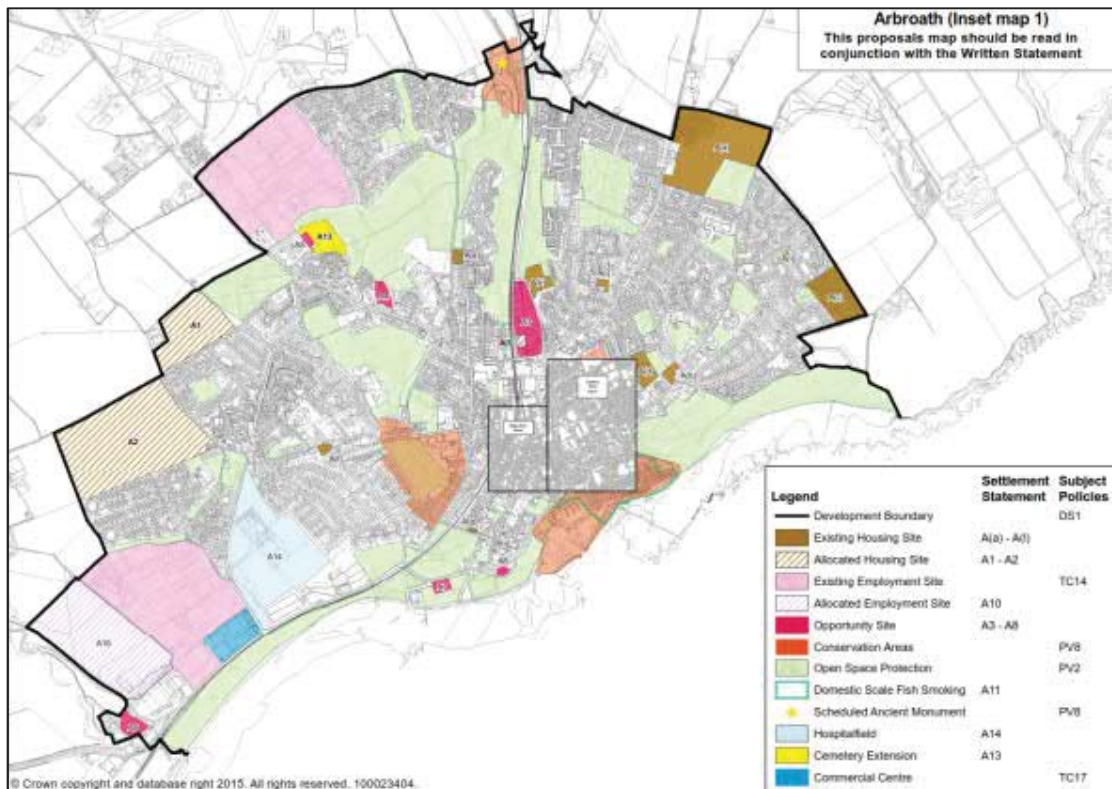


Figure 11: Arbroath Allocation Map

*Source: Inset Map 1, Angus LDP

² <http://www.angus.gov.uk/sites/angus-cms/files/Angus%20local%20development%20plan%20adopted%20September%202016.pdf>

Sites deemed to have a discernible traffic impact on the study network were identified and have been summarised within Table 1.

Table 1: LDP Allocations

Map Reference	Allocation Summary	Planning Context
A1	Housing allocation for 230 residential units	Planning consent granted for 287 residential units (Planning Reference: 16/00354/FULM). Phasing plan submitted as part of this indicates that the site is currently under construction with some units occupied.
A2	Housing allocation for 120 residential units	No planning application.
A5	Redevelopment opportunity of former hospital	Planning consent granted for 45 residential units (Planning Reference: 17/00302/FULL).
A7	Redevelopment opportunity of former Seaforth Hotel	Extant planning application currently under consideration for 150 cover pub, restaurant with and 24 bed hotel (Planning Reference: 17/01048/FULL).

*Source: Angus LDP

4.3.1 = Vehicular Trip Generation

Transport Assessment and Transport Statement reports submitted in support of planning applications for each of the respective sites have been sourced, where available, from the Angus Council planning portal to determine the respective traffic impacts.

A Transport Statement, dated December 2017, has been sourced for Site A7. The vehicular trip generation in the morning and evening peak hours has been extracted from this report and has been replicated within Table 2.

Table 2: Vehicular Trip Generation from Site A7

Time Period	In	Out	Total
Weekday Morning Peak Hour	3	4	7
Weekday Evening Peak Hour	28	25	53

Source: Tables 5.3, 5.4 and 5.6 from Transport Statement dated December 2017 – Planning Reference 17/01048/FULL

There is no Transport Assessment or Transport Statement available for Sites A1, A2 and A5 on the Angus Council planning portal.

4.3.2 = Vehicular Trip Distribution

The distribution of vehicular trips on the study network from the three residential sites has been informed by 2011 Census Data extracted from DataShine Scotland Commute³. This resource provides origin-destination information for journeys to work cross tabulated by modal choice.

Trip distribution data for commuting trips made by car drivers have been extracted from the 'Arbroath Kirkton' output area (see Figure 12). The 'Arbroath Kirkton' area is considered to be the most appropriate area which reflects the location of the allocation sites.

³ <http://scotlandcommute.datashine.org.uk/#mode=allflows&direction=both&area=undefined&zoom=11&lon=-3.4000&lat=55.9200>



*Source: DataShine Scotland Commute – Arbroath Kirkton

Table 3 provides a detailed breakdown of the destination of journeys originating within the Arbroath Kirkton output area.

Table 3: Summary of Trip Distribution from Arbroath Kirkton Area

Origin Area	Destination Area	Number of Car Drivers	% of Total
Arbroath Kirkton	Arbroath Harbour	270	18.7%
Arbroath Kirkton	Arbroath Kirkton	176	12.2%
Arbroath Kirkton	No fixed place	156	10.8%
Arbroath Kirkton	Arbroath Keptie	98	6.8%
Arbroath Kirkton	Arbroath Landward	93	6.4%
Arbroath Kirkton	Montrose South	50	3.5%
Arbroath Kirkton	Arbroath Warddykes	44	3.0%
Arbroath Kirkton	Hillside	37	2.6%
Arbroath Kirkton	Menzieshill	32	2.2%
Arbroath Kirkton	Dundee City Centre	30	2.1%
Arbroath Kirkton	Western Edge	26	1.8%
Arbroath Kirkton	Arbroath Cliffburn	25	1.7%
Arbroath Kirkton	Monikie	25	1.7%
Arbroath Kirkton	Lunan	23	1.6%
Arbroath Kirkton	Perth Road	22	1.5%
Arbroath Kirkton	Carnoustie East	21	1.5%
Arbroath Kirkton	West Pitkerro	19	1.3%
Arbroath Kirkton	Fairmuir	19	1.3%
Arbroath Kirkton	Forfar West	18	1.2%
Arbroath Kirkton	Cove North	17	1.2%
Arbroath Kirkton	Friockheim	17	1.2%

Origin Area	Destination Area	Number of Car Drivers	% of Total
Arbroath Kirkton	Forfar Central	15	1.0%
Arbroath Kirkton	Forfar East	15	1.0%
Arbroath Kirkton	Letham and Glamis	15	1.0%
Arbroath Kirkton	Brechin East	14	1.0%
Arbroath Kirkton	Offshore installation	14	1.0%
Arbroath Kirkton	Bucksburn North	14	1.0%
Arbroath Kirkton	Montrose North	12	0.8%
Arbroath Kirkton	Monifieth East	12	0.8%
Arbroath Kirkton	Carnoustie West	12	0.8%
Arbroath Kirkton	Linlathen and Midcraigie	12	0.8%
Arbroath Kirkton	Ardler and St Marys	11	0.8%
Arbroath Kirkton	Invergowrie, Longforgan and Abernyte	10	0.7%
Arbroath Kirkton	Fintry	10	0.7%
Arbroath Kirkton	England	10	0.7%
Arbroath Kirkton	Monifieth West	9	0.6%
Arbroath Kirkton	Stobswell	9	0.6%
Arbroath Kirkton	Docks and Wellgate	8	0.6%
Arbroath Kirkton	Broughty Ferry West	7	0.5%
Arbroath Kirkton	Banchory-Devenick and Findon	7	0.5%
Arbroath Kirkton	Craigie and Craigiebank	6	0.4%
Arbroath Kirkton	Brechin West	6	0.4%
Total		1446	100.0%

N.B. Those in bold represent journeys anticipated to impact upon the study network.

Source: DataShine Scotland Commute – Arbroath Kirkton

As is demonstrated in Table 3, 47% of commuting journeys have destinations located within Arbroath whilst the remaining 53% of journeys have destinations located outwith Arbroath. Based upon route journey planning resources, vehicular trips travelling to the following destinations (approximately 38% of trips) are anticipated to impact upon the study network:

- Arbroath Harbour;
- Arbroath Keptie;
- Montrose South;
- Arbroath Warddykes;
- Hillside;
- Arbroath Cliffburn; and
- Lunan.

The vehicular trips for the three residential sites have been distributed on the study network accordingly. To provide for a more robust assessment, all trips routing to 'Arbroath Harbour' and 'Arbroath Keptie' have been distributed through every junction along the A92 study network. In reality, these trips would disperse at junctions as they travelled through the network.

The distribution of trips for Site A7 has applied a distribution of 80% on the A92 northbound whilst the remaining 20% of tips have been applied on the A92 southbound. This has been based upon the proposed nature of the site and its likely localised catchment area within Arbroath. These predicted trips from LDP allocations have been assigned on the network in addition to the 2018 baseline traffic flows. Network flow diagrams showing the assignment of trips on the study network in the Future Baseline Scenario has been included in Appendix B.

4.4 Baseline Junction Modelling Approach

The capacity of the current junctions have been assessed using standalone junction modelling software including Junctions 9 which models roundabouts and priority junctions and LinSig which models signalised junctions.

A summary of the software used for the junctions on the study network is provided in Table 4.

Table 4: Junction Modelling Software Approach

Junction	Junctions 9	LinSig
1. Guthrie Port / A92 / Burnside Drive (A92)	✓	
2. Burnside Drive (A92) / Hume Street	✓	
3. Burnside Drive (A92) / Lordburn	✓	
4. Burnside Drive (A92) / Catherine Street		✓
5. Catherine Street / Arbroath Bus Station	✓	
6. Burnside Drive (A92) / Millgate		✓
7. Burnside Drive (A92) / Brothock Bridge		✓
8. Burnside Drive (A92) / East Mary Street / Arbroath Harbour	✓	
9. Ladyloan (A92) / Millgate Loan;	✓	
10. Dundee Road (A92) / B964.	✓	

4.5 Modelling Results

The traffic modelling assessment has been undertaken using Junctions 9 for priority and roundabout junctions and LinSig for signalised junctions. The summary results from the modelling assessment are included in Table 5 below. Detailed modelling results are contained in Appendix D of this report.

Table 5: Junction Modelling Summary

Junction	Existing Junction	Option A Design	Option B Design
1. Guthrie Port / A92 / Burnside Drive (A92)	✓	✓	✓
2. Burnside Drive (A92) / Hume Street	✓	✓	✓
3. Burnside Drive (A92) / Lordburn	✓	✓	✓
4. Burnside Drive (A92) / Catherine Street	✓	✓	✓
5. Catherine Street / Arbroath Bus Station	✓	N/A*	N/A*
6. Burnside Drive (A92) / Millgate	✓	✓	✓

Junction	Existing Junction	Option A Design	Option B Design
7. Burnside Drive (A92) / Brothock Bridge	✓	✓	✓
8. Burnside Drive (A92) / East Mary Street / Arbroath Harbour	✓	✓	✓
9. Ladyloan (A92) / Millgate Loan;	✓	✓	✓
10. Dundee Road (A92) / B964.	✘	N/A*	N/A*

✓ Junction predicted to operate within capacity

✘ Junction predicted to operate over capacity

*No redesigns at this junction are proposed

The modelling assessment demonstrates that only the existing Dundee Road (A92) / B964 mini-roundabout junction is predicted to operate over capacity in the Future Baseline Scenario. All junctions under redesign consideration Options A and B are predicted to operate satisfactorily.

4.6 Summary and Conclusions

This chapter details the traffic modelling approach, methodology and results for junctions on the study network. This has been informed by the collection of baseline traffic data including junction turning count and queue information in February 2018. A Future Baseline Scenario has also been devised taking into account the additional future traffic impact from notable allocated development sites in the Angus LDP. This likely impact has been calculated through the application of data contained within the TRICS database and the 2011 Census.

The results demonstrate that the alteration of the dual carriageway to a single 2-way carriageway can be accommodated with all junctions continuing to operate within capacity. It should be borne in mind that the analysis has included additional traffic flows from Local Development Plan allocations which has provided an added robustness to the assessment. The initial layout options are at a feasibility stage and would be subject to change during preliminary and detailed design as further information is gathered on utilities as well as feedback from public consultation and stakeholder engagement. It has however also been demonstrated through spatial considerations that sufficient land is available to alter the proposed junction layouts, such as extending flared sections, in order to increase capacity further, if required.

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Streetscape &
Landscaping
Visualisation

05

5. Streetscape & Landscaping

5.1 Introduction

While the previous Chapters demonstrate that it is possible to create a dedicated cycle lane along the A92 by reallocating road space, this in itself would not provide an environment conducive to encouraging some people to alter their travel habits from private car use to walking and cycling. It is currently possible to walk along 2-metre footpaths that bound the existing A92 dual carriageway. The current environment is not however one which inspires and motivates people to actively choose to travel the route via foot or cycle.

In order to provide a step change and encourage local residents to walk and cycle as well as bring tourism back to Arbroath, the Accessible Arbroath project would see a focus on improving the environment surrounding the new infrastructure, as well as link the town with natural assets such as the Harbour, Tower Museum, and seafront adjacent Gayfield.

5.2 Planting & Drainage

Increasing vegetation within urban places can bring about many benefits. Most noticeably planting provides an opportunity to green our urban places and fill them with colour.

By removing areas of impermeable surfacing for new areas of planting, there will be more permeable surface that can assist with surface water drainage and reduces the risk of flooding. These planting areas could be designed to provide Sustainable Urban Drainage (SuDs), which is a natural method for managing urban drainage by slowing the rate at which water flows, storing water to reduce pressure on the main drainage system, while also providing a level of treatment for the water.



5.3 Streetscape

Street furniture, play and public art all have the potential to enrich the experience of everyday journeys such as a walk into town or to the transport hubs. With the extra space provided by reducing the road carriageway there will be more opportunities to integrate seating, play and public art features, which have the potential to create interesting and dynamic streetscapes.

These elements will help to encourage more people to make active journeys by walking or cycling, in a safe and pleasant environment that could be provided by the new route and help to meet both the project aims and those of Sustrans's community links program.



5.4 Active Travel

Active travel routes can come in a range of configurations and are classified as either an unsegregated cycle/ pedestrian path (shared surface) or as two segregated paths. These variations can then be further developed with planting, seating and a range of different materials to create different effects. The variations change the look and also the interaction between pedestrians, cyclists, and motorists.

It is envisaged that the A92 route will be traffic free and segregated from the road with a planted buffer on the majority of the route to create a high quality environment. This would encourage walking and cycling along the route by local residents and business, but it would also make an attractive corridor to compliment some of Arbroath's natural assets such as the Tower museum and Harbour, linking these locations in the south with the town centre and rail station in the north.



5.5 Masterplan Layout

Following on from the above and the spatial drawings shown in Chapter 3, these were revisited with a view to showing the type of landscaping that could be introduced to enhance the scheme. The following Masterplan looks at Option A and introduces a new cycle link (shown in red), segregated footpath (shown in yellow), along with associated landscaping areas (green). The major routes to key destinations are also highlighted to demonstrate how the enhancement to the A92 would provide a key building block for other routes within the town. Following this some visualisations have been created of the scheme to demonstrate how it could potentially look if implemented.

Figure 13 – Option A retaining the western carriageway of the A92 with a reallocation of space on the eastern carriageway with associated landscaping and cycle route

5.6 Visualisations – How it could look

5.6.1 View along A92 Southwards towards the Harbour Roundabout

Existing Photo



Potential Scheme



5.6.2 View along A92 towards Signal Tower Museum

Existing Photo



Potential Scheme



5.6.3 View along A92 past Gayfeild Stadium

Existing Photo



Potential Scheme



5.6.4 View along A92 towards Lordburn Roundabout

Existing Photo



Potential Scheme



5.6.5 View along A92 from Morrison/ Hume Street

Existing Photo



Potential Scheme



5.7 Summary

This Chapter has examined the potential route along the A92 and expanded the concept in terms of the associated landscaping and amenity areas that could be introduced as part of the scheme to provide a high quality route for residents, businesses, and tourists alike. It has demonstrated that the introduction of segregated cycle route could be a catalyst to deliver an attractive welcoming environment which would be conducive to encouraging walking and cycling and provide connectivity through the A92 rather than it acting as a barrier and resulting in segregation. The concepts discussed in this and previous Chapters were then presented to the public and this is discussed in the following Chapter 6.

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Consultation &
Feedback

06

6. Consultation & Feedback

6.1 Introduction

The previous Chapters have discussed the concept of active travel and the aims of the project which have then led to feasibility options in terms of what could potentially be delivered along the A92 corridor. This has included an examination of the space available, a capacity modelling exercise to demonstrate the potential impact on junctions along the corridor, and a review of the associated landscaping which could significantly enhance the environment and character of the corridor. All of this was collated into various presentation boards which were then presented at 2 drop in sessions within Arbroath and are discussed in further detail below.

6.2 Consultation Events

The first of the consultation events was held at Arbroath Community Hall on Friday 27th April with the second being at the Webster Theatre on Saturday 28th April. Seven Consultation boards were prepared which gave some background into the potential scheme and visualisations of the scheme and how it could potentially look. A couple of the boards are replicated below with the full set available in Appendix E.



Figure 14 – Example of Information Presented at the Consultation Event

The two events had over 150 attendees with 62 written responses received. Some images below detail participants at the event.



6.2.1 Feedback Received

A summary of the 61 card responses received is contained below.

- 3 Strongly Oppose
- 1 Neutral
- 12 Support
- 45 Strongly Support

Due to the number of responses that indicated they support or strongly support the scheme, only a sample of these responses are included.

Strongly Support

"It would be a great enhancement to the water front area, would be nice to see similar design for the High Street"

"This will help bring more tourism back to Arbroath and will be safer for pedestrians and cyclists. Great idea"

"Fully support this idea. The dual carriageway encourages speeding, compromises safety and splits the town in two. Aesthetically, it is not helpful in highlighting the beauty of the town. We have a few jewels in our crown and the road directs you past most, with no opportunity to stop and enjoy"

"Can't see the reduction in lanes having any serious effect on traffic movement. This project is about 15 years late! Well worth doing"

"Good to join up the two parts of Arbroath. Great for shops/ businesses in West Port. More trees/ planting and less road, hurrah. Good for tourism, joining the abbey, Harbour and West links. Safer for cyclists and pedestrians"

"This is a very good visualisation of what the main artery in Arbroath should be like. We want to create a more accessible waterfront, and improve connectivity between the railway station and bus station with the High Street and Harbour. The creation of a safe cycleway and pedestrian space will encourage active travel, and help to improve the whole visitor experience. This will create food and retail opportunities and help the local economy"

"Good for safety, good for tourism, good for connecting High Street and Westport, good all round"

"I like the idea of almost creating another natural (planted) stream. I like the idea of reducing the traffic lanes to make it easier for the public to cross. I am pleased to hear that consideration is to be given to the installation of traffic controls"

"Look forward to having a more accessible, safer mode of travel (i.e. cycle, pushchair) through our town"

"I'd like to see good community involvement in growing projects along the route"

"I don't think there will ever be a perfect solution to our dual problem but this seems like an excellent compromise"

"Strongly support this proposal and could see lots of opportunity to develop the area, i.e. plaza for markets, concerts etc."

"Great idea, will vastly improve the dual carriageway area of town for pedestrians and cyclists"

Support

"Arbroath needs internal improvement for shops and tourism. Well done, positive improvement to the town which is needed"

"Cyclists need us a cycle path, not pavement. Is it worth the costs involved? Cycle path elsewhere in town are not used by cyclists. Express concern regarding flow of traffic with reduced lanes but it would look bonnie. Any planting for greenery preferred on Harbour side"

"The plans look attractive and interesting, hopefully bring an interest to the town, which is greatly needed."

"Wonderful idea, looks impressive. Slight reservation about single carriageway"

Neutral

"Concerned about the proposals creating traffic congestion"

Strongly Oppose

"Having spent umpteen thousands of pounds creating a dual carriageway, many more thousands are to be spent ripping it up to favour cyclists who in general in Arbroath ignore all traffic regulations. They ignore existing cycle lanes and cycle on pavement"

"This project has been taken out of context from charrette consultation. Taking a narrow geographic area, not looking at the knock on effects in outlying area and projects which are ongoing (Ladyloan school). Changes in parking etc. If goes ahead with no expansion or projects to enhance surrounding areas will be an oasis surrounded by poor facilities"

"We need more road capacity not less. Cyclists should be prosecuted for not using designated lanes. Crossing the road should be by footbridge, not pollution causing traffic signals"

6.3 Social Pinpoint

Social pinpoint (<https://anguscouncil.mysocialpinpoint.co.uk/accessible-arbroath>) has been trialled as part of this project and allows comments on the various pieces of uploaded information. For this particular project the study area and various visualisations were uploaded along with a brief description of what the project entails. A screen grab of the project website is shown below. This allows comments to be uploaded and shared in order to try and maximise the feedback received for the potential scheme. The advantages of Social Pinpoint include a permanent record of the comments that can be referred back to as the project progresses through potential preliminary and detailed design stages.

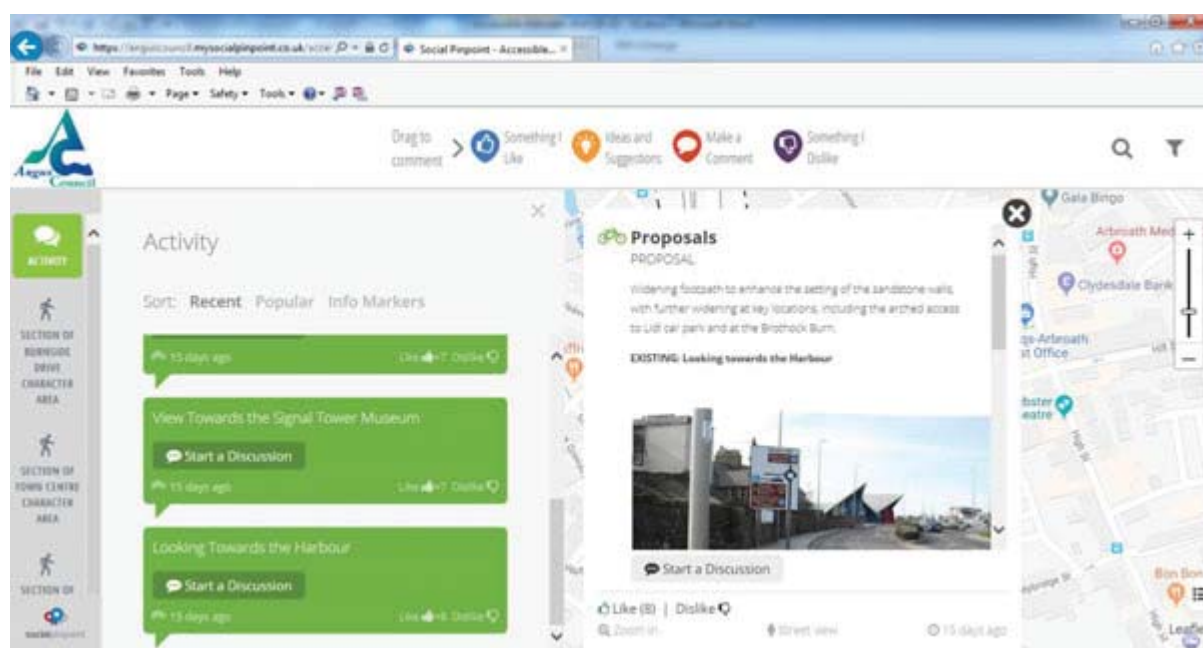


Figure 15 – Screen grab of Project Website

With Accessible Arbroath forming the first live Council project using Social Pinpoint there has been limited time to fully make use of its capabilities and indeed the feedback from the public via the portal. It is recommended that the portal be kept open to allow all feedback to be gathered and should the scheme progress to a preliminary and detailed design stage, this additional feedback will provide further valuable insight into how to improve the proposals.

Despite the limited time available a number of comments have been received through Social Pinpoint which have been reproduced below.

“It would be great to see any planting throughout the whole scheme be native and coastal species where possible. This has the potential to be a pollinator corridor and also a good food source for birds e.g. Pine for goldfinch etc. Take a look at the urban section of the Tayside Local Biodiversity Action Plan for ideas. Why not try something a little different and sympathetic to the species found on the coast e.g. Coastal wildflower species (see Seaton Cliffs)”

“I think it will improve this area if more space is available for walking, cycling and enjoying outdoor space. I would keen to see coastal plant and tree species included in the planting schemes where possible. I'd hope that this attention to detail would add to the towns maritime heritage and coastal biodiversity.”

“The whole proposal looks great, it will make for a much more pleasant welcome for people coming to the town (via the bus station in particular.) A suggestion I have would be to create some sort of crossing over the A92 (nearer the Guthrie Port end. We often have difficulty crossing this road, particularly at the beginning or end of the day when traffic is heavier.”

“It appears that the road capacity would be significantly reduced and therefore lead to traffic jams. Although the dual carriageway was not welcomed 40 years ago the volume of traffic has increased to such an extent now that a dual carriageway would appear to be a relevant feature certainly between Brothock Bridge and the Guthrie Port roundabout.”

“The amount of traffic which builds up at the roundabout here would suggest that a dual carriageway would be in keeping at this point”

“Reducing the number of lanes in Burnside and town centre will just create a giant car park without building another bypass outside the town. Since the dual was built I have had no problems crossing across or cycling along. Using a very large sledge hammer to crack a non-existent nut. The Ladyloan section could be reduced to single lane but there is already a very wide shared use path alongside for cyclists so don't see the benefit”

6.4 Summary

Overall the proposal to alter the A92 from a dual carriageway to a 2-way signal carriageway has been well received by residents and businesses with many providing valuable feedback into how the scheme could be further enhanced. It is acknowledged by many that there could be wider reaching benefits for Arbroath through the delivery of this transport infrastructure project.

Of the limited negative comments received, the majority of these focus on traffic capacity of the A92 and the potential congestion with alterations to the dual carriageway. As has been discussed and assessed within Chapter 4 however, the dual carriageway can be adapted to a single carriageway without any of the junctions along the corridor experiencing capacity issues. This assessment has also included Local Development Plan allocations in order to provide a robust test of future traffic flows along the corridor.

The background is a solid green color. It features several thin white lines that intersect to form a series of geometric shapes, including triangles and quadrilaterals, across the page.

Action Plan &
Indicative Costs

07

7. Action Plan

7.1 Introduction

This study has confirmed a range of enhancements which combined provide a comprehensive sustainable transport network along the A92 corridor. The following action plan will list the key tasks required to progress the scheme and it is envisaged that of the 10 junctions analysed below, all would require some form of reconfiguration with the exception of Arbroath Bus Station (Junction 5) and the B964 mini-roundabout (Junction 10).

As discussed within the modelling Chapter, the A92/ B964 mini-roundabout is pushed to capacity with the addition of LDP traffic, however there are no active travel enhancements proposed at this junction and it falls outside of the remit of the current study area. It is recommended that Angus Council address this potential issue through a separate study.



Figure 14: Traffic Modelling Study Network

7.2 Cost Estimate

A high level cost estimate has been prepared based on unit cost rates extracted from Transport for Greater Manchester’s Cycling Design Guidance. The estimate has also been benchmarked against recent pricing examples, to confirm that it is in line with the current competitive market. It should be noted that the estimate does not include costs associated with land purchase, design and contract documentation, legal fees, traffic management and project management. As this project is at the feasibility stage, an Optimisation Bias of 44% has been applied per Table 13.4 - Stage 1: Programme Entry, ‘The Scottish Transport Appraisal Guidance’ (STAG), Technical Database, 2014’

Item	Description	Cost
<i>Junction 1 – A92 Burnside Drive/ Guthrie Port Roundabout</i>		
Infrastructure	Conversion of large 52-metre ICD Roundabout to a form of traffic signals to allow controlled crossings for pedestrians and	£800,000 - £1,200,00
Landscaping	cyclists. Streetscape / Public Realm enhancement	
<i>Section between Junctions 1 & 2 (115 metres)</i>		
Infrastructure	Northbound bus layby to be reconfigured with potential additional stop southbound. Pedestrian crossing to be	£150,000 - £220,000
Landscaping	incorporated as part of new bus stop arrangements enhancing movements to/ from Morrison's and Hume Street	
<i>Junction 2 – A92 Burnside Drive/ Hume Street Priority Controlled</i>		
Infrastructure	Modifications to existing priority junction to allow all	£180,000 - £250,000
Landscaping	movements. Incorporation of right turn ghost island.	
<i>Section between Junctions 2 & 3 (80 metres)</i>		
Infrastructure	Southbound bus layby to be reconfigured to floating bus stop. Possible northbound bus stop with reconfiguration of Junction	£100,000 - £150,000
Landscaping	3 including crossing facilities.	
<i>Junction 3 – A92 Burnside Drive/ Lordburn Roundabout</i>		
Infrastructure	Reconfiguration of 4-arm Roundabout to a form of traffic signals to allow controlled crossings for pedestrians and	£500,000 - £650,000
Landscaping	cyclists. Would also require reconfiguration of Maule Street access and parking	
<i>Section between Junctions 3 & 4 (55 metres)</i>		
Infrastructure	Reconfiguration of carriageway required	£80,000 - £100,000
Landscaping		
<i>Junction 4 – A92 Burnside Drive/ Catherine Street Traffic Signals</i>		
Infrastructure	Reconfiguration of carriageway required as well as upgrade of	£275,000 - £350,000
Landscaping	existing signals	
<i>Section between Junctions 4 & 6 (80 metres)</i>		
Infrastructure	Reconfiguration of carriageway required	£130,000 - £150,000
Landscaping		
<i>Junction 6 – A92 Burnside Drive/ Millgate Loan Traffic Signals</i>		
Infrastructure	Reconfiguration of carriageway required as well as upgrade of	£275,000 - £350,000
Landscaping	existing signals	
<i>Section between Junctions 6 & 7 (55 metres)</i>		

Infrastructure	Reconfiguration of carriageway required	£80,000 - £100,000
Landscaping		
<i>Junction 7 – A92 Burnside Drive/ Brothock Bridge Traffic Signals</i>		
Infrastructure	Reconfiguration of carriageway required as well as upgrade of existing signals	£275,000 - £350,000
Landscaping		
<i>Section between Junctions 7 & 8 (230 metres)</i>		
Infrastructure	Includes reconfiguration of E Grimsby	£500,000 - £650,000
Landscaping		
<i>Junction 8 – A92 Burnside Drive/ E Mary Street/ Harbour Roundabout</i>		
Infrastructure	Reconfiguration of 4-arm Roundabout to a form of traffic signals to allow controlled crossings for pedestrians and cyclists.	£500,000 - £600,000
Landscaping		
<i>Section between Junctions 8 & 9 (440 metres)</i>		
Infrastructure	Includes replacement bus laybys/ stops to be floating bus stops and reconfiguration of access points associated with Signal Tower Museum and Inchcape Park	£800,000 - £1,000,000
Landscaping		
<i>Junction 9 – A92 Ladyloan/ Millgate Load Priority Controlled</i>		
Infrastructure	Modifications to existing priority junction to allow all movements. Incorporation of right turn ghost island and tightening of corner radii.	£250,000 - £350,000
Landscaping		
<i>Intermediate Section between Junctions 9 & 10 (Dual Carriageway Section and integration to existing single carriageway 250 metres)</i>		
Infrastructure	Includes new pedestrian cross at Gayfield and reconfiguration of Queen's Drive	£450,000 - £550,000
Landscaping		
SubTotal		£5,345,000 – £7,020,000
Optimism Bias for Civil Works (44%)		£2,351,800 – £3,088,800
Total – All Sections		£7,696,800 - £10,108,800

*Note the above costs exclude land ownership and public utilities albeit it is estimated that all works would be within the existing highway boundary. Costs of traffic signal installation would also be dependent upon whether a SCOOT system is implemented. In addition, no allowance has been made for possible implications to existing structures such as that over Brothock Water.

Appendix A - Base Traffic Survey Information

TRAFFIC & PEDESTRIAN SURVEY REPORT

A92 (BURNSIDE DRIVE), ARBROATH

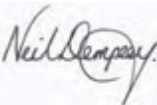
TRANSURVEYS LIMITED

BLUE SQUARE OFFICES, 272 BATH STRET, GLASGOW, G2 4JR

TRAFFIC & PEDESTRIAN SURVEY REPORT

QUALITY MANAGEMENT

CLIENT AECOM
PROJECT A92 (Burnside Drive), Arbroath
REFERENCE TS-18-002
REVISION 001

Revision	Date	Prepared by	Signed	Checked by	Signed
001	23/02/2018	Neil Dempsey		Neil Dempsey	

DISCLAIMER

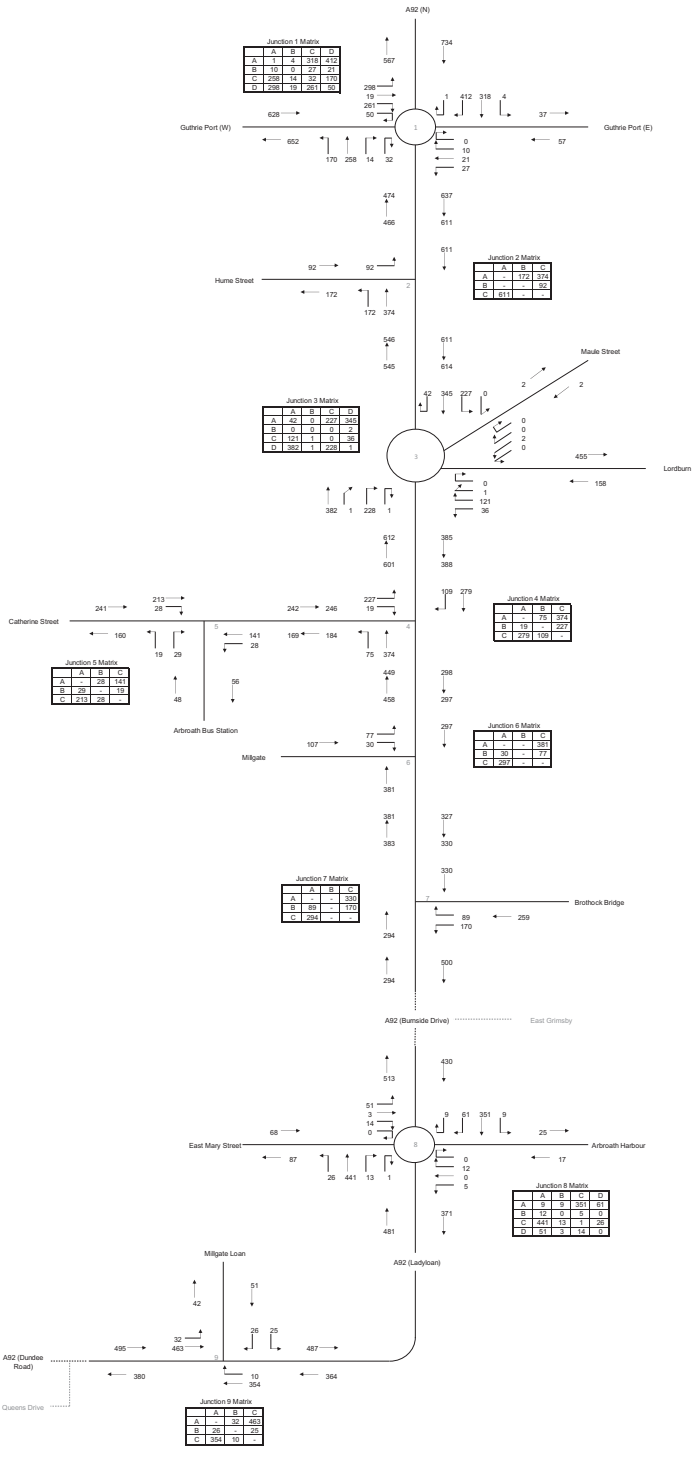
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SURVEYED NETWORK

1. A92 (Burnside Drive) / Guthrie Port Roundabout;
2. A92 (Burnside Drive) / Hume Street Priority Junction (Left in/Left out)
3. A92 (Burnside Drive) / Lordburn Roundabout;
4. A92 (Burnside Drive / Catherine Street Traffic Signals;
5. Catherine Street / Arbroath Bus Station Priority Junction;
6. A92 (Burnside Drive) / Millgate Traffic Signals;
7. A92 (Burnside Drive) / Brothock Bridge Traffic Signals;
8. A92 (Burnside Drive / Ladyburn) / East Mary Street Roundabout;
9. A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction; and
10. A92 (Dundee Road) / B964 Roundabout.

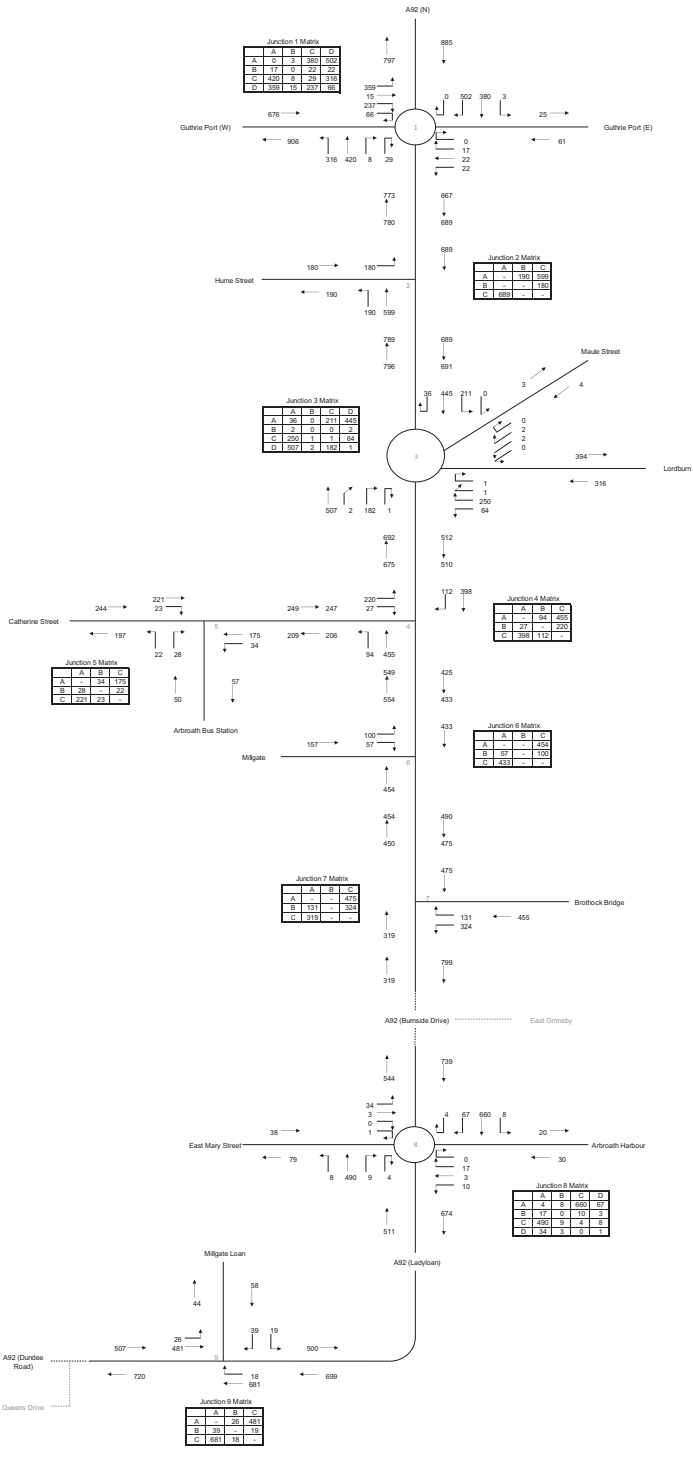


CLASSIFIED VEHICLE JUNCTION TURNING COUNTS



Weekday AM Hour **Peak Hour**
 Veh Classification **Light**
 Date: 8th February 2018

For illustrative purposes only, please refer to data sheets for individual traffic movements.



Weekday PM Hour Peak Hour
 Veh Classification **Light** **Heavy**
 Date: 8th February 2018

For illustrative purposes only, please refer to data sheets for individual traffic movements.

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018

Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.1: A92 to Guthrie Port (East) Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0	0.00
07:30 - 07:45	0	0	0	0	0	0	0	0	0	0	0.00
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0	0.00
08:00 - 08:15	0	0	2	0	0	0	0	2	0	2	2.00
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0	0.00
08:30 - 08:45	0	0	0	0	0	0	0	0	0	0	0.00
08:45 - 09:00	0	0	0	0	0	0	0	0	0	0	0.00
09:00 - 09:15	0	0	0	0	0	0	0	0	0	0	0.00
09:15 - 09:30	0	0	2	0	0	0	0	2	0	2	2.00
09:30 - 09:45	0	0	0	0	1	0	0	1	1	1	1.50
09:45 - 10:00	0	0	2	0	0	0	0	2	0	2	2.00
TOTAL	0	0	6	0	1	0	0	7	1	7	7.50

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	2	0	0	0	0	2	0	2.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	2	0	1	0	0	3	1	3.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	1	0	1	0	0	0	0	2	0	2	1.20
15:45 - 16:00	0	0	0	0	0	0	0	0	0	0	0.00
16:00 - 16:15	0	0	0	0	0	0	0	0	0	0	0.00
16:15 - 16:30	0	0	1	0	0	0	0	1	0	1	1.00
16:30 - 16:45	1	0	1	0	0	0	0	2	0	2	1.20
16:45 - 17:00	0	0	0	0	0	0	0	0	0	0	0.00
17:00 - 17:15	0	0	1	0	0	0	0	1	0	1	1.00
17:15 - 17:30	0	0	1	0	0	0	0	1	0	1	1.00
17:30 - 17:45	0	0	0	1	0	0	0	1	0	1	1.00
17:45 - 18:00	0	0	0	0	0	0	0	0	0	0	0.00
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0	0.00
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL	2	0	5	1	0	0	0	8	0	8	6.40

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		1	0	3	0	0	0	0	4	0	3.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		1	0	3	0	0	0	0	4	0	3.20

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.2: A92 to A92 (Burnside Drive) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	25	6	2	0	1	34	3	36.00	
07:15 - 07:30	1	0	51	9	1	1	0	63	2	64.00	
07:30 - 07:45	0	0	48	7	0	0	2	57	2	59.00	
07:45 - 08:00	0	0	56	9	0	3	1	69	4	73.90	
08:00 - 08:15	0	0	53	8	6	1	1	69	8	74.30	
08:15 - 08:30	0	0	57	9	0	1	0	67	1	68.30	
08:30 - 08:45	0	0	45	7	2	0	1	55	3	57.00	
08:45 - 09:00	0	0	80	12	0	3	0	95	3	98.90	
09:00 - 09:15	0	0	70	4	1	1	3	79	5	83.80	
09:15 - 09:30	0	0	45	9	2	3	1	60	6	65.90	
09:30 - 09:45	0	0	55	7	2	1	1	66	4	69.30	
09:45 - 10:00	0	2	57	10	1	2	0	72	3	73.90	
TOTAL	1	2	642	97	17	16	11	786	44	824.30	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	240	32	5	7	5	289	17	305.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	250	32	5	8	5	300	18	317.90

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	1	0	54	7	0	1	1	64	2	65.50	
15:45 - 16:00	0	0	64	16	5	0	1	86	6	89.50	
16:00 - 16:15	0	0	82	8	0	0	1	91	1	92.00	
16:15 - 16:30	0	0	73	21	1	0	2	97	3	99.50	
16:30 - 16:45	0	0	70	17	0	1	1	89	2	91.30	
16:45 - 17:00	0	0	85	5	1	1	1	93	3	95.80	
17:00 - 17:15	0	0	80	10	2	0	0	92	2	93.00	
17:15 - 17:30	0	0	79	4	0	1	1	85	2	87.30	
17:30 - 17:45	0	0	90	3	0	0	0	93	0	93.00	
17:45 - 18:00	0	0	66	5	0	0	1	72	1	73.00	
18:00 - 18:15	0	0	52	2	0	0	2	56	2	58.00	
18:15 - 18:30	0	0	63	6	1	0	1	71	2	72.50	
TOTAL	1	0	858	104	10	4	12	989	26	1010.40	

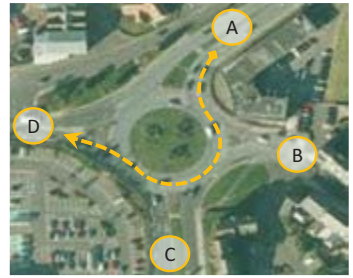
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	314	36	3	3	3	359	9	367.40
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	308	53	4	2	4	371	10	379.60

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.3: A92 to Guthrie Port (West) Right Turn (A-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	46	12	0	0	0	58	0	58.00	
07:15 - 07:30	0	1	53	13	2	0	0	69	2	69.40	
07:30 - 07:45	0	0	49	11	2	0	0	62	2	63.00	
07:45 - 08:00	0	0	69	13	1	1	0	84	2	85.80	
08:00 - 08:15	0	0	56	12	1	2	0	71	3	74.10	
08:15 - 08:30	0	0	80	12	1	2	0	95	3	98.10	
08:30 - 08:45	0	1	115	10	2	1	0	129	3	130.70	
08:45 - 09:00	0	0	128	15	0	1	1	145	2	147.30	
09:00 - 09:15	0	0	101	9	2	1	0	113	3	115.30	
09:15 - 09:30	0	0	61	9	2	1	0	73	3	75.30	
09:30 - 09:45	0	0	59	9	1	1	1	71	3	73.80	
09:45 - 10:00	0	0	71	7	0	0	0	78	0	78.00	
TOTAL	0	2	888	132	14	10	2	1048	26	1068.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	1	405	43	6	4	1	460	11	468.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	349	42	5	4	2	402	11	411.70

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	102	10	2	1	0	115	3	117.30	
15:45 - 16:00	0	0	100	13	2	1	1	117	4	120.30	
16:00 - 16:15	0	0	106	7	1	2	0	116	3	119.10	
16:15 - 16:30	0	0	100	14	1	2	0	117	3	120.10	
16:30 - 16:45	0	0	90	10	0	1	0	101	1	102.30	
16:45 - 17:00	0	0	127	12	0	2	0	141	2	143.60	
17:00 - 17:15	0	0	118	16	1	0	0	135	1	135.50	
17:15 - 17:30	0	0	131	11	0	0	0	142	0	142.00	
17:30 - 17:45	0	0	95	12	1	0	0	108	1	108.50	
17:45 - 18:00	0	0	94	7	1	0	0	102	1	102.50	
18:00 - 18:15	0	0	101	7	0	1	0	109	1	110.30	
18:15 - 18:30	1	0	83	11	0	1	0	96	1	96.50	
TOTAL	1	0	1247	130	9	11	1	1399	21	1418.00	

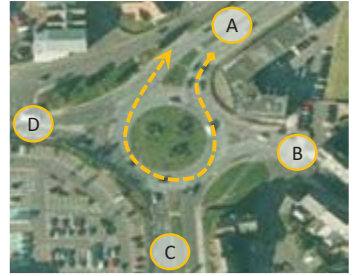
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	466	49	1	3	0	519	4	523.40
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	435	52	2	5	0	494	7	501.50

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.4: A92 to A92 U-Turn (A-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	1	0	0	0	0	0	0	1	0	0.20	
07:15 - 07:30	1	0	0	0	0	4	0	5	4	9.40	
07:30 - 07:45	0	0	0	0	0	5	0	5	5	11.50	
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0.00	
08:00 - 08:15	0	0	0	0	0	0	0	0	0	0.00	
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0.00	
08:30 - 08:45	0	0	0	0	0	0	0	0	0	0.00	
08:45 - 09:00	1	0	0	0	0	0	0	1	0	0.20	
09:00 - 09:15	0	1	0	0	0	0	0	1	0	0.40	
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0.00	
09:30 - 09:45	1	0	0	0	0	0	0	1	0	0.20	
09:45 - 10:00	1	0	0	0	0	0	0	1	0	0.20	
TOTAL	5	1	0	0	0	9	0	15	9	22.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		1	1	0	0	0	0	0	2	0	0.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		2	1	0	0	0	0	0	3	0	0.80

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	2	0	0	0	0	0	0	2	0	0.40	
15:45 - 16:00	3	0	0	0	0	0	0	3	0	0.60	
16:00 - 16:15	2	0	0	0	0	0	0	2	0	0.40	
16:15 - 16:30	0	0	0	0	0	0	0	0	0	0.00	
16:30 - 16:45	0	0	0	0	0	0	0	0	0	0.00	
16:45 - 17:00	2	0	0	0	0	0	0	2	0	0.40	
17:00 - 17:15	0	0	0	0	0	0	0	0	0	0.00	
17:15 - 17:30	1	0	0	0	0	0	0	1	0	0.20	
17:30 - 17:45	1	0	0	0	0	0	0	1	0	0.20	
17:45 - 18:00	0	0	0	0	0	0	0	0	0	0.00	
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0.00	
18:15 - 18:30	1	0	0	0	0	0	0	1	0	0.20	
TOTAL	12	0	0	0	0	0	0	12	0	2.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		3	0	0	0	0	0	0	3	0	0.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		2	0	0	0	0	0	0	2	0	0.40

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.5: Guthrie Port (East) to A92 (Burnside Drive) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	4	0	0	0	0	4	0	4.00	
07:15 - 07:30	0	0	0	3	0	1	0	4	1	5.30	
07:30 - 07:45	0	0	3	0	2	0	0	5	2	6.00	
07:45 - 08:00	0	0	5	0	1	0	0	6	1	6.50	
08:00 - 08:15	0	0	2	0	1	0	0	3	1	3.50	
08:15 - 08:30	0	0	4	2	0	0	0	6	0	6.00	
08:30 - 08:45	0	0	3	1	0	0	0	4	0	4.00	
08:45 - 09:00	0	0	5	5	0	0	0	10	0	10.00	
09:00 - 09:15	0	0	4	3	1	0	0	8	1	8.50	
09:15 - 09:30	0	0	1	1	0	0	0	2	0	2.00	
09:30 - 09:45	0	0	2	4	0	0	0	6	0	6.00	
09:45 - 10:00	0	0	1	0	2	0	0	3	2	4.00	
TOTAL	0	0	34	19	7	1	0	61	8	65.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	13	10	1	0	0	24	1	24.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	12	13	1	0	0	26	1	26.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	2	0	0	0	0	2	0	2.00	
15:45 - 16:00	0	0	5	1	0	0	0	6	0	6.00	
16:00 - 16:15	0	0	6	0	0	0	0	6	0	6.00	
16:15 - 16:30	0	0	3	1	0	0	0	4	0	4.00	
16:30 - 16:45	0	0	6	1	0	0	0	7	0	7.00	
16:45 - 17:00	0	0	2	2	1	0	0	5	1	5.50	
17:00 - 17:15	0	0	5	0	0	0	0	5	0	5.00	
17:15 - 17:30	0	0	3	2	0	0	0	5	0	5.00	
17:30 - 17:45	0	0	2	0	0	0	0	2	0	2.00	
17:45 - 18:00	0	0	5	0	0	0	0	5	0	5.00	
18:00 - 18:15	0	0	4	1	0	0	0	5	0	5.00	
18:15 - 18:30	0	0	1	0	0	0	0	1	0	1.00	
TOTAL	0	0	44	8	1	0	0	53	1	53.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	16	5	1	0	0	22	1	22.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	16	4	1	0	0	21	1	21.50

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

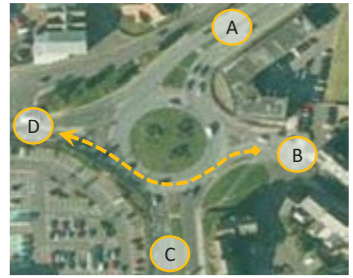
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018

Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.6: Guthrie Port (East) to Guthrie Port (West) Ahead (B-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	2	1	0	0	0	3	0	3.00	
07:15 - 07:30	0	0	3	0	0	0	0	3	0	3.00	
07:30 - 07:45	0	0	2	1	0	0	0	3	0	3.00	
07:45 - 08:00	0	0	3	1	0	0	0	4	0	4.00	
08:00 - 08:15	0	0	1	3	0	0	0	4	0	4.00	
08:15 - 08:30	0	0	4	1	0	0	0	5	0	5.00	
08:30 - 08:45	0	0	6	1	0	0	0	7	0	7.00	
08:45 - 09:00	0	0	5	0	0	0	0	5	0	5.00	
09:00 - 09:15	0	0	5	0	0	0	0	5	0	5.00	
09:15 - 09:30	0	0	4	1	0	0	0	5	0	5.00	
09:30 - 09:45	0	0	6	0	0	0	0	6	0	6.00	
09:45 - 10:00	0	0	6	2	0	0	0	8	0	8.00	
TOTAL	0	0	47	11	0	0	0	58	0	58.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	20	2	0	0	0	22	0	22.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	20	1	0	0	0	21	0	21.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	6	1	0	0	0	7	0	7.00	
15:45 - 16:00	0	0	3	3	0	0	0	6	0	6.00	
16:00 - 16:15	0	0	7	0	0	0	0	7	0	7.00	
16:15 - 16:30	0	0	4	1	0	0	0	5	0	5.00	
16:30 - 16:45	0	0	2	1	0	0	0	3	0	3.00	
16:45 - 17:00	0	0	3	3	0	0	0	6	0	6.00	
17:00 - 17:15	0	0	7	1	0	0	0	8	0	8.00	
17:15 - 17:30	0	0	4	1	0	0	0	5	0	5.00	
17:30 - 17:45	0	0	7	3	0	0	0	10	0	10.00	
17:45 - 18:00	0	0	9	0	0	0	0	9	0	9.00	
18:00 - 18:15	0	0	7	1	0	0	0	8	0	8.00	
18:15 - 18:30	0	0	8	0	0	0	0	8	0	8.00	
TOTAL	0	0	67	15	0	0	0	82	0	82.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	16	6	0	0	0	22	0	22.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	16	6	0	0	0	22	0	22.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.7: Guthrie Port (East) to A92 Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	1	0	0	0	0	1	0	1.00	
07:15 - 07:30	0	0	2	0	0	0	0	2	0	2.00	
07:30 - 07:45	0	0	1	0	0	0	0	1	0	1.00	
07:45 - 08:00	0	0	2	0	0	0	0	2	0	2.00	
08:00 - 08:15	0	0	1	0	0	0	0	1	0	1.00	
08:15 - 08:30	0	0	3	0	0	0	0	3	0	3.00	
08:30 - 08:45	0	0	1	0	0	0	0	1	0	1.00	
08:45 - 09:00	0	0	1	0	0	0	0	1	0	1.00	
09:00 - 09:15	0	0	3	1	1	0	0	5	1	5.50	
09:15 - 09:30	0	0	2	0	0	0	0	2	0	2.00	
09:30 - 09:45	0	0	1	0	0	0	0	1	0	1.00	
09:45 - 10:00	0	0	2	2	0	0	0	4	0	4.00	
TOTAL	0	0	20	3	1	0	0	24	1	24.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	7	1	1	0	0	9	1	9.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	7	1	1	0	0	9	1	9.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	6	0	0	0	0	6	0	6.00	
15:45 - 16:00	0	0	2	0	0	0	0	2	0	2.00	
16:00 - 16:15	0	0	7	0	0	0	0	7	0	7.00	
16:15 - 16:30	0	0	4	1	0	0	0	5	0	5.00	
16:30 - 16:45	0	0	7	1	0	0	0	8	0	8.00	
16:45 - 17:00	0	0	0	0	0	0	0	0	0	0.00	
17:00 - 17:15	0	0	3	1	0	0	0	4	0	4.00	
17:15 - 17:30	0	0	3	0	0	0	0	3	0	3.00	
17:30 - 17:45	0	0	1	2	0	0	0	3	0	3.00	
17:45 - 18:00	0	0	4	0	0	0	0	4	0	4.00	
18:00 - 18:15	0	0	2	1	0	0	0	3	0	3.00	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	39	6	0	0	0	45	0	45.00	

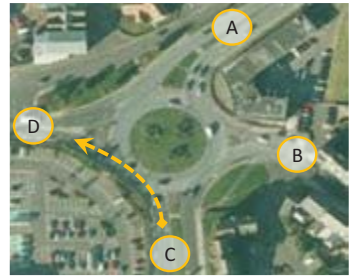
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	13	2	0	0	0	15	0	15.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	14	3	0	0	0	17	0	17.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.9: A92 (Burnside Drive) to Guthrie Port (West) Left Turn (C-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	11	4	2	0	0	17	2	18.00	
07:15 - 07:30	0	0	7	3	0	0	0	10	0	10.00	
07:30 - 07:45	0	0	13	2	0	0	0	15	0	15.00	
07:45 - 08:00	0	0	21	10	0	0	0	31	0	31.00	
08:00 - 08:15	0	0	24	8	1	1	0	34	2	35.80	
08:15 - 08:30	0	0	17	4	0	2	0	23	2	25.60	
08:30 - 08:45	0	0	26	6	0	0	0	32	0	32.00	
08:45 - 09:00	0	0	25	7	4	0	0	36	4	38.00	
09:00 - 09:15	0	0	36	9	0	0	0	45	0	45.00	
09:15 - 09:30	1	0	36	7	0	0	0	44	0	43.20	
09:30 - 09:45	0	0	39	2	0	1	0	42	1	43.30	
09:45 - 10:00	0	0	52	3	1	0	0	56	1	56.50	
TOTAL	1	0	307	65	8	4	0	385	12	393.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		1	0	123	29	4	0	0	157	4	158.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		1	0	136	25	4	1	0	167	5	169.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	60	5	1	0	0	66	1	66.50	
15:45 - 16:00	0	0	59	7	0	0	0	66	0	66.00	
16:00 - 16:15	0	0	51	4	0	0	0	55	0	55.00	
16:15 - 16:30	0	0	64	6	0	0	1	71	1	72.00	
16:30 - 16:45	0	0	80	12	1	0	0	93	1	93.50	
16:45 - 17:00	0	1	61	2	0	1	0	65	1	65.70	
17:00 - 17:15	0	0	81	4	0	0	0	85	0	85.00	
17:15 - 17:30	0	0	64	5	0	0	0	69	0	69.00	
17:30 - 17:45	0	0	62	3	0	0	0	65	0	65.00	
17:45 - 18:00	0	0	50	6	0	0	0	56	0	56.00	
18:00 - 18:15	0	0	63	2	0	0	0	65	0	65.00	
18:15 - 18:30	0	0	37	3	0	0	0	40	0	40.00	
TOTAL	0	1	732	59	2	1	1	796	4	798.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	1	286	23	1	1	0	312	2	313.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	1	286	24	1	1	1	314	3	316.20

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.10: A92 (Burnside Drive) to A92 Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	21	7	1	1	0	30	2	31.80	
07:15 - 07:30	0	0	60	8	4	0	1	73	5	76.00	
07:30 - 07:45	0	0	63	6	1	2	1	73	4	77.10	
07:45 - 08:00	0	0	64	13	0	4	0	81	4	86.20	
08:00 - 08:15	0	0	68	12	2	1	0	83	3	85.30	
08:15 - 08:30	0	0	55	8	3	1	0	67	4	69.80	
08:30 - 08:45	0	0	60	7	1	2	0	70	3	73.10	
08:45 - 09:00	0	0	47	16	1	2	1	67	4	71.10	
09:00 - 09:15	0	0	46	9	1	1	0	57	2	58.80	
09:15 - 09:30	0	0	52	7	2	0	1	62	3	64.00	
09:30 - 09:45	0	0	47	6	6	1	0	60	7	64.30	
09:45 - 10:00	0	0	38	9	2	0	1	50	3	52.00	
TOTAL	0	0	621	108	24	15	5	773	44	809.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	205	39	5	5	2	256	12	267.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	192	38	10	4	2	246	16	258.20

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	100	14	0	1	0	115	1	116.30	
15:45 - 16:00	0	1	94	9	0	1	0	105	1	105.70	
16:00 - 16:15	0	0	87	13	0	0	1	101	1	102.00	
16:15 - 16:30	0	0	97	7	1	0	0	105	1	105.50	
16:30 - 16:45	0	0	101	13	0	1	0	115	1	116.30	
16:45 - 17:00	0	0	88	8	0	1	0	97	1	98.30	
17:00 - 17:15	0	0	85	11	0	1	1	98	2	100.30	
17:15 - 17:30	0	0	86	7	2	0	0	95	2	96.00	
17:30 - 17:45	0	0	91	5	0	1	0	97	1	98.30	
17:45 - 18:00	0	0	93	7	0	0	0	100	0	100.00	
18:00 - 18:15	0	0	82	5	0	1	1	89	2	91.30	
18:15 - 18:30	0	0	64	4	1	0	0	69	1	69.50	
TOTAL	0	1	1068	103	4	7	3	1186	14	1199.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	360	39	2	3	1	405	6	410.90
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	371	39	1	3	1	415	5	420.40

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.11: A92 (Burnside Drive) to Guthrie Port (East) Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	0	0	1	0	0	1	1	1	1.50
07:30 - 07:45	0	0	0	1	0	0	0	1	0	1	1.00
07:45 - 08:00	0	0	1	0	1	0	0	2	1	2	2.50
08:00 - 08:15	0	0	1	0	0	0	0	1	0	1	1.00
08:15 - 08:30	0	0	3	0	0	0	0	3	0	3	3.00
08:30 - 08:45	0	0	1	0	0	0	0	1	0	1	1.00
08:45 - 09:00	0	0	2	0	0	0	0	2	0	2	2.00
09:00 - 09:15	0	0	6	0	0	0	0	6	0	6	6.00
09:15 - 09:30	0	0	3	1	0	0	0	4	0	4	4.00
09:30 - 09:45	0	0	2	0	0	0	0	2	0	2	2.00
09:45 - 10:00	0	0	1	1	0	0	0	2	0	2	2.00
TOTAL	0	0	20	3	2	0	0	25	2	26.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	12	1	0	0	0	13	0	13.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	13	1	0	0	0	14	0	14.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	0	0	0	0	0	0	0	0	0.00
15:45 - 16:00	0	0	0	0	1	0	0	1	1	1	1.50
16:00 - 16:15	0	0	0	1	0	0	0	1	0	1	1.00
16:15 - 16:30	0	0	1	0	0	0	0	1	0	1	1.00
16:30 - 16:45	0	0	1	0	0	0	0	1	0	1	1.00
16:45 - 17:00	0	0	1	0	1	0	0	2	1	2	2.50
17:00 - 17:15	0	0	3	0	0	0	0	3	0	3	3.00
17:15 - 17:30	0	0	1	0	0	0	0	1	0	1	1.00
17:30 - 17:45	0	0	4	0	0	0	0	4	0	4	4.00
17:45 - 18:00	0	0	1	1	0	0	0	2	0	2	2.00
18:00 - 18:15	0	0	3	0	0	0	0	3	0	3	3.00
18:15 - 18:30	0	0	2	0	0	0	0	2	0	2	2.00
TOTAL	0	0	17	2	2	0	0	21	2	22.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	6	0	1	0	0	7	1	7.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	6	0	1	0	0	7	1	7.50

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.12: A92 (Burnside Drive) to A92 (Burnside Drive) U-Turn (C-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	1	0	0	0	1	0	1.00	
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0.00	
07:30 - 07:45	0	0	4	0	0	0	1	5	1	6.00	
07:45 - 08:00	0	0	1	0	0	0	0	1	0	1.00	
08:00 - 08:15	0	0	4	1	0	0	1	6	1	7.00	
08:15 - 08:30	0	0	4	0	0	0	0	4	0	4.00	
08:30 - 08:45	0	0	5	4	0	0	0	9	0	9.00	
08:45 - 09:00	0	0	3	3	0	0	1	7	1	8.00	
09:00 - 09:15	0	0	5	1	0	0	0	6	0	6.00	
09:15 - 09:30	0	0	8	2	0	0	1	11	1	12.00	
09:30 - 09:45	0	0	6	0	0	0	0	6	0	6.00	
09:45 - 10:00	0	0	8	1	0	0	2	11	2	13.00	
TOTAL	0	0	48	13	0	0	6	67	6	73.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	21	10	0	0	2	33	2	35.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	22	6	0	0	2	30	2	32.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	7	1	0	0	0	8	0	8.00	
15:45 - 16:00	0	0	5	2	0	0	0	7	0	7.00	
16:00 - 16:15	0	0	13	2	0	0	0	15	0	15.00	
16:15 - 16:30	0	0	2	0	0	0	0	2	0	2.00	
16:30 - 16:45	0	1	9	1	0	0	0	11	0	10.40	
16:45 - 17:00	0	0	5	0	1	0	1	7	2	8.50	
17:00 - 17:15	0	0	8	0	0	0	0	8	0	8.00	
17:15 - 17:30	0	0	6	0	0	0	1	7	1	8.00	
17:30 - 17:45	0	0	6	1	0	0	0	7	0	7.00	
17:45 - 18:00	0	0	6	1	0	0	1	8	1	9.00	
18:00 - 18:15	0	0	8	1	0	0	0	9	0	9.00	
18:15 - 18:30	0	0	6	0	0	0	0	6	0	6.00	
TOTAL	0	1	81	9	1	0	3	95	4	97.90	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	1	28	1	1	0	2	33	3	34.90
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	1	24	1	1	0	1	28	2	28.90

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.13: Guthrie Port (West) to A92 Left Turn (D-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	34	3	3	0	0	40	3	41.50	
07:15 - 07:30	0	0	49	7	2	2	0	60	4	63.60	
07:30 - 07:45	0	0	51	8	1	2	0	62	3	65.10	
07:45 - 08:00	0	0	48	8	1	0	0	57	1	57.50	
08:00 - 08:15	0	0	51	10	1	1	0	63	2	64.80	
08:15 - 08:30	0	0	61	8	2	0	0	71	2	72.00	
08:30 - 08:45	0	0	50	7	1	2	0	60	3	63.10	
08:45 - 09:00	0	0	77	8	1	1	0	87	2	88.80	
09:00 - 09:15	0	0	52	4	3	2	0	61	5	65.10	
09:15 - 09:30	0	0	65	7	3	1	0	76	4	78.80	
09:30 - 09:45	0	0	54	6	2	1	0	63	3	65.30	
09:45 - 10:00	0	0	45	11	2	0	0	58	2	59.00	
TOTAL	0	0	637	87	22	12	0	758	34	784.60	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	244	26	8	6	0	284	14	295.80
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	248	25	9	5	0	287	14	298.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	88	7	1	1	0	97	2	98.80	
15:45 - 16:00	0	0	76	9	1	1	1	88	3	90.80	
16:00 - 16:15	0	0	98	10	0	0	0	108	0	108.00	
16:15 - 16:30	0	0	64	9	0	0	0	73	0	73.00	
16:30 - 16:45	1	0	87	9	0	0	1	98	1	98.20	
16:45 - 17:00	0	0	82	11	1	1	0	95	2	96.80	
17:00 - 17:15	0	0	79	10	0	1	0	90	1	91.30	
17:15 - 17:30	1	0	93	12	2	0	0	108	2	108.20	
17:30 - 17:45	0	0	95	9	0	0	0	104	0	104.00	
17:45 - 18:00	0	0	89	6	0	0	0	95	0	95.00	
18:00 - 18:15	0	0	86	7	0	0	0	93	0	93.00	
18:15 - 18:30	0	0	64	7	0	0	0	71	0	71.00	
TOTAL	2	0	1001	106	5	4	2	1120	11	1128.10	

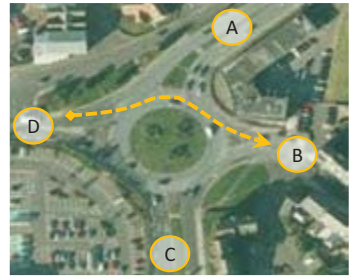
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		2	0	341	42	3	2	1	391	6	394.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		1	0	312	39	1	2	1	356	4	359.30

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.14: Guthrie Port (West) to Guthrie Port (East) Ahead (D-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	1	0	0	0	0	1	0	1.00	
07:15 - 07:30	0	0	1	1	0	0	0	2	0	2.00	
07:30 - 07:45	0	0	1	0	0	0	0	1	0	1.00	
07:45 - 08:00	0	0	2	2	0	0	0	4	0	4.00	
08:00 - 08:15	0	0	3	0	0	0	0	3	0	3.00	
08:15 - 08:30	0	0	2	0	0	0	0	2	0	2.00	
08:30 - 08:45	0	0	3	0	0	0	0	3	0	3.00	
08:45 - 09:00	0	0	8	0	0	0	0	8	0	8.00	
09:00 - 09:15	0	0	4	0	0	0	0	4	0	4.00	
09:15 - 09:30	0	0	4	0	0	0	0	4	0	4.00	
09:30 - 09:45	0	0	3	0	0	0	0	3	0	3.00	
09:45 - 10:00	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	32	3	0	0	0	35	0	35.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	19	0	0	0	0	19	0	19.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	19	0	0	0	0	19	0	19.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	1	0	3	1	0	0	0	5	0	4.20	
15:45 - 16:00	0	0	4	1	0	0	0	5	0	5.00	
16:00 - 16:15	0	0	7	1	0	0	0	8	0	8.00	
16:15 - 16:30	0	0	2	3	0	0	0	5	0	5.00	
16:30 - 16:45	0	0	3	0	0	0	0	3	0	3.00	
16:45 - 17:00	0	0	3	1	0	0	0	4	0	4.00	
17:00 - 17:15	0	0	1	0	1	0	0	2	1	2.50	
17:15 - 17:30	0	0	1	0	0	0	0	1	0	1.00	
17:30 - 17:45	0	0	5	1	0	0	0	6	0	6.00	
17:45 - 18:00	0	0	8	0	0	0	0	8	0	8.00	
18:00 - 18:15	0	0	2	0	0	0	0	2	0	2.00	
18:15 - 18:30	0	0	9	1	0	0	0	10	0	10.00	
TOTAL	1	0	48	9	1	0	0	59	1	58.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	8	1	1	0	0	10	1	10.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	9	4	1	0	0	14	1	14.50

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018

Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.15: Guthrie Port (West) to A92 (Burnside Drive) Right Turn (D-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	11	3	1	0	0	15	1	15.50	
07:15 - 07:30	0	0	13	2	1	0	0	16	1	16.50	
07:30 - 07:45	0	0	22	6	0	1	0	29	1	30.30	
07:45 - 08:00	0	0	29	10	1	1	0	41	2	42.80	
08:00 - 08:15	0	0	19	4	0	0	0	23	0	23.00	
08:15 - 08:30	0	0	44	7	1	0	0	52	1	52.50	
08:30 - 08:45	0	0	45	3	0	0	0	48	0	48.00	
08:45 - 09:00	0	0	58	13	0	0	0	71	0	71.00	
09:00 - 09:15	0	0	46	8	0	1	0	55	1	56.30	
09:15 - 09:30	0	1	46	9	2	0	0	58	2	58.40	
09:30 - 09:45	0	0	62	9	1	1	0	73	2	74.80	
09:45 - 10:00	0	0	44	5	1	0	0	50	1	50.50	
TOTAL	0	1	439	79	8	4	0	531	12	539.60	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	1	195	33	2	1	0	232	3	233.70
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	212	39	3	2	0	257	5	260.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	43	4	2	0	1	50	3	52.00	
15:45 - 16:00	0	0	39	5	0	0	0	44	0	44.00	
16:00 - 16:15	0	0	43	9	0	0	0	52	0	52.00	
16:15 - 16:30	0	0	37	8	0	0	0	45	0	45.00	
16:30 - 16:45	0	0	55	5	1	0	0	61	1	61.50	
16:45 - 17:00	0	0	56	12	1	0	0	69	1	69.50	
17:00 - 17:15	0	0	56	3	1	0	0	60	1	60.50	
17:15 - 17:30	0	0	35	3	0	0	0	38	0	38.00	
17:30 - 17:45	0	0	39	6	0	0	0	45	0	45.00	
17:45 - 18:00	0	0	47	2	0	0	0	49	0	49.00	
18:00 - 18:15	0	0	30	1	1	0	0	32	1	32.50	
18:15 - 18:30	0	0	38	1	0	0	0	39	0	39.00	
TOTAL	0	0	518	59	6	0	1	584	7	588.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	202	23	3	0	0	228	3	229.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	204	28	3	0	0	235	3	236.50

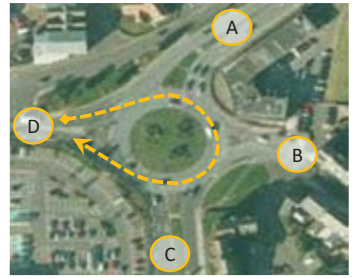
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.16: Guthrie Port (West) to Guthrie Port (West) U-Turn (D-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	3	2	0	0	0	5	0	5.00	
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0.00	
07:30 - 07:45	0	0	2	1	0	0	0	3	0	3.00	
07:45 - 08:00	0	0	8	1	0	0	0	9	0	9.00	
08:00 - 08:15	0	0	4	1	0	0	0	5	0	5.00	
08:15 - 08:30	0	0	9	1	1	0	0	11	1	11.50	
08:30 - 08:45	0	0	11	0	0	0	0	11	0	11.00	
08:45 - 09:00	0	0	11	2	0	0	0	13	0	13.00	
09:00 - 09:15	0	0	10	2	0	0	1	13	1	14.00	
09:15 - 09:30	0	0	10	0	0	0	0	10	0	10.00	
09:30 - 09:45	0	0	12	1	0	0	0	13	0	13.00	
09:45 - 10:00	0	0	8	0	0	0	0	8	0	8.00	
TOTAL	0	0	88	11	1	0	1	101	2	102.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 09:30		0	0	42	4	0	0	1	47	1	48.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	43	5	0	0	1	49	1	50.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	24	2	0	0	0	26	0	26.00	
15:45 - 16:00	0	0	14	1	0	0	0	15	0	15.00	
16:00 - 16:15	0	1	14	2	1	0	0	18	1	17.90	
16:15 - 16:30	0	0	9	0	0	0	1	10	1	11.00	
16:30 - 16:45	0	0	16	0	0	0	0	16	0	16.00	
16:45 - 17:00	0	0	21	1	0	0	0	22	0	22.00	
17:00 - 17:15	0	0	15	2	0	0	0	17	0	17.00	
17:15 - 17:30	0	0	11	0	0	0	0	11	0	11.00	
17:30 - 17:45	0	0	12	1	0	0	0	13	0	13.00	
17:45 - 18:00	0	0	7	3	0	0	0	10	0	10.00	
18:00 - 18:15	0	0	17	1	0	0	0	18	0	18.00	
18:15 - 18:30	0	0	12	0	0	0	0	12	0	12.00	
TOTAL	0	1	172	13	1	0	1	188	2	188.90	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	63	3	0	0	0	66	0	66.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	61	3	0	0	1	65	1	66.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction
 Movement 2.1: A92 (Burnside Drive) (South) to Hume Street Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	8	1	0	0	0	9	0	9.00	
07:15 - 07:30	0	0	16	4	0	0	0	20	0	20.00	
07:30 - 07:45	0	0	25	6	2	0	0	33	2	34.00	
07:45 - 08:00	0	0	15	8	0	0	0	23	0	23.00	
08:00 - 08:15	0	0	22	13	1	2	0	38	3	41.10	
08:15 - 08:30	0	0	14	2	0	0	0	16	0	16.00	
08:30 - 08:45	0	0	20	6	3	0	0	29	3	30.50	
08:45 - 09:00	0	0	26	5	0	0	0	31	0	31.00	
09:00 - 09:15	0	0	33	11	0	0	1	45	1	46.00	
09:15 - 09:30	0	0	48	8	0	0	0	56	0	56.00	
09:30 - 09:45	0	0	28	6	3	0	0	37	3	38.50	
09:45 - 10:00	0	0	42	8	0	0	0	50	0	50.00	
TOTAL	0	0	297	78	9	2	1	387	12	395.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	135	30	3	0	1	169	4	171.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	135	30	3	0	1	169	4	171.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	37	4	0	0	0	41	0	41.00	
15:45 - 16:00	0	0	35	6	1	0	0	42	1	42.50	
16:00 - 16:15	0	0	33	3	0	0	0	36	0	36.00	
16:15 - 16:30	0	0	31	12	0	0	1	44	1	45.00	
16:30 - 16:45	0	0	44	7	0	0	0	51	0	51.00	
16:45 - 17:00	0	0	41	5	0	0	0	46	0	46.00	
17:00 - 17:15	0	0	45	3	0	0	0	48	0	48.00	
17:15 - 17:30	0	0	33	4	0	0	0	37	0	37.00	
17:30 - 17:45	0	0	33	3	0	0	0	36	0	36.00	
17:45 - 18:00	0	0	42	1	0	0	0	43	0	43.00	
18:00 - 18:15	0	0	35	2	0	0	0	37	0	37.00	
18:15 - 18:30	0	0	18	1	0	0	0	19	0	19.00	
TOTAL	0	0	427	51	1	0	1	480	2	481.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	161	27	0	0	1	189	1	190.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	161	27	0	0	1	189	1	190.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction
 Movement 2.2: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (North) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	34	8	4	1	0	47	5	50.30	
07:15 - 07:30	0	0	48	11	4	1	1	65	6	69.30	
07:30 - 07:45	0	0	68	6	2	1	2	79	5	83.30	
07:45 - 08:00	0	0	71	13	1	3	0	88	4	92.40	
08:00 - 08:15	0	0	80	16	2	1	1	100	4	103.30	
08:15 - 08:30	0	0	64	9	2	2	0	77	4	80.60	
08:30 - 08:45	0	0	70	15	4	2	0	91	6	95.60	
08:45 - 09:00	0	0	65	23	2	3	2	95	7	101.90	
09:00 - 09:15	0	0	73	13	3	1	0	90	4	92.80	
09:15 - 09:30	1	0	69	19	3	0	2	94	5	96.70	
09:30 - 09:45	0	0	67	6	5	1	0	79	6	82.80	
09:45 - 10:00	0	0	79	8	3	1	3	94	7	99.80	
TOTAL	1	0	788	147	35	17	11	999	63	1048.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		1	0	274	61	13	5	4	358	22	374.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		1	0	274	61	13	5	4	358	22	374.20

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	127	15	1	3	0	146	4	150.40	
15:45 - 16:00	0	1	130	17	2	1	0	151	3	152.70	
16:00 - 16:15	0	0	131	13	0	0	1	145	1	146.00	
16:15 - 16:30	0	0	128	9	0	0	1	138	1	139.00	
16:30 - 16:45	0	0	137	24	1	1	0	163	2	164.80	
16:45 - 17:00	0	1	119	8	1	2	1	132	4	135.50	
17:00 - 17:15	0	0	140	11	3	1	1	156	5	159.80	
17:15 - 17:30	0	0	121	10	2	0	0	133	2	134.00	
17:30 - 17:45	0	0	129	6	2	1	0	138	3	140.30	
17:45 - 18:00	0	0	112	7	0	0	1	120	1	121.00	
18:00 - 18:15	0	0	117	9	1	1	0	128	2	129.80	
18:15 - 18:30	0	0	77	3	1	1	0	82	2	83.80	
TOTAL	0	2	1468	132	14	11	5	1632	30	1657.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	1	524	52	5	4	3	589	12	599.10
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	1	524	52	5	4	3	589	12	599.10

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction
 Movement 2.3: Hume Street to A92 (Burnside Drive) (North) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	5	4	0	0	0	9	0	9.00	
07:15 - 07:30	0	0	10	1	0	0	0	11	0	11.00	
07:30 - 07:45	0	0	11	3	0	0	0	14	0	14.00	
07:45 - 08:00	0	0	9	6	1	1	0	17	2	18.80	
08:00 - 08:15	0	0	13	6	1	0	0	20	1	20.50	
08:15 - 08:30	0	0	13	4	0	2	0	19	2	21.60	
08:30 - 08:45	0	0	19	6	1	0	0	26	1	26.50	
08:45 - 09:00	0	0	10	3	0	0	0	13	0	13.00	
09:00 - 09:15	0	0	14	5	0	0	0	19	0	19.00	
09:15 - 09:30	0	0	27	3	0	0	0	30	0	30.00	
09:30 - 09:45	0	0	27	3	0	0	0	30	0	30.00	
09:45 - 10:00	0	0	16	8	0	0	0	24	0	24.00	
TOTAL	0	0	174	52	3	3	0	232	6	237.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	78	14	0	0	0	92	0	92.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	78	14	0	0	0	92	0	92.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	32	6	1	0	0	39	1	39.50	
15:45 - 16:00	0	0	23	3	0	0	0	26	0	26.00	
16:00 - 16:15	0	0	37	6	0	0	0	43	0	43.00	
16:15 - 16:30	0	0	29	2	0	0	0	31	0	31.00	
16:30 - 16:45	0	1	47	7	0	0	0	55	0	54.40	
16:45 - 17:00	0	0	47	5	0	0	0	52	0	52.00	
17:00 - 17:15	0	0	39	4	0	0	0	43	0	43.00	
17:15 - 17:30	0	0	35	2	0	0	0	37	0	37.00	
17:30 - 17:45	0	0	26	3	0	0	0	29	0	29.00	
17:45 - 18:00	0	0	38	3	0	0	0	41	0	41.00	
18:00 - 18:15	0	0	42	2	0	0	0	44	0	44.00	
18:15 - 18:30	0	0	34	2	0	0	0	36	0	36.00	
TOTAL	0	1	429	45	1	0	0	476	1	475.90	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	1	162	18	0	0	0	181	0	180.40
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	1	162	18	0	0	0	181	0	180.40

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction
 Movement 2.4: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (South) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	46	5	2	0	1	54	3	56.00	
07:15 - 07:30	0	0	64	3	2	2	0	71	4	74.60	
07:30 - 07:45	0	0	80	11	2	1	3	97	6	102.30	
07:45 - 08:00	0	0	91	11	2	3	1	108	6	113.90	
08:00 - 08:15	0	0	84	18	7	1	2	112	10	118.80	
08:15 - 08:30	0	0	97	18	0	2	0	117	2	119.60	
08:30 - 08:45	0	0	95	14	3	0	2	114	5	117.50	
08:45 - 09:00	0	0	139	26	1	3	1	170	5	175.40	
09:00 - 09:15	0	0	116	21	0	3	3	143	6	149.90	
09:15 - 09:30	0	1	107	14	4	2	2	130	8	136.00	
09:30 - 09:45	0	0	111	28	1	3	1	144	5	149.40	
09:45 - 10:00	1	2	116	14	3	2	1	139	6	142.10	
TOTAL	1	3	1146	183	27	22	17	1399	66	1455.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	1	473	89	6	11	7	587	24	610.70
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	473	89	6	11	7	587	24	610.70

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	1	0	117	17	1	0	1	137	2	137.70	
15:45 - 16:00	0	0	127	17	2	2	1	149	5	153.60	
16:00 - 16:15	0	0	128	21	0	0	1	150	1	151.00	
16:15 - 16:30	0	0	133	22	0	0	3	158	3	161.00	
16:30 - 16:45	0	0	143	25	1	1	1	171	3	173.80	
16:45 - 17:00	0	0	140	22	0	1	1	164	2	166.30	
17:00 - 17:15	0	0	168	15	2	0	1	186	3	188.00	
17:15 - 17:30	0	0	138	7	0	1	2	148	3	151.30	
17:30 - 17:45	0	0	135	4	0	0	0	139	0	139.00	
17:45 - 18:00	0	0	134	4	0	0	2	140	2	142.00	
18:00 - 18:15	0	0	86	3	0	0	2	91	2	93.00	
18:15 - 18:30	0	0	110	2	0	1	2	115	3	118.30	
TOTAL	1	0	1559	159	6	6	17	1748	29	1775.00	

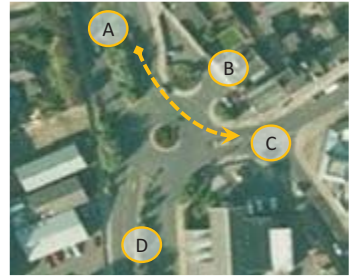
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	584	84	3	2	6	679	11	689.10
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	584	84	3	2	6	679	11	689.10

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.2: A92 (Burnside Drive) (North) to Lordburn Left Turn (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	5	1	2	0	0	8	2	9.00	
07:15 - 07:30	0	0	6	1	1	1	0	9	2	10.80	
07:30 - 07:45	0	0	12	1	0	0	1	14	1	15.00	
07:45 - 08:00	0	0	17	2	2	0	0	21	2	22.00	
08:00 - 08:15	0	0	21	5	1	0	1	28	2	29.50	
08:15 - 08:30	0	0	38	5	0	0	0	43	0	43.00	
08:30 - 08:45	0	0	46	4	1	0	0	51	1	51.50	
08:45 - 09:00	0	0	43	8	0	0	1	52	1	53.00	
09:00 - 09:15	0	0	49	6	0	0	0	55	0	55.00	
09:15 - 09:30	0	0	46	5	1	0	1	53	2	54.50	
09:30 - 09:45	0	0	55	8	1	0	0	64	1	64.50	
09:45 - 10:00	0	0	47	1	2	1	1	52	4	55.30	
TOTAL	0	0	385	47	11	2	5	450	18	463.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	193	27	2	0	2	224	4	227.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	193	27	2	0	2	224	4	227.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	60	5	1	0	0	66	1	66.50	
15:45 - 16:00	0	0	46	5	0	0	0	51	0	51.00	
16:00 - 16:15	0	0	50	6	0	0	0	56	0	56.00	
16:15 - 16:30	0	0	43	3	0	0	1	47	1	48.00	
16:30 - 16:45	1	0	50	0	0	0	0	51	0	50.20	
16:45 - 17:00	0	0	37	7	1	0	1	46	2	47.50	
17:00 - 17:15	0	0	59	6	0	0	0	65	0	65.00	
17:15 - 17:30	0	0	33	4	0	0	1	38	1	39.00	
17:30 - 17:45	0	0	36	3	0	0	0	39	0	39.00	
17:45 - 18:00	0	0	33	3	0	0	1	37	1	38.00	
18:00 - 18:15	0	0	31	2	0	0	0	33	0	33.00	
18:15 - 18:30	0	0	37	2	0	0	0	39	0	39.00	
TOTAL	1	0	515	46	2	0	4	588	6	572.20	

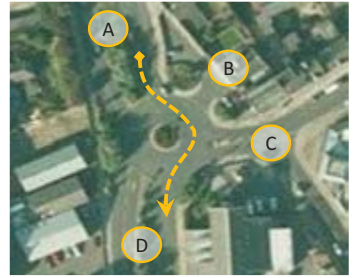
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		1	0	189	16	1	0	2	209	3	210.70
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		1	0	189	16	1	0	2	209	3	210.70

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.3: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (South) Ahead (A-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	32	13	1	0	1	47	2	48.50	
07:15 - 07:30	0	0	50	10	1	1	0	62	2	63.80	
07:30 - 07:45	0	0	52	9	2	0	2	65	4	68.00	
07:45 - 08:00	0	0	68	7	0	3	1	79	4	83.90	
08:00 - 08:15	0	0	63	10	6	1	1	81	8	86.30	
08:15 - 08:30	0	0	55	11	0	1	0	67	1	68.30	
08:30 - 08:45	0	0	44	10	0	0	2	56	2	58.00	
08:45 - 09:00	0	0	90	14	0	3	0	107	3	110.90	
09:00 - 09:15	0	0	62	10	0	3	3	78	6	84.90	
09:15 - 09:30	0	1	49	8	3	2	1	64	6	68.50	
09:30 - 09:45	0	0	55	17	0	3	1	76	4	80.90	
09:45 - 10:00	1	2	56	7	2	1	0	69	3	69.30	
TOTAL	1	3	676	126	15	18	12	851	45	891.30	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	1	256	49	3	11	5	325	19	345.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45	0	1	256	49	3	11	5	325	19	345.20	

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	1	0	53	10	0	0	1	65	1	65.20	
15:45 - 16:00	0	0	72	11	1	2	1	87	4	91.10	
16:00 - 16:15	0	0	78	18	0	0	1	97	1	98.00	
16:15 - 16:30	0	0	86	16	0	0	2	104	2	106.00	
16:30 - 16:45	0	0	81	23	1	1	1	107	3	109.80	
16:45 - 17:00	0	0	107	14	0	1	0	122	1	123.30	
17:00 - 17:15	0	0	93	9	1	0	1	104	2	105.50	
17:15 - 17:30	0	0	95	8	0	1	1	105	2	107.30	
17:30 - 17:45	0	0	89	7	0	0	0	96	0	96.00	
17:45 - 18:00	0	0	85	9	0	0	1	95	1	96.00	
18:00 - 18:15	0	0	50	3	1	0	2	56	3	58.50	
18:15 - 18:30	0	0	64	4	1	0	1	70	2	71.50	
TOTAL	1	0	953	132	5	5	12	1108	22	1128.20	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	367	62	2	2	4	437	8	444.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15	0	0	367	62	2	2	4	437	8	444.60	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.4: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (North) U-Turn (A-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	3	2	0	0	0	5	0	5.00	
07:30 - 07:45	0	0	8	5	0	1	0	14	1	15.30	
07:45 - 08:00	0	0	7	3	0	0	0	10	0	10.00	
08:00 - 08:15	0	0	2	3	0	1	0	6	1	7.30	
08:15 - 08:30	0	0	4	1	0	0	0	5	0	5.00	
08:30 - 08:45	0	0	5	4	0	0	0	9	0	9.00	
08:45 - 09:00	0	0	7	4	0	0	0	11	0	11.00	
09:00 - 09:15	0	0	10	4	0	0	0	14	0	14.00	
09:15 - 09:30	0	0	8	1	0	0	0	9	0	9.00	
09:30 - 09:45	0	0	2	6	0	0	0	8	0	8.00	
09:45 - 10:00	0	0	9	3	0	0	0	12	0	12.00	
TOTAL	0	0	65	36	0	2	0	103	2	105.60	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	27	15	0	0	0	42	0	42.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	27	15	0	0	0	42	0	42.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	6	1	0	0	0	7	0	7.00	
15:45 - 16:00	0	0	8	2	1	0	0	11	1	11.50	
16:00 - 16:15	0	0	1	0	0	0	0	1	0	1.00	
16:15 - 16:30	0	0	2	5	0	0	0	7	0	7.00	
16:30 - 16:45	0	0	8	3	0	0	0	11	0	11.00	
16:45 - 17:00	0	0	3	2	0	0	0	5	0	5.00	
17:00 - 17:15	0	0	12	1	0	0	0	13	0	13.00	
17:15 - 17:30	0	0	2	1	0	0	0	3	0	3.00	
17:30 - 17:45	0	0	6	0	0	0	0	6	0	6.00	
17:45 - 18:00	0	0	9	0	0	0	0	9	0	9.00	
18:00 - 18:15	0	0	3	0	0	0	0	3	0	3.00	
18:15 - 18:30	0	0	3	1	0	0	0	4	0	4.00	
TOTAL	0	0	63	16	1	0	0	80	1	80.50	

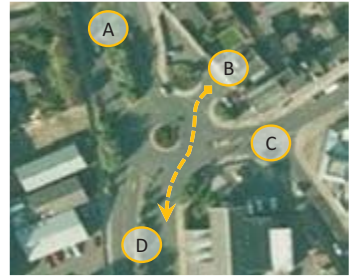
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	25	11	0	0	0	36	0	36.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	25	11	0	0	0	36	0	36.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.6: Maule Street to A92 (Burnside Drive) (South) Left Turn (B-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	1	0	0	0	0	1	0	1.00	
07:30 - 07:45	0	0	0	1	0	0	0	1	0	1.00	
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0.00	
08:00 - 08:15	0	0	0	0	0	0	1	1	1	2.00	
08:15 - 08:30	0	0	0	0	0	0	1	1	1	2.00	
08:30 - 08:45	0	0	0	0	0	0	1	1	1	2.00	
08:45 - 09:00	0	0	0	0	0	0	1	1	1	2.00	
09:00 - 09:15	0	0	0	0	0	0	0	0	0	0.00	
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0.00	
09:30 - 09:45	0	0	0	0	0	0	0	0	0	0.00	
09:45 - 10:00	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	1	1	0	0	4	6	4	10.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	0	0	0	0	1	1	1	2.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	0	0	0	0	1	1	1	2.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	0	0	0	0	0	0	0	0.00	
15:45 - 16:00	0	0	1	0	0	0	0	1	0	1.00	
16:00 - 16:15	0	0	0	0	0	0	0	0	0	0.00	
16:15 - 16:30	0	0	1	0	0	0	0	1	0	1.00	
16:30 - 16:45	0	0	1	0	0	0	0	1	0	1.00	
16:45 - 17:00	0	0	0	0	0	0	0	0	0	0.00	
17:00 - 17:15	0	0	0	0	0	0	0	0	0	0.00	
17:15 - 17:30	0	0	1	0	0	0	0	1	0	1.00	
17:30 - 17:45	0	0	0	0	0	0	0	0	0	0.00	
17:45 - 18:00	0	0	0	0	0	0	0	0	0	0.00	
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0.00	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	4	0	0	0	0	4	0	4.00	

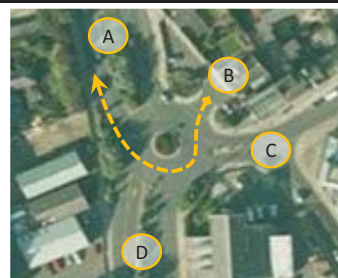
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	2	0	0	0	0	2	0	2.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	2	0	0	0	0	2	0	2.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.7: Maule Street to A92 (Burnside Drive) (North) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	1	0	0	0	0	1	0	1.00	
07:30 - 07:45	0	0	0	0	0	0	0	0	0	0.00	
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0.00	
08:00 - 08:15	0	0	1	0	0	0	0	1	0	1.00	
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0.00	
08:30 - 08:45	0	0	0	0	0	0	0	0	0	0.00	
08:45 - 09:00	0	0	0	0	0	0	0	0	0	0.00	
09:00 - 09:15	0	0	0	0	0	0	0	0	0	0.00	
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0.00	
09:30 - 09:45	0	0	0	0	0	0	0	0	0	0.00	
09:45 - 10:00	0	0	2	0	0	0	0	2	0	2.00	
TOTAL	0	0	4	0	0	0	0	4	0	4.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	0	0	0	0	0	0	0	0.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	0	0	0	0	0	0	0	0.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	0	0	0	0	0	0	0	0.00	
15:45 - 16:00	0	0	0	0	0	0	0	0	0	0.00	
16:00 - 16:15	0	0	0	0	0	0	0	0	0	0.00	
16:15 - 16:30	0	0	0	0	0	0	0	0	0	0.00	
16:30 - 16:45	0	0	0	0	0	0	0	0	0	0.00	
16:45 - 17:00	0	0	2	0	0	0	0	2	0	2.00	
17:00 - 17:15	0	0	0	0	0	0	0	0	0	0.00	
17:15 - 17:30	0	0	0	0	0	0	0	0	0	0.00	
17:30 - 17:45	0	0	0	0	0	0	0	0	0	0.00	
17:45 - 18:00	0	0	0	0	0	0	0	0	0	0.00	
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0.00	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	2	0	0	0	0	2	0	2.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	2	0	0	0	0	2	0	2.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	2	0	0	0	0	2	0	2.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.9: Lordburn to A92 (Burnside Drive) (South) Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	2	0	0	0	0	2	0	2.00	
07:15 - 07:30	0	0	0	1	0	0	1	2	1	3.00	
07:30 - 07:45	0	0	2	0	0	0	1	3	1	4.00	
07:45 - 08:00	0	0	3	0	0	0	1	4	1	5.00	
08:00 - 08:15	0	0	2	0	1	0	0	3	1	3.50	
08:15 - 08:30	0	0	2	1	0	0	1	4	1	5.00	
08:30 - 08:45	0	0	2	0	0	0	1	3	1	4.00	
08:45 - 09:00	0	0	7	1	0	0	2	10	2	12.00	
09:00 - 09:15	0	1	4	0	1	0	1	7	2	7.90	
09:15 - 09:30	0	0	5	3	0	0	0	8	0	8.00	
09:30 - 09:45	0	1	5	1	0	0	1	8	1	8.40	
09:45 - 10:00	0	0	11	1	1	0	0	13	1	13.50	
TOTAL	0	2	45	8	3	0	9	67	12	76.30	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	2	21	5	1	0	4	33	5	36.30
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	2	21	5	1	0	4	33	5	36.30

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	17	2	0	0	1	20	1	21.00	
15:45 - 16:00	0	0	13	1	0	0	0	14	0	14.00	
16:00 - 16:15	1	0	15	0	0	0	1	17	1	17.20	
16:15 - 16:30	0	0	10	2	0	0	0	12	0	12.00	
16:30 - 16:45	0	0	19	1	0	0	2	22	2	24.00	
16:45 - 17:00	0	0	13	0	0	0	1	14	1	15.00	
17:00 - 17:15	0	0	10	1	0	0	1	12	1	13.00	
17:15 - 17:30	0	0	12	2	0	0	1	15	1	16.00	
17:30 - 17:45	0	0	10	2	0	0	1	13	1	14.00	
17:45 - 18:00	0	0	8	1	0	0	0	9	0	9.00	
18:00 - 18:15	0	0	4	2	0	0	2	8	2	10.00	
18:15 - 18:30	0	0	8	0	0	0	0	8	0	8.00	
TOTAL	1	0	139	14	0	0	10	164	10	173.20	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	52	4	0	0	4	60	4	64.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	52	4	0	0	4	60	4	64.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.10: Lordburn to A92 (Burnside Drive) (North) Right Turn (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	11	1	2	0	0	14	2	15.00	
07:15 - 07:30	0	0	4	1	1	0	0	6	1	6.50	
07:30 - 07:45	0	0	9	5	0	0	0	14	0	14.00	
07:45 - 08:00	0	0	15	3	1	0	0	19	1	19.50	
08:00 - 08:15	0	0	12	6	0	0	0	18	0	18.00	
08:15 - 08:30	0	0	15	1	0	0	0	16	0	16.00	
08:30 - 08:45	0	0	18	4	0	0	0	22	0	22.00	
08:45 - 09:00	0	0	22	6	0	1	0	29	1	30.30	
09:00 - 09:15	0	0	24	3	0	0	0	27	0	27.00	
09:15 - 09:30	1	0	33	3	0	0	0	37	0	36.20	
09:30 - 09:45	0	0	27	0	0	0	0	27	0	27.00	
09:45 - 10:00	0	0	52	4	0	1	0	57	1	58.30	
TOTAL	1	0	242	37	4	2	0	286	6	289.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		1	0	106	12	0	1	0	120	1	120.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		1	0	106	12	0	1	0	120	1	120.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	54	4	0	0	0	58	0	58.00	
15:45 - 16:00	0	0	54	9	1	0	0	64	1	64.50	
16:00 - 16:15	0	0	45	6	0	0	0	51	0	51.00	
16:15 - 16:30	0	0	48	6	0	0	0	54	0	54.00	
16:30 - 16:45	0	0	65	7	0	0	0	72	0	72.00	
16:45 - 17:00	0	0	34	3	0	1	0	38	1	39.30	
17:00 - 17:15	0	0	80	5	0	0	0	85	0	85.00	
17:15 - 17:30	0	0	49	7	0	0	0	56	0	56.00	
17:30 - 17:45	0	0	56	2	1	0	0	59	1	59.50	
17:45 - 18:00	0	0	40	3	1	0	0	44	1	44.50	
18:00 - 18:15	0	0	42	7	0	0	0	49	0	49.00	
18:15 - 18:30	0	0	26	1	0	0	0	27	0	27.00	
TOTAL	0	0	593	60	3	1	0	657	4	659.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	227	21	0	1	0	249	1	250.30
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	227	21	0	1	0	249	1	250.30

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.11: Lordburn to Maule Street Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0.00	
07:30 - 07:45	0	0	0	0	0	0	0	0	0	0.00	
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0.00	
08:00 - 08:15	0	0	0	0	0	0	0	0	0	0.00	
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0.00	
08:30 - 08:45	0	0	1	0	0	0	0	1	0	1.00	
08:45 - 09:00	0	0	1	0	0	0	0	1	0	1.00	
09:00 - 09:15	0	0	0	0	0	0	0	0	0	0.00	
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0.00	
09:30 - 09:45	0	0	0	0	0	0	0	0	0	0.00	
09:45 - 10:00	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	2	0	0	0	0	2	0	2.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	1	0	0	0	0	1	0	1.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	1	0	0	0	0	1	0	1.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	0	0	0	0	0	0	0	0.00	
15:45 - 16:00	0	0	0	0	0	0	0	0	0	0.00	
16:00 - 16:15	0	0	1	0	0	0	0	1	0	1.00	
16:15 - 16:30	0	0	0	0	0	0	0	0	0	0.00	
16:30 - 16:45	0	0	1	0	0	0	0	1	0	1.00	
16:45 - 17:00	0	0	0	0	0	0	0	0	0	0.00	
17:00 - 17:15	0	0	0	0	0	0	0	0	0	0.00	
17:15 - 17:30	0	0	0	0	0	0	0	0	0	0.00	
17:30 - 17:45	0	0	0	0	0	0	0	0	0	0.00	
17:45 - 18:00	0	0	0	0	0	0	0	0	0	0.00	
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0.00	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	2	0	0	0	0	2	0	2.00	

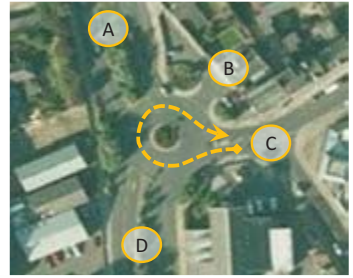
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	1	0	0	0	0	1	0	1.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	1	0	0	0	0	1	0	1.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.12: Lordburn to Lordburn U-Turn (C-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0	0.00
07:30 - 07:45	0	0	0	0	0	0	0	0	0	0	0.00
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0	0.00
08:00 - 08:15	0	0	0	0	0	0	0	0	0	0	0.00
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0	0.00
08:30 - 08:45	0	0	0	0	0	0	0	0	0	0	0.00
08:45 - 09:00	0	0	0	0	0	0	0	0	0	0	0.00
09:00 - 09:15	0	0	0	0	0	0	0	0	0	0	0.00
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0	0.00
09:30 - 09:45	0	0	0	0	0	0	0	0	0	0	0.00
09:45 - 10:00	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL	0	0	0	0	0	0	0	0	0	0	0.00

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	0	0	0	0	0	0	0	0.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	0	0	0	0	0	0	0	0.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	0	0	0	0	0	0	0	0	0.00
15:45 - 16:00	0	0	0	0	0	0	0	0	0	0	0.00
16:00 - 16:15	0	0	0	0	0	0	0	0	0	0	0.00
16:15 - 16:30	0	0	0	1	0	0	0	1	0	1.00	
16:30 - 16:45	0	0	0	0	0	0	0	0	0	0.00	
16:45 - 17:00	0	0	0	0	0	0	0	0	0	0.00	
17:00 - 17:15	0	0	0	0	0	0	0	0	0	0.00	
17:15 - 17:30	0	0	1	0	0	0	0	1	0	1.00	
17:30 - 17:45	0	0	0	0	0	0	0	0	0	0.00	
17:45 - 18:00	0	0	1	0	0	0	0	1	0	1.00	
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0.00	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	2	1	0	0	0	3	0	3.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	0	1	0	0	0	1	0	1.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	0	1	0	0	0	1	0	1.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.13: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (North) Ahead (D-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	24	6	2	1	0	33	3	35.30	
07:15 - 07:30	0	0	60	15	4	0	1	80	5	83.00	
07:30 - 07:45	0	0	63	6	2	2	2	75	6	80.60	
07:45 - 08:00	0	0	74	14	0	3	0	91	3	94.90	
08:00 - 08:15	0	0	84	19	3	2	1	109	6	114.10	
08:15 - 08:30	0	0	59	9	3	2	0	73	5	77.10	
08:30 - 08:45	0	0	75	12	4	2	0	93	6	97.60	
08:45 - 09:00	0	0	60	17	2	2	2	83	6	88.60	
09:00 - 09:15	0	0	77	16	2	1	1	97	4	100.30	
09:15 - 09:30	0	0	74	20	3	0	2	99	5	102.50	
09:30 - 09:45	0	0	70	7	6	2	0	85	8	90.60	
09:45 - 10:00	0	0	60	8	1	1	3	73	5	77.80	
TOTAL	0	0	780	149	32	18	12	991	62	1042.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	281	60	13	5	5	364	23	382.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	281	60	13	5	5	364	23	382.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	104	13	4	0	3	124	7	129.00	
15:45 - 16:00	0	0	101	10	1	1	0	113	2	114.80	
16:00 - 16:15	0	0	119	9	0	0	1	129	1	130.00	
16:15 - 16:30	0	0	112	10	0	0	2	124	2	126.00	
16:30 - 16:45	0	0	109	21	1	1	0	132	2	133.80	
16:45 - 17:00	0	1	118	6	1	1	1	128	3	130.20	
17:00 - 17:15	0	0	99	11	2	1	1	114	4	117.30	
17:15 - 17:30	0	0	101	9	1	0	1	112	2	113.50	
17:30 - 17:45	0	0	101	8	1	1	0	111	2	112.80	
17:45 - 18:00	0	0	93	10	0	0	2	105	2	107.00	
18:00 - 18:15	0	0	107	6	1	0	1	115	2	116.50	
18:15 - 18:30	0	0	66	1	1	1	0	69	2	70.80	
TOTAL	0	1	1230	114	13	6	12	1376	31	1401.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	1	438	48	4	3	4	498	11	507.30
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	1	438	48	4	3	4	498	11	507.30

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.14: A92 (Burnside Drive) (South) to Maule Street Right Turn (D-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	1	0	0	0	0	1	0	1.00	
07:30 - 07:45	0	0	1	0	0	0	0	1	0	1.00	
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0.00	
08:00 - 08:15	0	0	1	0	0	0	0	1	0	1.00	
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0.00	
08:30 - 08:45	0	0	0	0	0	0	0	0	0	0.00	
08:45 - 09:00	0	0	0	0	0	0	0	0	0	0.00	
09:00 - 09:15	0	0	0	0	0	0	0	0	0	0.00	
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0.00	
09:30 - 09:45	0	0	1	0	0	0	0	1	0	1.00	
09:45 - 10:00	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	4	0	0	0	0	4	0	4.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	1	0	0	0	0	1	0	1.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	1	0	0	0	0	1	0	1.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	1	0	0	0	0	1	0	1.00	
15:45 - 16:00	0	0	0	0	0	0	0	0	0	0.00	
16:00 - 16:15	0	0	0	0	0	0	0	0	0	0.00	
16:15 - 16:30	0	0	1	0	0	0	0	1	0	1.00	
16:30 - 16:45	0	0	1	0	0	0	0	1	0	1.00	
16:45 - 17:00	0	0	0	0	0	0	0	0	0	0.00	
17:00 - 17:15	0	0	0	0	0	0	0	0	0	0.00	
17:15 - 17:30	0	0	0	0	0	0	0	0	0	0.00	
17:30 - 17:45	0	0	0	0	0	0	0	0	0	0.00	
17:45 - 18:00	0	0	0	0	0	0	0	0	0	0.00	
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0.00	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	3	0	0	0	0	3	0	3.00	

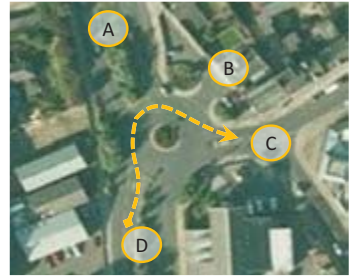
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	2	0	0	0	0	2	0	2.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	2	0	0	0	0	2	0	2.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.15: A92 (Burnside Drive) (South) to Lordburn Right Turn (D-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	3	2	0	1	0	6	1	7.30	
07:15 - 07:30	0	0	10	2	1	0	3	16	4	19.50	
07:30 - 07:45	0	0	15	1	1	0	0	17	1	17.50	
07:45 - 08:00	0	0	13	2	0	0	1	16	1	17.00	
08:00 - 08:15	0	0	9	3	2	0	3	17	5	21.00	
08:15 - 08:30	1	0	24	0	0	1	1	27	2	28.50	
08:30 - 08:45	0	0	48	1	0	0	2	51	2	53.00	
08:45 - 09:00	0	0	62	2	1	0	0	65	1	65.50	
09:00 - 09:15	1	0	61	4	0	0	1	67	1	67.20	
09:15 - 09:30	0	0	35	7	0	0	0	42	0	42.00	
09:30 - 09:45	0	1	43	6	1	0	1	52	2	52.90	
09:45 - 10:00	1	0	42	4	1	0	1	49	2	49.70	
TOTAL	3	1	365	34	7	2	13	425	22	441.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		1	1	201	19	2	0	2	226	4	227.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		1	1	201	19	2	0	2	226	4	227.60

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	50	3	0	0	0	53	0	53.00	
15:45 - 16:00	0	0	51	2	0	0	0	53	0	53.00	
16:00 - 16:15	0	0	63	3	0	0	2	68	2	70.00	
16:15 - 16:30	0	0	46	7	0	0	0	53	0	53.00	
16:30 - 16:45	0	0	39	3	0	0	1	43	1	44.00	
16:45 - 17:00	0	0	36	3	0	0	1	40	1	41.00	
17:00 - 17:15	0	0	40	2	0	0	1	43	1	44.00	
17:15 - 17:30	0	0	42	4	0	0	0	46	0	46.00	
17:30 - 17:45	0	0	43	0	0	0	1	44	1	45.00	
17:45 - 18:00	0	0	30	1	0	0	1	32	1	33.00	
18:00 - 18:15	0	0	27	3	0	0	1	31	1	32.00	
18:15 - 18:30	0	0	33	0	1	0	1	35	2	36.50	
TOTAL	0	0	500	31	1	0	9	541	10	550.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	161	15	0	0	3	179	3	182.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	161	15	0	0	3	179	3	182.00

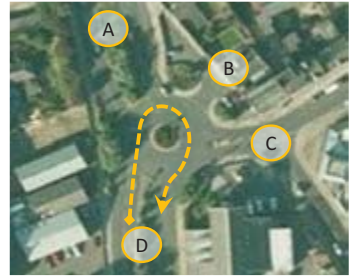
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout

Movement 3.16: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (South) U-Turn (D-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	1	0	0	0	0	1	0	1.00	
07:30 - 07:45	0	0	1	0	0	0	0	1	0	1.00	
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0.00	
08:00 - 08:15	0	0	0	0	0	0	0	0	0	0.00	
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0.00	
08:30 - 08:45	0	0	0	0	0	0	0	0	0	0.00	
08:45 - 09:00	0	0	0	0	0	0	0	0	0	0.00	
09:00 - 09:15	0	0	0	1	0	0	0	1	0	1.00	
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0.00	
09:30 - 09:45	0	0	0	0	0	0	0	0	0	0.00	
09:45 - 10:00	0	0	1	0	0	0	0	1	0	1.00	
TOTAL	0	0	3	1	0	0	0	4	0	4.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	0	1	0	0	0	1	0	1.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	0	1	0	0	0	1	0	1.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	2	0	0	0	0	2	0	2.00	
15:45 - 16:00	0	0	1	0	0	0	0	1	0	1.00	
16:00 - 16:15	0	0	0	0	0	0	0	0	0	0.00	
16:15 - 16:30	0	0	0	0	0	0	0	0	0	0.00	
16:30 - 16:45	0	0	0	0	0	0	0	0	0	0.00	
16:45 - 17:00	0	0	0	0	0	0	0	0	0	0.00	
17:00 - 17:15	0	0	1	0	0	0	0	1	0	1.00	
17:15 - 17:30	0	0	0	0	0	0	0	0	0	0.00	
17:30 - 17:45	0	0	0	1	0	0	0	1	0	1.00	
17:45 - 18:00	0	0	0	0	0	0	0	0	0	0.00	
18:00 - 18:15	0	0	1	0	0	0	0	1	0	1.00	
18:15 - 18:30	0	0	1	0	0	0	0	1	0	1.00	
TOTAL	0	0	6	1	0	0	0	7	0	7.00	

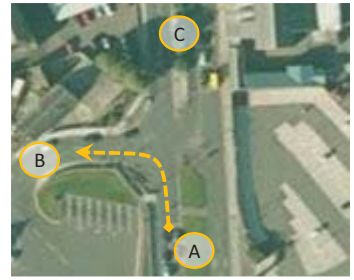
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	1	0	0	0	0	1	0	1.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	1	0	0	0	0	1	0	1.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals
 Movement 4.1: A92 (Burnside Drive) (South) to Catherine Street Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	2	1	0	0	0	3	0	3.00	
07:15 - 07:30	0	0	7	0	0	0	1	8	1	9.00	
07:30 - 07:45	0	0	5	1	0	0	1	7	1	8.00	
07:45 - 08:00	0	0	5	0	0	0	0	5	0	5.00	
08:00 - 08:15	0	0	6	0	0	0	0	6	0	6.00	
08:15 - 08:30	0	0	11	1	0	0	1	13	1	14.00	
08:30 - 08:45	0	0	17	0	0	0	0	17	0	17.00	
08:45 - 09:00	0	1	18	0	1	0	1	21	2	21.90	
09:00 - 09:15	0	0	15	2	1	0	0	18	1	18.50	
09:15 - 09:30	0	0	12	2	0	0	1	15	1	16.00	
09:30 - 09:45	0	0	14	2	2	0	0	18	2	19.00	
09:45 - 10:00	0	0	19	3	3	0	1	26	4	28.50	
TOTAL	0	1	131	12	7	0	6	157	13	165.90	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	1	59	6	4	0	2	72	6	75.40
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	59	6	4	0	2	72	6	75.40

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	14	3	0	0	0	17	0	17.00	
15:45 - 16:00	0	0	21	4	0	0	1	26	1	27.00	
16:00 - 16:15	0	0	25	3	0	0	0	28	0	28.00	
16:15 - 16:30	0	0	15	1	0	0	2	18	2	20.00	
16:30 - 16:45	0	0	20	0	0	0	0	20	0	20.00	
16:45 - 17:00	0	0	17	0	0	0	2	19	2	21.00	
17:00 - 17:15	0	0	25	4	0	0	2	31	2	33.00	
17:15 - 17:30	0	0	14	2	0	0	1	17	1	18.00	
17:30 - 17:45	0	0	20	2	1	0	0	23	1	23.50	
17:45 - 18:00	0	0	13	0	0	0	1	14	1	15.00	
18:00 - 18:15	0	0	18	0	0	0	0	18	0	18.00	
18:15 - 18:30	0	0	12	1	0	0	1	14	1	15.00	
TOTAL	0	0	214	20	1	0	10	245	11	255.50	

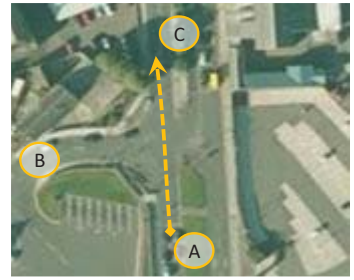
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:00 - 17:00		0	0	77	4	0	0	4	85	4	89.00
NETWOK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	77	5	0	0	6	88	6	94.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals
 Movement 4.2: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (North) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	20	6	1	2	0	29	3	32.10	
07:15 - 07:30	0	0	56	12	5	0	0	73	5	75.50	
07:30 - 07:45	0	0	64	6	3	2	0	75	5	79.10	
07:45 - 08:00	0	0	63	14	0	3	0	80	3	83.90	
08:00 - 08:15	0	0	75	16	5	2	0	98	7	103.10	
08:15 - 08:30	0	0	63	8	2	4	0	77	6	83.20	
08:30 - 08:45	0	0	69	11	4	1	0	85	5	88.30	
08:45 - 09:00	0	0	62	16	3	2	0	83	5	87.10	
09:00 - 09:15	0	0	82	11	2	1	0	96	3	98.30	
09:15 - 09:30	0	0	70	20	3	0	0	93	3	94.50	
09:30 - 09:45	0	0	73	8	7	1	0	89	8	93.80	
09:45 - 10:00	0	0	70	7	2	1	0	80	3	82.30	
TOTAL	0	0	767	135	37	19	0	958	56	1001.20	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	287	55	15	4	0	361	19	373.70
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	287	55	15	4	0	361	19	373.70

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	116	11	1	3	0	131	4	135.40	
15:45 - 16:00	0	0	111	12	0	1	0	124	1	125.30	
16:00 - 16:15	0	0	98	8	0	0	0	106	0	106.00	
16:15 - 16:30	0	0	103	12	0	0	0	115	0	115.00	
16:30 - 16:45	0	0	102	18	1	1	0	122	2	123.80	
16:45 - 17:00	0	1	105	7	1	1	0	115	2	116.20	
17:00 - 17:15	0	0	86	9	2	1	0	98	3	100.30	
17:15 - 17:30	0	0	93	6	1	0	0	100	1	100.50	
17:30 - 17:45	0	0	100	7	1	1	0	109	2	110.80	
17:45 - 18:00	0	0	87	6	0	0	0	93	0	93.00	
18:00 - 18:15	0	0	94	5	1	0	0	100	1	100.50	
18:15 - 18:30	0	0	62	0	2	1	0	65	3	67.30	
TOTAL	0	1	1157	101	10	9	0	1278	19	1294.10	

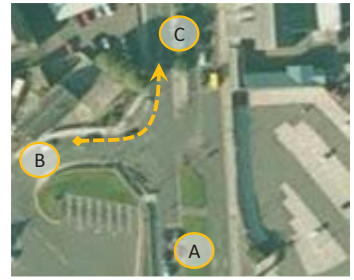
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:00 - 17:00		0	1	408	45	2	2	0	458	4	461.00
NETWOK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	1	396	46	4	3	0	450	7	455.30

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals
 Movement 4.3: Catherine Street to A92 (Burnside Drive) (North) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	5	2	1	0	0	8	1	8.50	
07:15 - 07:30	0	0	17	4	0	0	4	25	4	29.00	
07:30 - 07:45	0	0	18	1	0	0	2	21	2	23.00	
07:45 - 08:00	0	0	24	2	0	0	1	27	1	28.00	
08:00 - 08:15	0	0	19	4	0	0	4	27	4	31.00	
08:15 - 08:30	0	0	19	1	0	0	1	21	1	22.00	
08:30 - 08:45	0	0	50	2	1	0	2	55	3	57.50	
08:45 - 09:00	0	0	61	4	0	0	2	67	2	69.00	
09:00 - 09:15	1	0	54	6	0	0	2	63	2	64.20	
09:15 - 09:30	0	0	41	4	0	0	2	47	2	49.00	
09:30 - 09:45	0	0	36	4	2	0	1	43	3	45.00	
09:45 - 10:00	0	0	34	5	0	0	4	43	4	47.00	
TOTAL	1	0	378	39	4	0	25	447	29	473.20	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		1	0	192	18	2	0	7	220	9	227.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		1	0	192	18	2	0	7	220	9	227.20

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	41	7	0	0	0	48	0	48.00	
15:45 - 16:00	0	0	44	3	0	0	0	47	0	47.00	
16:00 - 16:15	0	0	79	2	0	0	3	84	3	87.00	
16:15 - 16:30	0	0	53	5	0	0	2	60	2	62.00	
16:30 - 16:45	0	0	46	2	0	0	1	49	1	50.00	
16:45 - 17:00	0	0	45	1	0	0	2	48	2	50.00	
17:00 - 17:15	0	0	51	3	0	0	2	56	2	58.00	
17:15 - 17:30	0	0	49	3	1	0	1	54	2	55.50	
17:30 - 17:45	0	0	41	1	0	0	1	43	1	44.00	
17:45 - 18:00	0	0	36	1	0	0	2	39	2	41.00	
18:00 - 18:15	0	0	42	2	0	0	2	46	2	48.00	
18:15 - 18:30	0	0	37	1	0	0	1	39	1	40.00	
TOTAL	0	0	564	31	1	0	17	613	18	630.50	

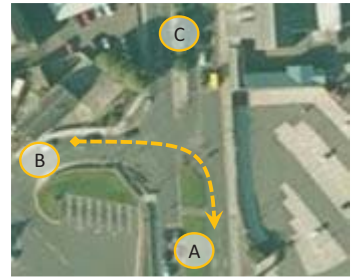
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:00 - 17:00		0	0	223	10	0	0	8	241	8	249.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	195	11	0	0	7	213	7	220.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals
 Movement 4.4: Catherine Street to A92 (Burnside Drive) (South) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	1	1	1	2.00	
07:15 - 07:30	0	0	2	0	0	0	1	3	1	4.00	
07:30 - 07:45	0	0	3	1	0	0	4	8	4	12.00	
07:45 - 08:00	0	0	1	1	0	0	1	3	1	4.00	
08:00 - 08:15	0	0	2	0	0	0	0	2	0	2.00	
08:15 - 08:30	0	0	0	2	0	0	0	2	0	2.00	
08:30 - 08:45	0	0	2	1	0	0	1	4	1	5.00	
08:45 - 09:00	0	0	5	0	0	0	0	5	0	5.00	
09:00 - 09:15	0	0	1	0	1	0	0	2	1	2.50	
09:15 - 09:30	0	0	0	0	0	0	1	1	1	2.00	
09:30 - 09:45	0	0	3	0	0	0	3	6	3	9.00	
09:45 - 10:00	0	0	1	1	0	0	0	2	0	2.00	
TOTAL	0	0	20	6	1	0	12	39	13	51.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	9	0	1	0	4	14	5	18.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	9	0	1	0	4	14	5	18.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	4	0	0	0	2	6	2	8.00	
15:45 - 16:00	0	0	2	1	0	0	0	3	0	3.00	
16:00 - 16:15	0	0	11	0	0	0	1	12	1	13.00	
16:15 - 16:30	0	0	4	1	0	0	1	6	1	7.00	
16:30 - 16:45	0	0	6	2	0	0	1	9	1	10.00	
16:45 - 17:00	0	0	3	1	0	0	0	4	0	4.00	
17:00 - 17:15	0	0	4	0	0	0	1	5	1	6.00	
17:15 - 17:30	0	0	6	2	0	0	3	11	3	14.00	
17:30 - 17:45	0	0	1	1	0	0	1	3	1	4.00	
17:45 - 18:00	0	0	6	0	0	0	0	6	0	6.00	
18:00 - 18:15	0	0	5	0	0	0	2	7	2	9.00	
18:15 - 18:30	0	0	1	0	0	0	1	2	1	3.00	
TOTAL	0	0	53	8	0	0	13	74	13	87.00	

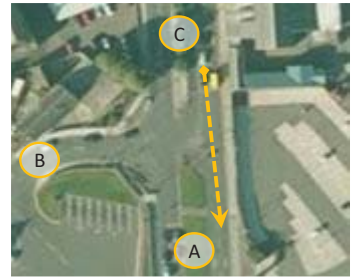
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:00 - 17:00		0	0	24	4	0	0	3	31	3	34.00
NETWOK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	17	4	0	0	3	24	3	27.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals
 Movement 4.5: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (South) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	31	11	1	0	0	43	1	43.50	
07:15 - 07:30	0	0	44	9	1	1	0	55	2	56.80	
07:30 - 07:45	0	0	53	10	2	0	0	65	2	66.00	
07:45 - 08:00	0	0	50	6	0	3	0	59	3	62.90	
08:00 - 08:15	0	0	56	9	5	0	0	70	5	72.50	
08:15 - 08:30	0	0	49	7	0	2	0	58	2	60.60	
08:30 - 08:45	0	0	33	10	0	0	0	43	0	43.00	
08:45 - 09:00	0	0	66	13	0	3	0	82	3	85.90	
09:00 - 09:15	0	0	43	10	1	2	1	57	4	61.10	
09:15 - 09:30	0	1	49	11	2	1	0	64	3	65.70	
09:30 - 09:45	0	0	46	16	0	2	0	64	2	66.60	
09:45 - 10:00	0	1	48	10	1	2	0	62	3	64.50	
TOTAL	0	2	568	122	13	16	1	722	30	749.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	1	204	50	3	8	1	267	12	279.30
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	204	50	3	8	1	267	12	279.30

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	55	7	0	0	0	62	0	62.00	
15:45 - 16:00	0	0	72	12	1	0	0	85	1	85.50	
16:00 - 16:15	0	0	64	16	0	0	0	80	0	80.00	
16:15 - 16:30	0	0	76	16	0	0	0	92	0	92.00	
16:30 - 16:45	0	0	72	21	0	0	0	93	0	93.00	
16:45 - 17:00	0	0	94	11	1	0	1	107	2	108.50	
17:00 - 17:15	0	0	93	10	1	0	0	104	1	104.50	
17:15 - 17:30	0	0	85	5	0	0	0	90	0	90.00	
17:30 - 17:45	0	0	88	8	0	0	0	96	0	96.00	
17:45 - 18:00	0	0	77	8	0	0	0	85	0	85.00	
18:00 - 18:15	0	0	45	5	0	0	0	50	0	50.00	
18:15 - 18:30	0	0	63	2	1	0	0	66	1	66.50	
TOTAL	0	0	884	121	4	0	1	1010	5	1013.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:00 - 17:00		0	0	306	64	1	0	1	372	2	373.50
NETWOK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	335	58	2	0	1	396	3	398.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

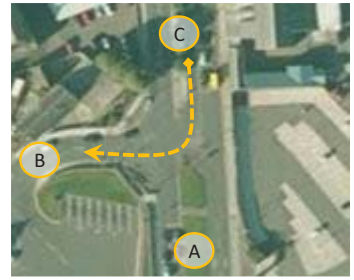
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018

Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.6: A92 (Burnside Drive) (North) to Catherine Street Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	5	0	0	0	1	6	1	7.00	
07:15 - 07:30	0	0	6	0	0	0	1	7	1	8.00	
07:30 - 07:45	0	0	6	0	0	0	3	9	3	12.00	
07:45 - 08:00	0	0	16	0	0	0	2	18	2	20.00	
08:00 - 08:15	0	0	9	2	1	0	1	13	2	14.50	
08:15 - 08:30	0	0	10	5	0	0	1	16	1	17.00	
08:30 - 08:45	0	0	8	0	0	0	1	9	1	10.00	
08:45 - 09:00	0	0	35	2	0	0	4	41	4	45.00	
09:00 - 09:15	0	1	22	1	0	0	3	27	3	29.40	
09:15 - 09:30	0	0	5	5	0	0	1	11	1	12.00	
09:30 - 09:45	0	1	15	3	0	0	2	21	2	22.40	
09:45 - 10:00	0	0	17	3	0	0	1	21	1	22.00	
TOTAL	0	2	154	21	1	0	21	199	22	219.30	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	2	77	11	0	0	10	100	10	108.80
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	2	77	11	0	0	10	100	10	108.80

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	18	1	1	0	2	22	3	24.50	
15:45 - 16:00	0	0	15	0	0	0	1	16	1	17.00	
16:00 - 16:15	0	0	23	4	0	0	2	29	2	31.00	
16:15 - 16:30	0	0	21	3	0	0	2	26	2	28.00	
16:30 - 16:45	0	0	28	4	0	0	3	35	3	38.00	
16:45 - 17:00	0	0	21	4	0	0	0	25	0	25.00	
17:00 - 17:15	0	0	15	2	0	0	2	19	2	21.00	
17:15 - 17:30	0	0	21	2	0	0	2	25	2	27.00	
17:30 - 17:45	0	0	14	1	0	0	1	16	1	17.00	
17:45 - 18:00	0	0	14	1	0	0	1	16	1	17.00	
18:00 - 18:15	0	0	9	1	0	0	4	14	4	18.00	
18:15 - 18:30	0	0	12	0	0	0	1	13	1	14.00	
TOTAL	0	0	211	23	1	0	21	256	22	277.50	

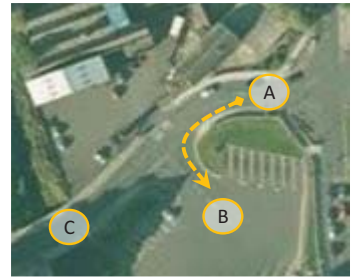
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:00 - 17:00		0	0	93	15	0	0	7	115	7	122.00
NETWOK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	85	13	0	0	7	105	7	112.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction
 Movement 5.1: Catherine Street (East) to Arbroath Bus Station Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	1	1	1	2.00	
07:15 - 07:30	0	0	2	0	0	0	1	3	1	4.00	
07:30 - 07:45	0	0	1	0	0	0	4	5	4	9.00	
07:45 - 08:00	0	0	1	0	0	0	2	3	2	5.00	
08:00 - 08:15	0	0	0	0	0	0	1	1	1	2.00	
08:15 - 08:30	0	0	1	0	0	0	2	3	2	5.00	
08:30 - 08:45	0	0	1	0	0	0	3	4	3	7.00	
08:45 - 09:00	0	0	3	0	0	0	3	6	3	9.00	
09:00 - 09:15	0	0	3	0	0	0	3	6	3	9.00	
09:15 - 09:30	0	0	1	0	0	0	2	3	2	5.00	
09:30 - 09:45	0	0	1	0	0	0	2	3	2	5.00	
09:45 - 10:00	0	0	1	1	0	0	1	3	1	4.00	
TOTAL	0	0	15	1	0	0	25	41	25	66.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 9:30		0	0	8	0	0	0	11	19	11	30.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	8	0	0	0	10	18	10	28.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	1	0	0	0	2	3	2	5.00	
15:45 - 16:00	0	0	0	1	0	0	2	3	2	5.00	
16:00 - 16:15	0	0	1	0	0	0	2	3	2	5.00	
16:15 - 16:30	0	0	3	0	0	0	4	7	4	11.00	
16:30 - 16:45	0	0	2	0	0	0	3	5	3	8.00	
16:45 - 17:00	0	0	1	0	0	0	2	3	2	5.00	
17:00 - 17:15	0	0	1	1	0	0	4	6	4	10.00	
17:15 - 17:30	0	0	0	0	0	0	3	3	3	6.00	
17:30 - 17:45	0	0	2	0	0	0	2	4	2	6.00	
17:45 - 18:00	0	0	1	0	0	0	3	4	3	7.00	
18:00 - 18:15	0	0	1	0	0	0	4	5	4	9.00	
18:15 - 18:30	0	0	1	0	0	0	2	3	2	5.00	
TOTAL	0	0	14	2	0	0	33	49	33	82.00	

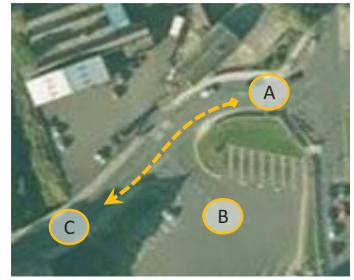
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:45 - 16:45		0	0	6	1	0	0	11	18	11	29.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	7	1	0	0	13	21	13	34.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction
 Movement 5.2: Catherine Street (East) to Catherine Street (West) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	7	1	0	0	0	8	0	8.00	
07:15 - 07:30	0	0	11	0	0	0	0	11	0	11.00	
07:30 - 07:45	0	0	10	0	0	0	0	10	0	10.00	
07:45 - 08:00	0	0	23	0	0	0	0	23	0	23.00	
08:00 - 08:15	0	0	12	4	1	0	0	17	1	17.50	
08:15 - 08:30	0	0	20	4	0	0	0	24	0	24.00	
08:30 - 08:45	0	0	27	0	0	0	0	27	0	27.00	
08:45 - 09:00	1	0	46	2	2	0	0	51	2	51.20	
09:00 - 09:15	0	1	31	2	0	0	0	34	0	33.40	
09:15 - 09:30	0	0	16	6	0	0	0	22	0	22.00	
09:30 - 09:45	0	1	26	5	2	0	0	34	2	34.40	
09:45 - 10:00	0	1	37	6	1	0	0	45	1	44.90	
TOTAL	1	3	266	30	6	0	0	306	6	306.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 9:30		1	1	120	10	2	0	0	134	2	133.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		1	2	119	15	4	0	0	141	4	141.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	32	4	0	0	0	36	0	36.00	
15:45 - 16:00	0	0	35	4	0	0	0	39	0	39.00	
16:00 - 16:15	1	0	45	5	1	0	0	52	1	51.70	
16:15 - 16:30	1	0	36	3	0	0	0	40	0	39.20	
16:30 - 16:45	0	0	46	4	0	0	0	50	0	50.00	
16:45 - 17:00	0	0	38	4	0	0	0	42	0	42.00	
17:00 - 17:15	0	0	37	7	0	0	0	44	0	44.00	
17:15 - 17:30	0	0	42	1	0	0	0	43	0	43.00	
17:30 - 17:45	0	0	26	3	0	0	0	29	0	29.00	
17:45 - 18:00	0	0	27	0	0	0	0	27	0	27.00	
18:00 - 18:15	0	0	25	1	0	0	0	26	0	26.00	
18:15 - 18:30	0	0	23	2	0	0	0	25	0	25.00	
TOTAL	2	0	412	38	1	0	0	453	1	451.90	

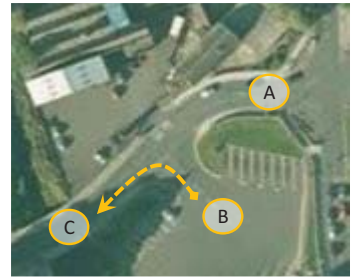
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:45 - 16:45		2	0	162	16	1	0	0	181	1	179.90
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		1	0	157	18	0	0	0	176	0	175.20

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction
 Movement 5.3: Arbroath Bus Station to Catherine Street (West) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	1	1	1	2.00	
07:15 - 07:30	0	0	0	0	0	0	3	3	3	6.00	
07:30 - 07:45	0	0	1	0	1	0	4	6	5	10.50	
07:45 - 08:00	0	0	1	0	0	0	3	4	3	7.00	
08:00 - 08:15	0	0	2	0	0	0	1	3	1	4.00	
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0.00	
08:30 - 08:45	0	0	0	0	0	0	4	4	4	8.00	
08:45 - 09:00	0	0	1	0	0	0	2	3	2	5.00	
09:00 - 09:15	0	0	1	0	0	0	1	2	1	3.00	
09:15 - 09:30	0	0	2	1	0	0	3	6	3	9.00	
09:30 - 09:45	0	0	0	0	0	0	1	1	1	2.00	
09:45 - 10:00	0	0	0	0	0	0	4	4	4	8.00	
TOTAL	0	0	8	1	1	0	27	37	28	64.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 9:30		0	0	4	1	0	0	10	15	10	25.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	4	1	0	0	7	12	7	19.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	3	0	0	0	1	4	1	5.00	
15:45 - 16:00	0	0	0	0	0	0	4	4	4	8.00	
16:00 - 16:15	0	0	2	0	0	0	1	3	1	4.00	
16:15 - 16:30	0	0	1	0	0	0	4	5	4	9.00	
16:30 - 16:45	0	0	1	0	0	0	1	2	1	3.00	
16:45 - 17:00	0	0	1	0	0	0	3	4	3	7.00	
17:00 - 17:15	0	0	1	0	0	0	1	2	1	3.00	
17:15 - 17:30	0	0	1	0	0	0	4	5	4	9.00	
17:30 - 17:45	0	0	0	0	1	0	0	1	1	1.50	
17:45 - 18:00	0	0	2	0	0	0	3	5	3	8.00	
18:00 - 18:15	0	0	2	0	0	0	1	3	1	4.00	
18:15 - 18:30	0	0	2	0	0	0	3	5	3	8.00	
TOTAL	0	0	16	0	1	0	26	43	27	69.50	

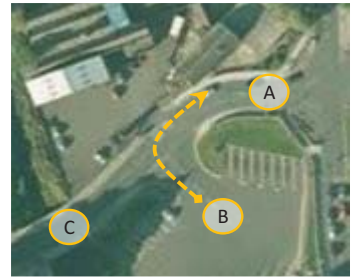
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:45 - 16:45		0	0	4	0	0	0	10	14	10	24.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	4	0	0	0	9	13	9	22.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction
 Movement 5.4: Arbroath Bus Station to Catherine Street (East) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	3	0	0	0	5	8	5	13.00
07:30 - 07:45	0	0	1	0	0	0	6	7	6	13.00
07:45 - 08:00	0	0	1	0	0	0	2	3	2	5.00
08:00 - 08:15	0	0	1	0	0	0	4	5	4	9.00
08:15 - 08:30	0	0	1	0	0	0	1	2	1	3.00
08:30 - 08:45	0	0	2	0	0	0	3	5	3	8.00
08:45 - 09:00	0	0	1	0	0	0	2	3	2	5.00
09:00 - 09:15	0	0	1	0	0	0	2	3	2	5.00
09:15 - 09:30	0	0	1	0	0	0	4	5	4	9.00
09:30 - 09:45	0	0	4	0	0	0	3	7	3	10.00
09:45 - 10:00	0	0	1	2	0	0	4	7	4	11.00
TOTAL	0	0	17	2	0	0	36	55	36	91.00

PEAK	VEHICLE CLASSIFICATION							TOTAL			
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 9:30		0	0	5	0	0	0	11	16	11	27.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	7	0	0	0	11	18	11	29.00

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:30 - 15:45	0	0	1	0	0	0	2	3	2	5.00
15:45 - 16:00	0	0	0	1	0	0	1	2	1	3.00
16:00 - 16:15	0	0	1	0	0	0	4	5	4	9.00
16:15 - 16:30	0	0	4	0	0	0	3	7	3	10.00
16:30 - 16:45	0	0	1	0	0	0	2	3	2	5.00
16:45 - 17:00	0	0	3	0	0	0	2	5	2	7.00
17:00 - 17:15	0	0	0	0	0	0	3	3	3	6.00
17:15 - 17:30	0	0	1	0	0	0	4	5	4	9.00
17:30 - 17:45	0	0	2	0	0	0	2	4	2	6.00
17:45 - 18:00	0	0	4	0	0	0	2	6	2	8.00
18:00 - 18:15	0	0	0	0	0	0	2	2	2	4.00
18:15 - 18:30	0	0	1	0	0	0	2	3	2	5.00
TOTAL	0	0	18	1	0	0	29	48	29	77.00

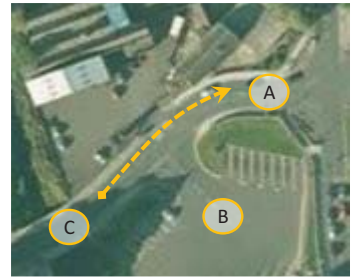
PEAK	VEHICLE CLASSIFICATION							TOTAL			
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:45 - 16:45		0	0	6	1	0	0	10	17	10	27.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	8	0	0	0	10	18	10	28.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction
 Movement 5.5: Catherine Street (West) to Catherine Street (East) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	5	3	0	0	0	8	0	8.00	
07:15 - 07:30	0	0	15	3	0	0	0	18	0	18.00	
07:30 - 07:45	0	0	19	2	0	0	0	21	0	21.00	
07:45 - 08:00	0	0	24	4	0	0	0	28	0	28.00	
08:00 - 08:15	0	0	21	4	0	0	0	25	0	25.00	
08:15 - 08:30	1	0	21	2	0	0	0	24	0	23.20	
08:30 - 08:45	0	0	50	4	0	0	0	54	0	54.00	
08:45 - 09:00	1	0	65	4	0	0	0	70	0	69.20	
09:00 - 09:15	0	0	51	7	0	0	0	58	0	58.00	
09:15 - 09:30	0	1	38	4	0	0	0	43	0	42.40	
09:30 - 09:45	1	0	38	5	0	0	0	44	0	43.20	
09:45 - 10:00	0	0	33	4	0	0	0	37	0	37.00	
TOTAL	3	1	380	46	0	0	0	430	0	427.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 9:30		1	1	204	19	0	0	0	225	0	223.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		2	1	192	20	0	0	0	215	0	212.80

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	42	7	0	0	0	49	0	49.00	
15:45 - 16:00	0	0	55	5	0	0	0	60	0	60.00	
16:00 - 16:15	0	0	76	2	0	0	0	78	0	78.00	
16:15 - 16:30	0	0	53	6	0	0	0	59	0	59.00	
16:30 - 16:45	1	0	53	3	0	0	0	57	0	56.20	
16:45 - 17:00	0	0	46	2	0	0	0	48	0	48.00	
17:00 - 17:15	0	0	55	3	0	0	0	58	0	58.00	
17:15 - 17:30	0	1	52	5	0	0	0	58	0	57.40	
17:30 - 17:45	0	0	36	3	0	0	0	39	0	39.00	
17:45 - 18:00	0	0	38	1	0	0	0	39	0	39.00	
18:00 - 18:15	0	0	45	2	0	0	2	49	2	51.00	
18:15 - 18:30	0	0	38	1	0	0	0	39	0	39.00	
TOTAL	1	1	589	40	0	0	2	633	2	633.60	

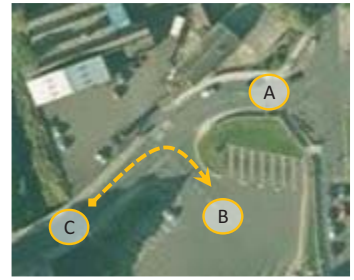
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:45 - 16:45		1	0	237	16	0	0	0	254	0	253.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		1	0	207	14	0	0	0	222	0	221.20

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction
 Movement 5.6: Catherine Street (West) to Arbroath Bus Station Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	1	0	0	0	6	7	6	13.00	
07:15 - 07:30	0	0	0	0	0	0	2	2	2	4.00	
07:30 - 07:45	0	0	2	0	1	0	5	8	6	13.50	
07:45 - 08:00	0	0	2	0	0	0	3	5	3	8.00	
08:00 - 08:15	0	0	2	0	0	0	3	5	3	8.00	
08:15 - 08:30	0	0	1	0	0	0	2	3	2	5.00	
08:30 - 08:45	0	0	2	0	0	0	2	4	2	6.00	
08:45 - 09:00	0	0	1	0	0	0	1	2	1	3.00	
09:00 - 09:15	0	0	0	0	0	0	2	2	2	4.00	
09:15 - 09:30	0	0	1	0	0	0	4	5	4	9.00	
09:30 - 09:45	0	0	1	1	0	0	5	7	5	12.00	
09:45 - 10:00	0	0	2	0	0	0	2	4	2	6.00	
TOTAL	0	0	15	1	1	0	37	54	38	91.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:30 - 9:30		0	0	4	0	0	0	9	13	9	22.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	3	1	0	0	12	16	12	28.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	2	0	0	0	1	3	1	4.00	
15:45 - 16:00	0	0	1	0	0	0	2	3	2	5.00	
16:00 - 16:15	0	0	2	0	0	0	4	6	4	10.00	
16:15 - 16:30	0	0	2	0	0	0	4	6	4	10.00	
16:30 - 16:45	0	0	1	0	0	0	0	1	0	1.00	
16:45 - 17:00	0	0	0	0	0	0	2	2	2	4.00	
17:00 - 17:15	0	0	0	0	0	0	4	4	4	8.00	
17:15 - 17:30	0	0	2	0	0	0	2	4	2	6.00	
17:30 - 17:45	0	0	2	0	0	0	1	3	1	4.00	
17:45 - 18:00	0	0	3	0	0	0	3	6	3	9.00	
18:00 - 18:15	0	0	0	0	0	0	1	1	1	2.00	
18:15 - 18:30	0	0	2	0	0	0	1	3	1	4.00	
TOTAL	0	0	17	0	0	0	25	42	25	67.00	

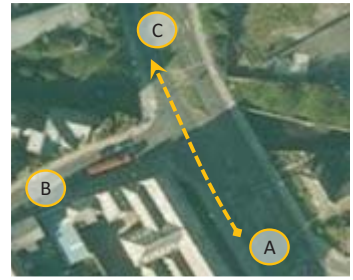
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:45 - 16:45		0	0	6	0	0	0	10	16	10	26.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	3	0	0	0	10	13	10	23.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals
 Movement 6.1: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (North) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	20	8	1	2	0	31	3	34.10	
07:15 - 07:30	0	0	57	10	5	0	1	73	6	76.50	
07:30 - 07:45	0	0	69	8	3	2	1	83	6	88.10	
07:45 - 08:00	0	0	65	17	0	3	0	85	3	88.90	
08:00 - 08:15	0	0	69	16	6	2	0	93	8	98.60	
08:15 - 08:30	0	0	64	9	4	3	1	81	8	87.90	
08:30 - 08:45	1	0	74	10	3	2	0	90	5	93.30	
08:45 - 09:00	0	1	69	8	4	2	1	85	7	90.00	
09:00 - 09:15	0	0	80	12	2	0	0	94	2	95.00	
09:15 - 09:30	0	0	74	18	4	0	1	97	5	100.00	
09:30 - 09:45	0	0	70	9	8	2	0	89	10	95.60	
09:45 - 10:00	0	0	69	7	5	0	1	82	6	85.50	
TOTAL	1	1	780	132	45	18	6	983	69	1033.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	1	293	47	18	4	2	365	24	380.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	293	47	18	4	2	365	24	380.60

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	108	10	2	3	0	123	5	127.90	
15:45 - 16:00	0	0	115	11	0	1	1	128	2	130.30	
16:00 - 16:15	0	0	100	12	0	0	0	112	0	112.00	
16:15 - 16:30	0	0	100	9	0	0	1	110	1	111.00	
16:30 - 16:45	0	0	101	16	1	1	0	119	2	120.80	
16:45 - 17:00	0	1	107	7	1	1	2	119	4	122.20	
17:00 - 17:15	0	0	81	12	2	1	1	97	4	100.30	
17:15 - 17:30	1	0	91	11	0	0	1	104	1	104.20	
17:30 - 17:45	0	0	91	8	1	1	0	101	2	102.80	
17:45 - 18:00	0	0	88	6	0	0	3	97	3	100.00	
18:00 - 18:15	1	0	83	5	1	1	0	91	2	92.00	
18:15 - 18:30	0	0	61	3	1	0	1	66	2	67.50	
TOTAL	2	1	1126	110	9	9	10	1267	28	1291.00	

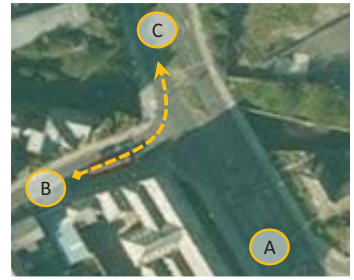
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	1	389	44	4	3	4	445	11	454.30
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	1	389	44	4	3	4	445	11	454.30

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals
 Movement 6.2: Millgate to A92 (Burnside Drive) (North) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	4	1	0	0	0	5	0	5.00	
07:15 - 07:30	0	0	4	1	0	0	0	5	0	5.00	
07:30 - 07:45	0	0	1	2	0	0	0	3	0	3.00	
07:45 - 08:00	0	0	5	0	0	0	0	5	0	5.00	
08:00 - 08:15	0	0	7	0	0	0	0	7	0	7.00	
08:15 - 08:30	0	0	8	1	0	0	0	9	0	9.00	
08:30 - 08:45	0	0	11	0	0	0	0	11	0	11.00	
08:45 - 09:00	0	0	19	1	2	0	0	22	2	23.00	
09:00 - 09:15	0	0	13	3	0	0	0	16	0	16.00	
09:15 - 09:30	0	0	16	2	0	0	0	18	0	18.00	
09:30 - 09:45	0	0	17	3	0	0	0	20	0	20.00	
09:45 - 10:00	0	0	15	3	0	0	0	18	0	18.00	
TOTAL	0	0	120	17	2	0	0	139	2	140.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	65	9	2	0	0	76	2	77.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	65	9	2	0	0	76	2	77.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	28	0	3	0	0	31	3	32.50	
15:45 - 16:00	0	0	22	0	0	0	0	22	0	22.00	
16:00 - 16:15	0	0	20	0	0	0	0	20	0	20.00	
16:15 - 16:30	0	0	17	0	3	0	1	21	4	23.50	
16:30 - 16:45	0	0	16	3	0	0	0	19	0	19.00	
16:45 - 17:00	0	0	25	1	0	0	0	26	0	26.00	
17:00 - 17:15	0	0	29	0	0	0	1	30	1	31.00	
17:15 - 17:30	0	0	25	1	0	0	0	26	0	26.00	
17:30 - 17:45	0	0	24	3	1	0	0	28	1	28.50	
17:45 - 18:00	0	0	15	0	0	0	0	15	0	15.00	
18:00 - 18:15	1	0	26	1	0	0	0	28	0	27.20	
18:15 - 18:30	1	0	16	0	1	0	0	18	1	17.70	
TOTAL	2	0	263	9	8	0	2	284	10	288.40	

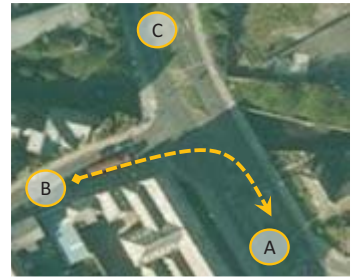
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	87	4	3	0	2	96	5	99.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	87	4	3	0	2	96	5	99.50

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals
 Movement 6.3: Millgate to A92 (Burnside Drive) (South) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	2	0	0	0	0	2	0	2.00	
07:30 - 07:45	0	0	5	0	2	0	0	7	2	8.00	
07:45 - 08:00	0	0	7	3	0	0	0	10	0	10.00	
08:00 - 08:15	0	0	1	1	2	0	0	4	2	5.00	
08:15 - 08:30	0	0	5	0	0	0	0	5	0	5.00	
08:30 - 08:45	0	0	3	2	0	0	0	5	0	5.00	
08:45 - 09:00	0	0	7	0	0	0	0	7	0	7.00	
09:00 - 09:15	0	0	8	0	0	0	0	8	0	8.00	
09:15 - 09:30	0	0	5	1	0	0	0	6	0	6.00	
09:30 - 09:45	0	0	8	1	0	0	0	9	0	9.00	
09:45 - 10:00	0	0	6	3	1	0	0	10	1	10.50	
TOTAL	0	0	57	11	5	0	0	73	5	75.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	28	2	0	0	0	30	0	30.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	28	2	0	0	0	30	0	30.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	11	1	0	0	0	12	0	12.00	
15:45 - 16:00	0	0	10	1	1	0	0	12	1	12.50	
16:00 - 16:15	0	1	11	0	0	0	0	12	0	11.40	
16:15 - 16:30	0	0	17	1	0	0	0	18	0	18.00	
16:30 - 16:45	0	0	7	1	0	0	0	8	0	8.00	
16:45 - 17:00	0	0	9	2	0	0	0	11	0	11.00	
17:00 - 17:15	0	0	17	3	0	0	0	20	0	20.00	
17:15 - 17:30	0	0	10	1	0	0	0	11	0	11.00	
17:30 - 17:45	0	0	6	0	0	0	0	6	0	6.00	
17:45 - 18:00	0	0	6	0	0	0	0	6	0	6.00	
18:00 - 18:15	0	0	8	0	0	0	0	8	0	8.00	
18:15 - 18:30	0	0	9	2	0	0	0	11	0	11.00	
TOTAL	0	1	121	12	1	0	0	135	1	134.90	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	50	7	0	0	0	57	0	57.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	50	7	0	0	0	57	0	57.00

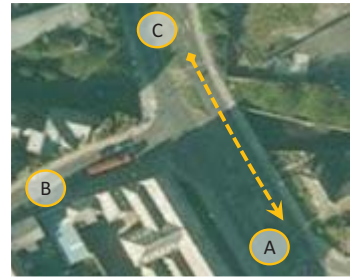
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals

Movement 6.4: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (South) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	27	11	3	0	1	42	4	44.50	
07:15 - 07:30	0	0	45	9	1	1	1	57	3	59.80	
07:30 - 07:45	0	0	54	11	2	0	4	71	6	76.00	
07:45 - 08:00	0	0	51	7	0	3	2	63	5	68.90	
08:00 - 08:15	0	0	56	9	5	0	0	70	5	72.50	
08:15 - 08:30	0	0	49	9	0	2	0	60	2	62.60	
08:30 - 08:45	0	0	34	10	0	0	1	45	1	46.00	
08:45 - 09:00	0	0	77	10	0	3	0	90	3	93.90	
09:00 - 09:15	0	0	41	12	2	2	1	58	5	62.60	
09:15 - 09:30	0	1	50	7	3	1	1	63	5	66.20	
09:30 - 09:45	0	0	52	12	0	2	3	69	5	74.60	
09:45 - 10:00	1	1	49	9	3	1	0	64	4	65.40	
TOTAL	1	2	585	116	19	15	14	752	48	793.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	1	220	41	5	8	5	280	18	297.30
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	220	41	5	8	5	280	18	297.30

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	1	0	58	8	0	0	2	69	2	70.20	
15:45 - 16:00	0	0	71	13	3	1	0	88	4	90.80	
16:00 - 16:15	0	0	77	13	1	0	1	92	2	93.50	
16:15 - 16:30	0	0	83	15	0	0	1	99	1	100.00	
16:30 - 16:45	0	0	70	19	1	1	2	93	4	96.80	
16:45 - 17:00	0	0	114	11	0	1	1	127	2	129.30	
17:00 - 17:15	0	1	94	7	2	0	1	105	3	106.40	
17:15 - 17:30	0	0	93	9	0	1	3	106	4	110.30	
17:30 - 17:45	0	0	91	6	0	0	1	98	1	99.00	
17:45 - 18:00	0	0	83	7	0	0	0	90	0	90.00	
18:00 - 18:15	0	0	52	4	0	0	2	58	2	60.00	
18:15 - 18:30	0	0	62	3	1	0	1	67	2	68.50	
TOTAL	1	1	948	115	8	4	15	1092	27	1114.80	

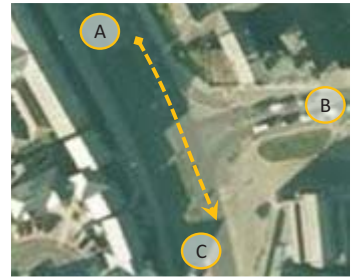
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	1	361	52	3	2	5	424	10	432.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	1	361	52	3	2	5	424	10	432.50

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals
 Movement 7.1: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (South) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	30	8	0	0	1	39	1	40.00	
07:15 - 07:30	0	0	46	9	0	1	1	57	2	59.30	
07:30 - 07:45	0	0	59	8	5	0	3	75	8	80.50	
07:45 - 08:00	0	0	62	10	0	3	1	76	4	80.90	
08:00 - 08:15	0	0	58	10	7	0	0	75	7	78.50	
08:15 - 08:30	0	0	53	10	0	2	0	65	2	67.60	
08:30 - 08:45	0	0	37	12	0	0	1	50	1	51.00	
08:45 - 09:00	0	0	80	12	1	3	0	96	4	100.40	
09:00 - 09:15	0	1	52	6	4	1	1	65	6	68.70	
09:15 - 09:30	0	0	57	10	6	0	1	74	7	78.00	
09:30 - 09:45	0	0	56	15	1	2	3	77	6	83.10	
09:45 - 10:00	1	1	54	14	4	1	0	75	5	76.90	
TOTAL	1	2	644	124	28	13	12	824	53	864.90	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	1	245	43	12	6	5	312	23	330.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	245	43	12	6	5	312	23	330.20

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	1	0	70	7	0	0	2	80	2	81.20	
15:45 - 16:00	0	0	78	19	1	2	0	100	3	103.10	
16:00 - 16:15	0	1	90	15	0	0	1	107	1	107.40	
16:15 - 16:30	0	0	98	16	0	0	1	115	1	116.00	
16:30 - 16:45	0	0	71	19	0	1	2	93	3	96.30	
16:45 - 17:00	0	0	119	13	0	1	1	134	2	136.30	
17:00 - 17:15	0	0	114	9	1	0	1	125	2	126.50	
17:15 - 17:30	0	0	105	8	1	0	3	117	4	120.50	
17:30 - 17:45	0	0	97	6	0	0	1	104	1	105.00	
17:45 - 18:00	0	1	79	6	0	0	0	86	0	85.40	
18:00 - 18:15	0	1	141	10	0	0	1	153	1	153.40	
18:15 - 18:30	0	0	71	7	1	0	1	80	2	81.50	
TOTAL	1	3	1133	135	4	4	14	1294	22	1312.60	

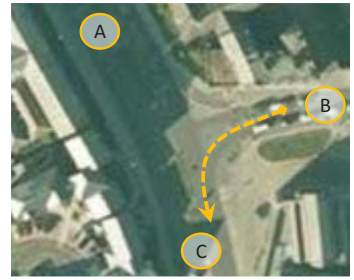
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	402	57	1	2	5	467	8	475.10
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	402	57	1	2	5	467	8	475.10

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals
 Movement 7.2: Brothock Bridge to A92 (Burnside Drive) (South) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	16	7	0	0	0	23	0	23.00	
07:15 - 07:30	0	0	29	9	0	0	0	38	0	38.00	
07:30 - 07:45	0	0	39	13	1	0	0	53	1	53.50	
07:45 - 08:00	0	0	37	4	1	0	0	42	1	42.50	
08:00 - 08:15	0	0	27	5	0	0	0	32	0	32.00	
08:15 - 08:30	0	0	34	4	0	2	0	40	2	42.60	
08:30 - 08:45	0	0	30	2	0	0	0	32	0	32.00	
08:45 - 09:00	0	0	36	3	0	0	0	39	0	39.00	
09:00 - 09:15	0	0	35	9	0	0	0	44	0	44.00	
09:15 - 09:30	1	0	39	4	0	0	0	44	0	43.20	
09:30 - 09:45	0	0	36	6	1	0	0	43	1	43.50	
09:45 - 10:00	0	0	34	7	0	0	0	41	0	41.00	
TOTAL	1	0	392	73	3	2	0	471	5	474.30	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		1	0	146	22	1	0	0	170	1	169.70
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		1	0	146	22	1	0	0	170	1	169.70

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	58	7	0	0	0	65	0	65.00	
15:45 - 16:00	0	0	49	4	0	0	0	53	0	53.00	
16:00 - 16:15	0	0	57	8	0	0	0	65	0	65.00	
16:15 - 16:30	0	0	65	10	0	0	0	75	0	75.00	
16:30 - 16:45	0	0	73	5	0	0	0	78	0	78.00	
16:45 - 17:00	0	0	64	4	0	0	0	68	0	68.00	
17:00 - 17:15	0	0	100	3	0	0	0	103	0	103.00	
17:15 - 17:30	0	0	53	4	0	0	0	57	0	57.00	
17:30 - 17:45	0	0	48	4	0	0	0	52	0	52.00	
17:45 - 18:00	0	0	41	1	0	0	0	42	0	42.00	
18:00 - 18:15	0	0	48	2	1	0	0	51	1	51.50	
18:15 - 18:30	0	0	39	3	0	0	0	42	0	42.00	
TOTAL	0	0	695	55	1	0	0	751	1	751.50	

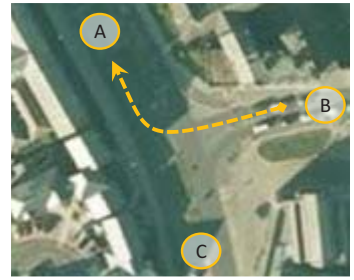
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	302	22	0	0	0	324	0	324.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	302	22	0	0	0	324	0	324.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals
 Movement 7.3: Brothock Bridge to A92 (Burnside Drive) (North) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	3	1	0	0	0	4	0	4.00	
07:15 - 07:30	0	0	7	0	1	0	0	8	1	8.50	
07:30 - 07:45	0	0	8	2	1	0	0	11	1	11.50	
07:45 - 08:00	0	0	9	1	0	0	0	10	0	10.00	
08:00 - 08:15	0	0	8	4	1	0	0	13	1	13.50	
08:15 - 08:30	0	0	10	1	0	0	0	11	0	11.00	
08:30 - 08:45	0	0	13	3	1	0	0	17	1	17.50	
08:45 - 09:00	0	1	15	0	1	0	0	17	1	16.90	
09:00 - 09:15	0	0	24	2	0	0	0	26	0	26.00	
09:15 - 09:30	0	0	19	2	1	0	0	22	1	22.50	
09:30 - 09:45	0	0	18	4	1	0	0	23	1	23.50	
09:45 - 10:00	0	0	24	2	0	0	0	26	0	26.00	
TOTAL	0	1	158	22	7	0	0	188	7	190.90	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	1	76	8	3	0	0	88	3	88.90
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	76	8	3	0	0	88	3	88.90

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	30	0	0	0	0	30	0	30.00	
15:45 - 16:00	0	0	25	4	0	0	0	29	0	29.00	
16:00 - 16:15	0	0	26	3	1	0	0	30	1	30.50	
16:15 - 16:30	0	0	28	1	0	0	0	29	0	29.00	
16:30 - 16:45	0	0	36	3	0	0	0	39	0	39.00	
16:45 - 17:00	0	1	25	1	0	0	0	27	0	26.40	
17:00 - 17:15	0	0	29	8	0	0	0	37	0	37.00	
17:15 - 17:30	0	0	19	1	0	0	0	20	0	20.00	
17:30 - 17:45	0	0	22	1	0	0	0	23	0	23.00	
17:45 - 18:00	0	0	29	1	0	0	0	30	0	30.00	
18:00 - 18:15	0	0	25	0	0	0	0	25	0	25.00	
18:15 - 18:30	0	0	15	1	0	0	0	16	0	16.00	
TOTAL	0	1	309	24	1	0	0	335	1	334.90	

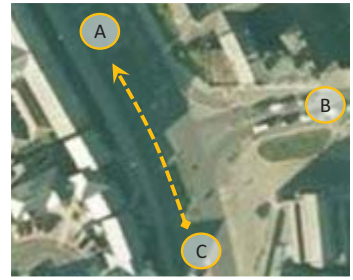
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	1	118	13	0	0	0	132	0	131.40
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	1	118	13	0	0	0	132	0	131.40

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals
 Movement 7.4: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (North) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	18	7	0	3	0	28	3	31.90	
07:15 - 07:30	0	0	50	12	2	0	1	65	3	67.00	
07:30 - 07:45	0	0	60	5	2	2	1	70	5	74.60	
07:45 - 08:00	0	0	55	14	0	3	0	72	3	75.90	
08:00 - 08:15	0	0	63	14	3	2	0	82	5	86.10	
08:15 - 08:30	0	0	59	10	1	3	1	74	5	79.40	
08:30 - 08:45	0	0	65	6	0	4	0	75	4	80.20	
08:45 - 09:00	0	0	53	19	1	3	1	77	5	82.40	
09:00 - 09:15	0	0	58	10	0	0	0	68	0	68.00	
09:15 - 09:30	0	0	55	18	1	0	1	75	2	76.50	
09:30 - 09:45	0	0	51	8	4	1	0	64	5	67.30	
09:45 - 10:00	0	0	45	9	1	2	1	58	4	62.10	
TOTAL	0	0	632	132	15	23	6	808	44	851.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	217	55	6	4	2	284	12	294.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	217	55	6	4	2	284	12	294.20

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	77	12	1	3	0	93	4	97.40	
15:45 - 16:00	0	0	85	9	0	1	1	96	2	98.30	
16:00 - 16:15	0	0	73	8	0	0	0	81	0	81.00	
16:15 - 16:30	0	0	72	7	0	0	1	80	1	81.00	
16:30 - 16:45	0	0	65	15	1	1	0	82	2	83.80	
16:45 - 17:00	0	0	77	5	1	1	2	86	4	89.80	
17:00 - 17:15	0	0	50	7	2	1	1	61	4	64.30	
17:15 - 17:30	1	0	71	7	0	0	1	80	1	80.20	
17:30 - 17:45	0	0	66	7	0	1	0	74	1	75.30	
17:45 - 18:00	0	0	61	6	0	0	2	69	2	71.00	
18:00 - 18:15	0	0	58	5	0	1	0	64	1	65.30	
18:15 - 18:30	1	0	46	2	0	1	2	52	3	54.50	
TOTAL	2	0	801	90	5	10	10	918	25	941.90	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	264	34	4	3	4	309	11	318.90
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	264	34	4	3	4	309	11	318.90

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.1: A92 (Burnside Drive) to Arbroath Harbour Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	1	0	0	0	0	1	0	1.00	
07:30 - 07:45	0	0	0	0	0	2	0	2	2	4.60	
07:45 - 08:00	0	0	1	0	0	0	0	1	0	1.00	
08:00 - 08:15	0	0	3	0	0	0	0	3	0	3.00	
08:15 - 08:30	0	0	1	0	0	0	0	1	0	1.00	
08:30 - 08:45	0	0	1	0	0	0	0	1	0	1.00	
08:45 - 09:00	0	0	0	0	0	0	0	0	0	0.00	
09:00 - 09:15	0	0	3	1	0	0	0	4	0	4.00	
09:15 - 09:30	0	0	4	0	0	0	0	4	0	4.00	
09:30 - 09:45	0	0	1	0	0	0	0	1	0	1.00	
09:45 - 10:00	0	0	2	1	1	0	0	4	1	4.50	
TOTAL	0	0	17	2	1	2	0	22	3	25.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	8	1	0	0	0	9	0	9.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	8	1	0	0	0	9	0	9.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	3	0	0	0	0	3	0	3.00	
15:45 - 16:00	0	0	3	0	0	0	0	3	0	3.00	
16:00 - 16:15	0	0	1	1	0	0	0	2	0	2.00	
16:15 - 16:30	0	0	5	0	0	0	0	5	0	5.00	
16:30 - 16:45	0	0	0	1	0	0	0	1	0	1.00	
16:45 - 17:00	0	0	1	0	0	0	0	1	0	1.00	
17:00 - 17:15	0	0	1	0	0	0	0	1	0	1.00	
17:15 - 17:30	0	0	3	0	0	0	0	3	0	3.00	
17:30 - 17:45	0	0	4	0	0	0	0	4	0	4.00	
17:45 - 18:00	0	0	3	0	0	0	0	3	0	3.00	
18:00 - 18:15	0	0	2	0	0	0	0	2	0	2.00	
18:15 - 18:30	0	0	1	0	0	0	0	1	0	1.00	
TOTAL	0	0	27	2	0	0	0	29	0	29.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	7	1	0	0	0	8	0	8.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	7	1	0	0	0	8	0	8.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.2: A92 (Burnside Drive) to A92 (Ladyloan) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	46	16	3	0	1	66	4	68.50	
07:15 - 07:30	0	0	76	15	1	1	1	94	3	96.80	
07:30 - 07:45	0	0	88	20	2	0	4	114	6	119.00	
07:45 - 08:00	0	0	89	9	0	3	2	103	5	108.90	
08:00 - 08:15	0	0	79	9	7	0	0	95	7	98.50	
08:15 - 08:30	0	0	73	16	0	3	0	92	3	95.90	
08:30 - 08:45	0	0	51	4	1	0	1	57	2	58.50	
08:45 - 09:00	0	0	77	15	0	3	0	95	3	98.90	
09:00 - 09:15	0	0	59	11	1	2	1	74	4	78.10	
09:15 - 09:30	0	1	72	10	3	1	1	88	5	91.20	
09:30 - 09:45	0	0	59	15	0	2	2	78	4	82.60	
09:45 - 10:00	1	1	59	12	1	1	0	75	2	75.40	
TOTAL	1	2	828	152	19	16	13	1031	48	1072.30	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	1	267	51	4	8	4	335	16	350.80
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	267	51	4	8	4	335	16	350.80

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	92	9	0	0	1	102	1	103.00	
15:45 - 16:00	0	0	100	15	2	1	0	118	3	120.30	
16:00 - 16:15	0	0	104	16	0	0	1	121	1	122.00	
16:15 - 16:30	0	0	124	22	1	0	2	149	3	151.50	
16:30 - 16:45	0	0	111	21	1	1	2	136	4	139.80	
16:45 - 17:00	0	0	141	15	0	1	1	158	2	160.30	
17:00 - 17:15	0	0	197	6	2	0	1	206	3	208.00	
17:15 - 17:30	0	1	116	10	1	1	2	131	4	134.20	
17:30 - 17:45	0	0	107	4	0	0	1	112	1	113.00	
17:45 - 18:00	1	0	85	6	0	0	0	92	0	91.20	
18:00 - 18:15	0	0	86	5	1	0	2	94	3	96.50	
18:15 - 18:30	0	0	88	2	1	0	1	92	2	93.50	
TOTAL	1	1	1351	131	9	4	14	1511	27	1533.30	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	573	64	4	2	6	649	12	659.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	573	64	4	2	6	649	12	659.60

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.3: A92 (Burnside Drive) to East Mary Street Right Turn (A-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	2	0	0	0	0	2	0	2.00	
07:15 - 07:30	0	0	3	1	0	0	0	4	0	4.00	
07:30 - 07:45	0	0	2	2	0	0	0	4	0	4.00	
07:45 - 08:00	0	0	5	0	0	0	0	5	0	5.00	
08:00 - 08:15	0	0	2	2	0	0	0	4	0	4.00	
08:15 - 08:30	0	0	9	0	1	0	0	10	1	10.50	
08:30 - 08:45	0	0	12	3	0	0	0	15	0	15.00	
08:45 - 09:00	0	0	20	1	0	0	1	22	1	23.00	
09:00 - 09:15	0	0	10	1	0	0	0	11	0	11.00	
09:15 - 09:30	0	0	13	0	0	0	0	13	0	13.00	
09:30 - 09:45	0	0	13	1	0	0	0	14	0	14.00	
09:45 - 10:00	0	0	16	1	0	0	0	17	0	17.00	
TOTAL	0	0	107	12	1	0	1	121	2	122.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	56	3	0	0	1	60	1	61.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	56	3	0	0	1	60	1	61.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	14	1	0	0	0	15	0	15.00	
15:45 - 16:00	0	0	13	0	0	0	0	13	0	13.00	
16:00 - 16:15	0	0	15	2	0	0	0	17	0	17.00	
16:15 - 16:30	0	0	13	3	0	0	0	16	0	16.00	
16:30 - 16:45	0	0	20	1	0	0	0	21	0	21.00	
16:45 - 17:00	0	0	15	2	0	0	0	17	0	17.00	
17:00 - 17:15	0	0	13	0	0	0	0	13	0	13.00	
17:15 - 17:30	0	0	5	1	0	0	0	6	0	6.00	
17:30 - 17:45	0	0	12	1	0	0	0	13	0	13.00	
17:45 - 18:00	0	0	7	0	0	0	0	7	0	7.00	
18:00 - 18:15	0	0	5	1	0	0	0	6	0	6.00	
18:15 - 18:30	0	0	5	1	0	0	0	6	0	6.00	
TOTAL	0	0	137	13	0	0	0	150	0	150.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	61	6	0	0	0	67	0	67.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	61	6	0	0	0	67	0	67.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.4: A92 (Burnside Drive) to A92 (Burnside Drive) U-Turn (A-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	0	0	0	4	0	4	4	9.20	
07:30 - 07:45	0	0	0	0	0	5	0	5	5	11.50	
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0.00	
08:00 - 08:15	0	0	1	0	0	0	0	1	0	1.00	
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0.00	
08:30 - 08:45	0	0	0	0	0	0	0	0	0	0.00	
08:45 - 09:00	0	0	1	0	0	0	0	1	0	1.00	
09:00 - 09:15	0	0	1	0	0	0	0	1	0	1.00	
09:15 - 09:30	0	0	2	0	0	0	0	2	0	2.00	
09:30 - 09:45	0	0	4	1	0	0	0	5	0	5.00	
09:45 - 10:00	0	0	3	0	0	0	0	3	0	3.00	
TOTAL	0	0	12	1	0	9	0	22	9	33.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	8	1	0	0	0	9	0	9.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	8	1	0	0	0	9	0	9.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	4	1	0	0	0	5	0	5.00	
15:45 - 16:00	0	0	3	0	0	0	0	3	0	3.00	
16:00 - 16:15	0	0	4	0	0	0	0	4	0	4.00	
16:15 - 16:30	0	0	1	0	0	0	0	1	0	1.00	
16:30 - 16:45	0	0	0	0	0	0	0	0	0	0.00	
16:45 - 17:00	0	0	1	0	0	0	0	1	0	1.00	
17:00 - 17:15	0	0	2	0	0	0	0	2	0	2.00	
17:15 - 17:30	0	0	2	0	0	0	0	2	0	2.00	
17:30 - 17:45	0	0	1	0	0	0	0	1	0	1.00	
17:45 - 18:00	0	0	0	0	0	0	0	0	0	0.00	
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0.00	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	18	1	0	0	0	19	0	19.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	4	0	0	0	0	4	0	4.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	4	0	0	0	0	4	0	4.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.5: Arbroath Harbour to A92 (Ladyloan) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0.00	
07:30 - 07:45	0	0	1	0	0	0	0	1	0	1.00	
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0.00	
08:00 - 08:15	0	0	0	0	0	0	0	0	0	0.00	
08:15 - 08:30	0	0	1	0	0	0	0	1	0	1.00	
08:30 - 08:45	0	0	2	0	0	0	0	2	0	2.00	
08:45 - 09:00	0	0	0	0	0	0	0	0	0	0.00	
09:00 - 09:15	0	0	3	0	0	0	0	3	0	3.00	
09:15 - 09:30	0	0	2	0	0	0	0	2	0	2.00	
09:30 - 09:45	0	0	0	0	0	0	0	0	0	0.00	
09:45 - 10:00	0	0	1	0	0	0	0	1	0	1.00	
TOTAL	0	0	10	0	0	0	0	10	0	10.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	5	0	0	0	0	5	0	5.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	5	0	0	0	0	5	0	5.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	5	0	0	0	0	5	0	5.00	
15:45 - 16:00	0	0	1	2	0	0	0	3	0	3.00	
16:00 - 16:15	0	0	1	0	0	0	0	1	0	1.00	
16:15 - 16:30	0	0	4	0	0	0	0	4	0	4.00	
16:30 - 16:45	0	0	2	0	0	0	0	2	0	2.00	
16:45 - 17:00	0	0	1	0	0	0	0	1	0	1.00	
17:00 - 17:15	0	0	3	0	0	0	0	3	0	3.00	
17:15 - 17:30	0	0	2	0	0	0	0	2	0	2.00	
17:30 - 17:45	0	0	1	0	0	0	0	1	0	1.00	
17:45 - 18:00	0	0	3	0	0	0	0	3	0	3.00	
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0.00	
18:15 - 18:30	0	0	5	0	0	0	0	5	0	5.00	
TOTAL	0	0	28	2	0	0	0	30	0	30.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	10	0	0	0	0	10	0	10.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	10	0	0	0	0	10	0	10.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.6: Arbroath Harbour to East Mary Street Ahead (B-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0.00	
07:30 - 07:45	0	0	1	0	0	0	0	1	0	1.00	
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0.00	
08:00 - 08:15	0	0	1	0	0	0	0	1	0	1.00	
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0.00	
08:30 - 08:45	0	0	2	0	0	0	0	2	0	2.00	
08:45 - 09:00	0	0	0	0	0	0	0	0	0	0.00	
09:00 - 09:15	0	0	0	0	0	0	0	0	0	0.00	
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0.00	
09:30 - 09:45	0	0	0	0	0	0	0	0	0	0.00	
09:45 - 10:00	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	4	0	0	0	0	4	0	4.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	0	0	0	0	0	0	0	0.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	0	0	0	0	0	0	0	0.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	1	0	0	0	0	1	0	1.00	
15:45 - 16:00	0	0	0	0	0	0	0	0	0	0.00	
16:00 - 16:15	0	0	1	0	0	0	0	1	0	1.00	
16:15 - 16:30	0	0	0	0	0	0	0	0	0	0.00	
16:30 - 16:45	0	0	1	0	0	0	0	1	0	1.00	
16:45 - 17:00	0	0	0	0	0	0	0	0	0	0.00	
17:00 - 17:15	0	0	1	1	0	0	0	2	0	2.00	
17:15 - 17:30	0	0	0	0	0	0	0	0	0	0.00	
17:30 - 17:45	0	0	3	0	0	0	0	3	0	3.00	
17:45 - 18:00	0	0	2	0	0	0	0	2	0	2.00	
18:00 - 18:15	0	0	1	0	0	0	0	1	0	1.00	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	10	1	0	0	0	11	0	11.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	2	1	0	0	0	3	0	3.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	2	1	0	0	0	3	0	3.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.7: Arbroath Harbour to A92 (Burnside Drive) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0	0.00
07:30 - 07:45	0	0	0	0	1	0	0	1	1	1	1.50
07:45 - 08:00	0	0	1	0	1	0	0	2	1	2	2.50
08:00 - 08:15	0	0	1	1	0	0	0	2	0	2	2.00
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0	0.00
08:30 - 08:45	0	0	3	0	0	0	0	3	0	3	3.00
08:45 - 09:00	0	0	2	0	0	0	0	2	0	2	2.00
09:00 - 09:15	0	0	4	0	0	0	0	4	0	4	4.00
09:15 - 09:30	0	0	2	1	0	0	0	3	0	3	3.00
09:30 - 09:45	0	0	3	0	0	0	0	3	0	3	3.00
09:45 - 10:00	0	0	0	2	0	0	0	2	0	2	2.00
TOTAL	0	0	16	4	2	0	0	22	2	23	23.00

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	11	1	0	0	0	12	0	12.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	11	1	0	0	0	12	0	12.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	1	0	0	0	0	1	0	1	1.00
15:45 - 16:00	0	0	6	0	0	0	0	6	0	6	6.00
16:00 - 16:15	0	0	2	0	0	0	0	2	0	2	2.00
16:15 - 16:30	0	0	3	0	1	0	0	4	1	5	4.50
16:30 - 16:45	0	0	8	0	0	0	0	8	0	8	8.00
16:45 - 17:00	0	0	3	1	0	0	0	4	0	4	4.00
17:00 - 17:15	0	0	0	0	0	0	0	0	0	0	0.00
17:15 - 17:30	0	0	3	0	0	0	0	3	0	3	3.00
17:30 - 17:45	0	0	2	0	0	0	0	2	0	2	2.00
17:45 - 18:00	0	0	4	0	0	0	0	4	0	4	4.00
18:00 - 18:15	0	0	2	0	0	0	0	2	0	2	2.00
18:15 - 18:30	0	0	2	0	0	0	0	2	0	2	2.00
TOTAL	0	0	36	1	1	0	0	38	1	39	38.50

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	14	1	1	0	0	16	1	16.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	14	1	1	0	0	16	1	16.50

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.9: A92 (Ladyloan) to East Mary Street Left Turn (C-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	1	0	0	0	0	1	0	1.00	
07:30 - 07:45	0	0	0	1	0	0	0	1	0	1.00	
07:45 - 08:00	0	0	3	0	0	0	0	3	0	3.00	
08:00 - 08:15	0	0	1	0	0	0	0	1	0	1.00	
08:15 - 08:30	0	0	2	2	0	0	0	4	0	4.00	
08:30 - 08:45	0	0	10	0	0	0	0	10	0	10.00	
08:45 - 09:00	0	0	12	0	0	0	0	12	0	12.00	
09:00 - 09:15	0	0	3	0	0	0	0	3	0	3.00	
09:15 - 09:30	0	0	4	0	0	0	0	4	0	4.00	
09:30 - 09:45	0	0	7	0	0	0	0	7	0	7.00	
09:45 - 10:00	0	0	5	1	0	1	0	7	1	8.30	
TOTAL	0	0	48	4	0	1	0	53	1	54.30	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	26	0	0	0	0	26	0	26.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	26	0	0	0	0	26	0	26.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	2	2	0	0	0	4	0	4.00	
15:45 - 16:00	0	0	1	0	0	0	0	1	0	1.00	
16:00 - 16:15	0	0	2	0	0	0	0	2	0	2.00	
16:15 - 16:30	0	0	1	0	0	0	0	1	0	1.00	
16:30 - 16:45	0	0	3	0	0	0	0	3	0	3.00	
16:45 - 17:00	0	0	3	0	0	0	0	3	0	3.00	
17:00 - 17:15	0	0	1	0	0	0	0	1	0	1.00	
17:15 - 17:30	0	0	2	0	1	0	0	3	1	3.50	
17:30 - 17:45	0	0	0	0	0	0	0	0	0	0.00	
17:45 - 18:00	0	0	1	0	0	0	0	1	0	1.00	
18:00 - 18:15	0	0	3	1	0	0	0	4	0	4.00	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	19	3	1	0	0	23	1	23.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	8	0	0	0	0	8	0	8.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	8	0	0	0	0	8	0	8.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.10: A92 (Ladyloan) to A92 (Burnside Drive) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	31	8	2	2	0	43	4	46.60	
07:15 - 07:30	0	0	62	15	3	2	1	83	6	88.10	
07:30 - 07:45	0	0	70	7	1	3	2	83	6	89.40	
07:45 - 08:00	0	0	76	19	0	3	0	98	3	101.90	
08:00 - 08:15	0	0	76	15	5	3	0	99	8	105.40	
08:15 - 08:30	0	0	101	14	3	2	1	121	6	126.10	
08:30 - 08:45	0	0	102	7	2	2	0	113	4	116.60	
08:45 - 09:00	0	0	101	20	1	2	1	125	4	129.10	
09:00 - 09:15	0	0	91	13	0	1	0	105	1	106.30	
09:15 - 09:30	0	0	83	12	3	0	1	99	4	101.50	
09:30 - 09:45	0	0	77	13	5	3	0	98	8	104.40	
09:45 - 10:00	0	0	68	11	0	2	1	82	3	85.60	
TOTAL	0	0	938	154	25	25	7	1149	57	1201.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	352	58	9	6	2	427	17	441.30
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	352	58	9	6	2	427	17	441.30

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	118	17	1	1	0	137	2	138.80	
15:45 - 16:00	0	0	103	13	1	0	1	118	2	119.50	
16:00 - 16:15	0	0	94	12	0	0	1	107	1	108.00	
16:15 - 16:30	1	0	106	15	0	0	1	123	1	123.20	
16:30 - 16:45	0	0	103	14	0	1	1	119	2	121.30	
16:45 - 17:00	0	0	106	19	1	1	1	128	3	130.80	
17:00 - 17:15	0	0	99	8	2	1	1	111	4	114.30	
17:15 - 17:30	2	0	96	12	1	0	1	112	2	111.90	
17:30 - 17:45	0	0	103	6	0	1	0	110	1	111.30	
17:45 - 18:00	0	0	90	11	1	0	3	105	4	108.50	
18:00 - 18:15	0	0	75	9	0	1	0	85	1	86.30	
18:15 - 18:30	0	0	77	7	1	0	1	86	2	87.50	
TOTAL	3	0	1170	143	8	6	11	1341	25	1361.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		1	0	414	56	3	3	4	481	10	489.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		1	0	414	56	3	3	4	481	10	489.60

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.11: A92 (Ladyloan) to Arbroath Harbour Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0	0.00
07:30 - 07:45	0	0	0	0	0	0	0	0	0	0	0.00
07:45 - 08:00	0	0	1	0	0	0	0	1	0	1	1.00
08:00 - 08:15	0	0	2	0	0	0	0	2	0	2	2.00
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0	0.00
08:30 - 08:45	0	0	0	0	0	0	0	0	0	0	0.00
08:45 - 09:00	0	0	3	0	0	0	0	3	0	3	3.00
09:00 - 09:15	0	0	1	0	0	0	0	1	0	1	1.00
09:15 - 09:30	0	0	3	1	0	0	0	4	0	4	4.00
09:30 - 09:45	0	0	3	0	1	0	0	4	1	4	4.50
09:45 - 10:00	0	0	2	0	0	0	0	2	0	2	2.00
TOTAL	0	0	15	1	1	0	0	17	1	17	17.50

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	10	1	1	0	0	12	1	12.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	10	1	1	0	0	12	1	12.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	1	0	0	0	0	1	0	1	1.00
15:45 - 16:00	0	0	3	1	0	0	0	4	0	4	4.00
16:00 - 16:15	0	0	1	1	0	0	0	2	0	2	2.00
16:15 - 16:30	0	0	3	0	0	0	0	3	0	3	3.00
16:30 - 16:45	0	0	3	0	0	0	0	3	0	3	3.00
16:45 - 17:00	0	0	3	0	0	0	0	3	0	3	3.00
17:00 - 17:15	0	0	0	0	0	0	0	0	0	0	0.00
17:15 - 17:30	0	0	2	0	0	0	0	2	0	2	2.00
17:30 - 17:45	0	0	2	0	0	0	0	2	0	2	2.00
17:45 - 18:00	0	0	3	0	0	0	0	3	0	3	3.00
18:00 - 18:15	0	0	2	0	0	0	0	2	0	2	2.00
18:15 - 18:30	0	0	2	0	0	0	0	2	0	2	2.00
TOTAL	0	0	25	2	0	0	0	27	0	27	27.00

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	9	0	0	0	0	9	0	9.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	9	0	0	0	0	9	0	9.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018

Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout

Movement 8.12: A92 (Ladyloan) to A92 (Ladyloan) U-Turn (C-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0	0.00
07:30 - 07:45	0	0	0	0	0	0	0	0	0	0	0.00
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0	0.00
08:00 - 08:15	0	0	0	0	0	0	0	0	0	0	0.00
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0	0.00
08:30 - 08:45	0	0	0	0	0	0	0	0	0	0	0.00
08:45 - 09:00	0	0	1	0	0	0	0	1	0	1	1.00
09:00 - 09:15	0	0	0	0	0	0	0	0	0	0	0.00
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0	0.00
09:30 - 09:45	0	0	0	0	0	0	0	0	0	0	0.00
09:45 - 10:00	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL	0	0	1	0	0	0	0	1	0	1	1.00

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	1	0	0	0	0	1	0	1.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	1	0	0	0	0	1	0	1.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	0	0	0	0	0	0	0	0	0.00
15:45 - 16:00	0	0	0	0	0	0	0	0	0	0	0.00
16:00 - 16:15	0	0	0	0	0	0	0	0	0	0	0.00
16:15 - 16:30	0	0	0	0	0	0	0	0	0	0	0.00
16:30 - 16:45	0	0	0	0	0	0	0	0	0	0	0.00
16:45 - 17:00	0	0	3	1	0	0	0	4	0	4	4.00
17:00 - 17:15	0	0	0	0	0	0	0	0	0	0	0.00
17:15 - 17:30	0	0	0	0	0	0	0	0	0	0	0.00
17:30 - 17:45	0	0	1	1	0	0	0	2	0	2	2.00
17:45 - 18:00	0	0	0	0	0	0	0	0	0	0	0.00
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0	0.00
18:15 - 18:30	0	0	0	1	0	0	0	1	0	1	1.00
TOTAL	0	0	4	3	0	0	0	7	0	7	7.00

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	3	1	0	0	0	4	0	4.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	3	1	0	0	0	4	0	4.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.13: East Mary Street to A92 (Burnside Drive) Left Turn (D-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	1	0	4	2	0	0	0	7	0	6.20	
07:15 - 07:30	0	0	3	0	0	0	0	3	0	3.00	
07:30 - 07:45	0	0	6	0	0	0	0	6	0	6.00	
07:45 - 08:00	0	0	6	4	0	0	0	10	0	10.00	
08:00 - 08:15	0	0	6	4	0	0	0	10	0	10.00	
08:15 - 08:30	0	0	4	1	0	0	0	5	0	5.00	
08:30 - 08:45	0	0	7	2	0	0	0	9	0	9.00	
08:45 - 09:00	0	0	10	1	2	0	0	13	2	14.00	
09:00 - 09:15	0	0	12	0	0	0	0	12	0	12.00	
09:15 - 09:30	0	0	13	1	0	0	0	14	0	14.00	
09:30 - 09:45	0	0	11	0	0	0	0	11	0	11.00	
09:45 - 10:00	0	0	18	1	1	0	0	20	1	20.50	
TOTAL	1	0	100	16	3	0	0	120	3	120.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	46	2	2	0	0	50	2	51.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	46	2	2	0	0	50	2	51.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	1	0	4	2	0	0	0	7	0	6.20	
15:45 - 16:00	0	0	3	0	0	0	0	3	0	3.00	
16:00 - 16:15	0	0	6	0	0	0	0	6	0	6.00	
16:15 - 16:30	0	0	6	4	0	0	0	10	0	10.00	
16:30 - 16:45	0	0	6	4	0	0	0	10	0	10.00	
16:45 - 17:00	0	0	4	1	0	0	0	5	0	5.00	
17:00 - 17:15	0	0	7	2	0	0	0	9	0	9.00	
17:15 - 17:30	0	0	10	1	2	0	0	13	2	14.00	
17:30 - 17:45	0	0	12	0	0	0	0	12	0	12.00	
17:45 - 18:00	0	0	13	1	0	0	0	14	0	14.00	
18:00 - 18:15	0	0	11	0	0	0	0	11	0	11.00	
18:15 - 18:30	0	0	18	1	1	0	0	20	1	20.50	
TOTAL	1	0	100	16	3	0	0	120	3	120.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	23	11	0	0	0	34	0	34.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	23	11	0	0	0	34	0	34.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.14: East Mary Street to Arbroath Harbour Ahead (D-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0.00	
07:30 - 07:45	0	0	0	0	0	0	0	0	0	0.00	
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0.00	
08:00 - 08:15	0	0	1	0	0	0	0	1	0	1.00	
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0.00	
08:30 - 08:45	0	0	3	1	0	0	0	4	0	4.00	
08:45 - 09:00	0	0	0	0	0	0	0	0	0	0.00	
09:00 - 09:15	0	0	1	0	0	0	0	1	0	1.00	
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0.00	
09:30 - 09:45	0	0	2	0	0	0	0	2	0	2.00	
09:45 - 10:00	0	0	1	1	0	0	0	2	0	2.00	
TOTAL	0	0	8	2	0	0	0	10	0	10.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	3	0	0	0	0	3	0	3.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	3	0	0	0	0	3	0	3.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	1	0	0	0	0	1	0	1.00	
15:45 - 16:00	0	0	1	0	0	0	0	1	0	1.00	
16:00 - 16:15	0	0	1	0	0	0	0	1	0	1.00	
16:15 - 16:30	0	0	0	0	0	0	0	0	0	0.00	
16:30 - 16:45	0	0	1	0	0	0	0	1	0	1.00	
16:45 - 17:00	0	0	1	0	0	0	0	1	0	1.00	
17:00 - 17:15	0	0	1	0	0	0	0	1	0	1.00	
17:15 - 17:30	0	0	2	0	0	0	0	2	0	2.00	
17:30 - 17:45	0	0	2	0	0	0	0	2	0	2.00	
17:45 - 18:00	0	0	1	0	0	0	0	1	0	1.00	
18:00 - 18:15	0	0	1	0	0	0	0	1	0	1.00	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	12	0	0	0	0	12	0	12.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	3	0	0	0	0	3	0	3.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	3	0	0	0	0	3	0	3.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.15: East Mary Street to A92 (Ladyloan) Right Turn (D-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0.00	
07:15 - 07:30	0	0	2	0	0	0	0	2	0	2.00	
07:30 - 07:45	0	0	2	0	0	0	0	2	0	2.00	
07:45 - 08:00	0	0	3	1	0	0	0	4	0	4.00	
08:00 - 08:15	0	0	3	1	0	0	0	4	0	4.00	
08:15 - 08:30	0	0	2	1	0	0	0	3	0	3.00	
08:30 - 08:45	0	0	2	0	0	0	0	2	0	2.00	
08:45 - 09:00	0	0	3	1	0	0	0	4	0	4.00	
09:00 - 09:15	0	0	4	1	0	0	0	5	0	5.00	
09:15 - 09:30	0	0	1	0	0	0	0	1	0	1.00	
09:30 - 09:45	0	0	4	0	0	0	0	4	0	4.00	
09:45 - 10:00	0	0	7	0	0	0	0	7	0	7.00	
TOTAL	0	0	33	5	0	0	0	38	0	38.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	12	2	0	0	0	14	0	14.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	12	2	0	0	0	14	0	14.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	5	0	1	0	0	6	1	6.50	
15:45 - 16:00	0	0	3	1	0	0	0	4	0	4.00	
16:00 - 16:15	0	0	7	0	0	0	0	7	0	7.00	
16:15 - 16:30	0	0	5	2	0	0	0	7	0	7.00	
16:30 - 16:45	0	0	5	1	0	0	0	6	0	6.00	
16:45 - 17:00	0	0	5	0	0	0	0	5	0	5.00	
17:00 - 17:15	0	0	19	0	0	0	0	19	0	19.00	
17:15 - 17:30	0	0	8	0	0	0	0	8	0	8.00	
17:30 - 17:45	0	0	3	0	0	0	0	3	0	3.00	
17:45 - 18:00	0	0	2	0	0	0	0	2	0	2.00	
18:00 - 18:15	0	0	3	0	0	0	0	3	0	3.00	
18:15 - 18:30	0	0	6	0	0	0	0	6	0	6.00	
TOTAL	0	0	71	4	1	0	0	76	1	76.50	

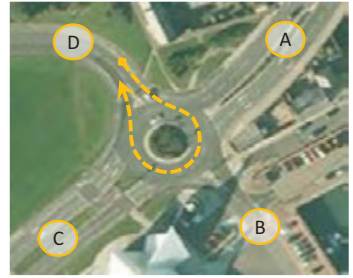
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	34	3	0	0	0	37	0	37.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	34	3	0	0	0	37	0	37.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.16: East Mary Street to East Mary Street U-Turn (D-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	1	0	0	0	0	1	0	0	1.00
07:30 - 07:45	0	0	0	0	0	0	0	0	0	0	0.00
07:45 - 08:00	0	0	0	0	0	0	0	0	0	0	0.00
08:00 - 08:15	0	0	0	0	0	0	0	0	0	0	0.00
08:15 - 08:30	0	0	0	0	0	0	0	0	0	0	0.00
08:30 - 08:45	0	0	0	0	0	0	0	0	0	0	0.00
08:45 - 09:00	0	0	0	0	0	0	0	0	0	0	0.00
09:00 - 09:15	0	0	0	0	0	0	0	0	0	0	0.00
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0	0.00
09:30 - 09:45	0	0	0	0	0	0	0	0	0	0	0.00
09:45 - 10:00	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL	0	0	1	0	0	0	0	1	0	0	1.00

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:45 - 09:45		0	0	0	0	0	0	0	0	0	0.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	0	0	0	0	0	0	0	0.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	0	0	0	0	0	0	0	0	0.00
15:45 - 16:00	0	0	0	0	0	0	0	0	0	0	0.00
16:00 - 16:15	0	0	0	0	0	0	0	0	0	0	0.00
16:15 - 16:30	0	0	1	0	0	0	0	1	0	0	1.00
16:30 - 16:45	0	0	0	0	0	0	0	0	0	0	0.00
16:45 - 17:00	0	0	0	0	0	0	0	0	0	0	0.00
17:00 - 17:15	0	0	0	0	0	0	0	0	0	0	0.00
17:15 - 17:30	0	0	1	0	0	0	0	1	0	0	1.00
17:30 - 17:45	0	0	0	0	0	0	0	0	0	0	0.00
17:45 - 18:00	0	0	0	0	0	0	0	0	0	0	0.00
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0	0.00
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL	0	0	2	0	0	0	0	2	0	0	2.00

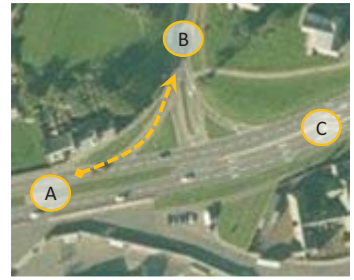
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	1	0	0	0	0	1	0	1.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	1	0	0	0	0	1	0	1.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction
 Movement 9.1: A92 (Ladyloan) to Millgate Loan Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	1	0	0	0	1	0	1.00	
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0.00	
07:30 - 07:45	0	0	2	1	0	0	0	3	0	3.00	
07:45 - 08:00	0	0	2	0	0	0	0	2	0	2.00	
08:00 - 08:15	0	0	5	2	0	0	0	7	0	7.00	
08:15 - 08:30	0	0	11	0	0	0	0	11	0	11.00	
08:30 - 08:45	0	0	11	1	0	0	0	12	0	12.00	
08:45 - 09:00	0	0	13	4	0	0	0	17	0	17.00	
09:00 - 09:15	0	0	5	1	0	0	0	6	0	6.00	
09:15 - 09:30	0	0	6	0	0	0	0	6	0	6.00	
09:30 - 09:45	0	0	2	1	0	0	0	3	0	3.00	
09:45 - 10:00	0	0	6	1	0	0	0	7	0	7.00	
TOTAL	0	0	63	12	0	0	0	75	0	75.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		0	0	40	7	0	0	0	47	0	47.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	26	6	0	0	0	32	0	32.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	3	0	0	0	0	3	0	3.00	
15:45 - 16:00	0	0	14	0	0	0	0	14	0	14.00	
16:00 - 16:15	0	0	8	1	0	0	0	9	0	9.00	
16:15 - 16:30	0	0	4	0	0	0	0	4	0	4.00	
16:30 - 16:45	0	0	5	1	0	0	0	6	0	6.00	
16:45 - 17:00	0	0	9	1	0	0	0	10	0	10.00	
17:00 - 17:15	0	0	5	1	0	0	0	6	0	6.00	
17:15 - 17:30	0	0	6	1	0	0	0	7	0	7.00	
17:30 - 17:45	0	0	9	0	0	0	0	9	0	9.00	
17:45 - 18:00	0	0	8	1	0	0	0	9	0	9.00	
18:00 - 18:15	0	0	5	0	0	0	0	5	0	5.00	
18:15 - 18:30	0	0	2	0	0	0	0	2	0	2.00	
TOTAL	0	0	78	6	0	0	0	84	0	84.00	

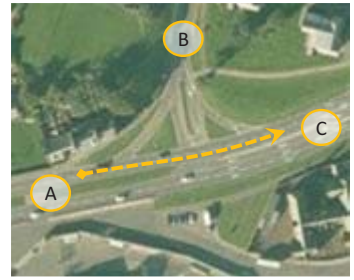
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	23	3	0	0	0	26	0	26.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	23	3	0	0	0	26	0	26.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction
 Movement 9.2: A92 (Ladyloan) to A92 (Dundee Road) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	31	6	1	2	0	40	3	43.10	
07:15 - 07:30	0	0	61	17	2	1	1	82	4	85.30	
07:30 - 07:45	0	0	72	6	1	3	2	84	6	90.40	
07:45 - 08:00	0	0	86	17	0	3	0	106	3	109.90	
08:00 - 08:15	0	0	80	16	4	3	0	103	7	108.90	
08:15 - 08:30	0	0	106	15	1	4	1	127	6	133.70	
08:30 - 08:45	0	0	114	6	0	3	0	123	3	126.90	
08:45 - 09:00	0	0	107	20	1	1	1	130	3	132.80	
09:00 - 09:15	0	0	90	16	0	0	0	106	0	106.00	
09:15 - 09:30	0	0	94	16	1	0	1	112	2	113.50	
09:30 - 09:45	0	0	83	12	4	4	0	103	8	110.20	
09:45 - 10:00	0	0	75	11	1	3	1	91	5	96.40	
TOTAL	0	0	999	158	16	27	7	1207	50	1257.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		0	0	407	57	6	11	2	483	19	502.30
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	374	64	6	5	2	451	13	462.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	117	18	1	1	0	137	2	138.80	
15:45 - 16:00	0	0	111	13	0	1	1	126	2	128.30	
16:00 - 16:15	0	0	92	11	0	0	1	104	1	105.00	
16:15 - 16:30	1	0	108	11	0	0	1	121	1	121.20	
16:30 - 16:45	0	0	114	12	0	1	1	128	2	130.30	
16:45 - 17:00	0	0	103	19	1	1	0	124	2	125.80	
17:00 - 17:15	0	0	90	9	0	1	1	101	2	103.30	
17:15 - 17:30	1	0	105	10	0	0	1	117	1	117.20	
17:30 - 17:45	0	0	105	6	0	1	0	112	1	113.30	
17:45 - 18:00	0	0	86	11	0	0	2	99	2	101.00	
18:00 - 18:15	0	0	79	9	0	1	0	89	1	90.30	
18:15 - 18:30	0	0	80	6	1	0	1	88	2	89.50	
TOTAL	2	0	1190	135	3	7	9	1346	19	1364.00	

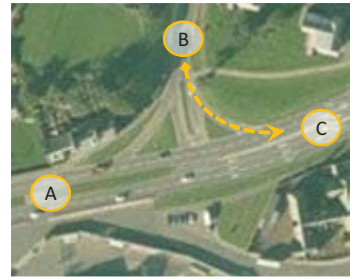
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		1	0	415	51	1	3	3	474	7	480.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		1	0	415	51	1	3	3	474	7	480.60

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction
 Movement 9.3: Millgate Loan to A92 (Dundee Road) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	2	0	0	0	0	2	0	2.00	
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0.00	
07:30 - 07:45	0	0	0	0	0	0	0	0	0	0.00	
07:45 - 08:00	0	0	0	1	0	0	0	1	0	1.00	
08:00 - 08:15	0	0	0	0	0	0	0	0	0	0.00	
08:15 - 08:30	0	0	2	0	0	0	0	2	0	2.00	
08:30 - 08:45	0	0	4	0	0	0	0	4	0	4.00	
08:45 - 09:00	0	0	12	0	0	0	0	12	0	12.00	
09:00 - 09:15	0	0	7	0	1	0	0	8	1	8.50	
09:15 - 09:30	0	0	0	0	0	0	0	0	0	0.00	
09:30 - 09:45	0	0	4	0	0	0	0	4	0	4.00	
09:45 - 10:00	0	0	1	1	0	0	0	2	0	2.00	
TOTAL	0	0	32	2	1	0	0	35	1	35.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		0	0	18	0	0	0	0	18	0	18.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	23	0	1	0	0	24	1	24.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	8	0	0	0	0	8	0	8.00	
15:45 - 16:00	0	0	3	0	0	0	0	3	0	3.00	
16:00 - 16:15	0	0	3	0	0	0	0	3	0	3.00	
16:15 - 16:30	0	0	4	0	0	0	0	4	0	4.00	
16:30 - 16:45	0	0	5	2	0	0	0	7	0	7.00	
16:45 - 17:00	0	0	3	0	0	0	0	3	0	3.00	
17:00 - 17:15	0	0	5	0	0	0	0	5	0	5.00	
17:15 - 17:30	0	0	3	1	0	0	0	4	0	4.00	
17:30 - 17:45	0	0	4	1	1	0	0	6	1	6.50	
17:45 - 18:00	0	0	6	1	0	0	0	7	0	7.00	
18:00 - 18:15	0	0	5	1	0	0	0	6	0	6.00	
18:15 - 18:30	0	0	2	2	0	0	0	4	0	4.00	
TOTAL	0	0	51	8	1	0	0	60	1	60.50	

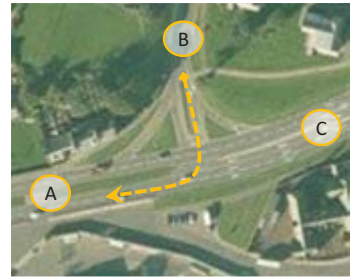
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	17	2	0	0	0	19	0	19.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	17	2	0	0	0	19	0	19.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction
 Movement 9.4: Millgate Loan to A92 (Ladyloan) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	3	1	0	0	0	4	0	4.00	
07:15 - 07:30	0	0	2	2	0	0	0	4	0	4.00	
07:30 - 07:45	0	0	4	0	0	0	0	4	0	4.00	
07:45 - 08:00	0	0	4	1	1	0	0	6	1	6.50	
08:00 - 08:15	0	0	5	1	0	0	0	6	0	6.00	
08:15 - 08:30	0	0	6	1	0	0	0	7	0	7.00	
08:30 - 08:45	0	0	7	0	1	0	0	8	1	8.50	
08:45 - 09:00	0	0	7	0	0	0	0	7	0	7.00	
09:00 - 09:15	0	0	8	2	0	0	0	10	0	10.00	
09:15 - 09:30	0	0	4	0	0	0	0	4	0	4.00	
09:30 - 09:45	1	0	3	2	0	0	0	6	0	5.20	
09:45 - 10:00	0	0	8	0	0	0	0	8	0	8.00	
TOTAL	1	0	61	10	2	0	0	74	2	74.20	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		0	0	25	2	1	0	0	28	1	28.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		1	0	22	4	0	0	0	27	0	26.20

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	6	2	0	0	0	8	0	8.00	
15:45 - 16:00	0	0	7	0	0	0	0	7	0	7.00	
16:00 - 16:15	0	0	5	5	1	0	0	11	1	11.50	
16:15 - 16:30	0	0	4	0	0	0	0	4	0	4.00	
16:30 - 16:45	0	0	5	1	0	0	0	6	0	6.00	
16:45 - 17:00	0	0	10	0	0	0	0	10	0	10.00	
17:00 - 17:15	0	0	17	2	0	0	0	19	0	19.00	
17:15 - 17:30	0	0	6	2	0	0	0	8	0	8.00	
17:30 - 17:45	0	0	5	2	0	0	0	7	0	7.00	
17:45 - 18:00	0	0	1	0	0	0	0	1	0	1.00	
18:00 - 18:15	0	0	11	1	0	0	0	12	0	12.00	
18:15 - 18:30	0	0	8	0	0	0	0	8	0	8.00	
TOTAL	0	0	85	15	1	0	0	101	1	101.50	

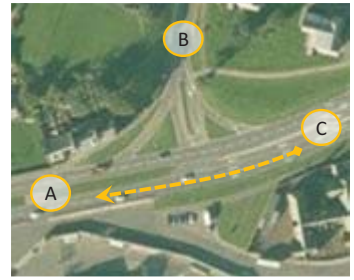
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	36	3	0	0	0	39	0	39.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	36	3	0	0	0	39	0	39.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction
 Movement 9.5: A92 (Dundee Road) to A92 (Ladyloan) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	43	15	1	0	1	60	2	61.50	
07:15 - 07:30	0	0	88	10	1	1	0	100	2	101.80	
07:30 - 07:45	0	0	94	18	2	0	5	119	7	125.00	
07:45 - 08:00	0	0	87	9	0	3	1	100	4	104.90	
08:00 - 08:15	0	0	89	10	5	0	0	104	5	106.50	
08:15 - 08:30	0	0	77	16	2	3	0	98	5	102.90	
08:30 - 08:45	0	0	50	5	0	0	1	56	1	57.00	
08:45 - 09:00	0	0	73	15	2	2	0	92	4	95.60	
09:00 - 09:15	0	0	62	14	3	0	1	80	4	82.50	
09:15 - 09:30	0	1	72	10	5	0	1	89	6	91.90	
09:30 - 09:45	0	0	61	12	0	3	2	78	5	83.90	
09:45 - 10:00	1	1	61	13	1	1	0	78	2	78.40	
TOTAL	1	2	857	147	22	13	12	1054	47	1091.90	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		0	0	289	46	9	5	1	350	15	362.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	268	51	10	5	4	339	19	353.90

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	96	13	0	0	1	110	1	111.00	
15:45 - 16:00	0	0	96	18	2	1	0	117	3	119.30	
16:00 - 16:15	0	0	106	17	0	0	1	124	1	125.00	
16:15 - 16:30	0	0	133	25	0	0	0	158	0	158.00	
16:30 - 16:45	0	0	111	24	0	0	2	137	2	139.00	
16:45 - 17:00	0	0	139	16	0	2	1	158	3	161.60	
17:00 - 17:15	0	0	209	10	2	0	0	221	2	222.00	
17:15 - 17:30	0	1	120	14	1	0	2	138	3	139.90	
17:30 - 17:45	0	0	110	5	0	1	1	117	2	119.30	
17:45 - 18:00	0	0	81	7	0	0	0	88	0	88.00	
18:00 - 18:15	0	1	91	8	1	0	2	103	3	104.90	
18:15 - 18:30	0	0	76	7	1	0	1	85	2	86.50	
TOTAL	0	2	1368	164	7	4	11	1556	22	1574.50	

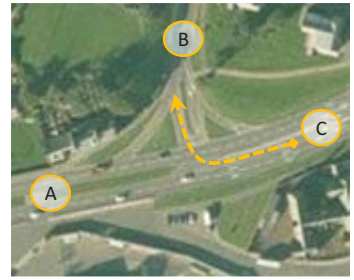
PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	592	75	2	2	3	674	7	680.60
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	592	75	2	2	3	674	7	680.60

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction
 Movement 9.6: A92 (Dundee Road) to Millgate Loan Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	0	0	0	0	0	0	0	0	0.00
07:15 - 07:30	0	0	0	0	0	0	0	0	0	0	0.00
07:30 - 07:45	0	0	0	0	0	0	0	0	0	0	0.00
07:45 - 08:00	0	0	1	0	0	0	0	1	0	1	1.00
08:00 - 08:15	0	0	0	0	0	0	0	0	0	0	0.00
08:15 - 08:30	0	0	1	1	0	0	0	2	0	2	2.00
08:30 - 08:45	0	0	5	0	0	0	0	5	0	5	5.00
08:45 - 09:00	0	0	4	0	0	0	0	4	0	4	4.00
09:00 - 09:15	0	0	3	0	0	0	0	3	0	3	3.00
09:15 - 09:30	0	0	1	1	0	0	0	2	0	2	2.00
09:30 - 09:45	0	0	1	0	0	0	0	1	0	1	1.00
09:45 - 10:00	0	0	3	0	0	0	0	3	0	3	3.00
TOTAL	0	0	19	2	0	0	0	21	0	21	21.00

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		0	0	10	1	0	0	0	11	0	11.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	9	1	0	0	0	10	0	10.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	3	0	0	0	0	3	0	3	3.00
15:45 - 16:00	0	0	2	0	0	0	0	2	0	2	2.00
16:00 - 16:15	0	0	1	0	0	0	0	1	0	1	1.00
16:15 - 16:30	0	0	2	1	0	0	1	4	1	5	5.00
16:30 - 16:45	0	0	4	0	0	0	0	4	0	4	4.00
16:45 - 17:00	0	0	3	0	0	0	0	3	0	3	3.00
17:00 - 17:15	0	0	4	0	0	0	1	5	1	6	6.00
17:15 - 17:30	0	0	2	0	0	0	0	2	0	2	2.00
17:30 - 17:45	0	0	0	1	0	0	0	1	0	1	1.00
17:45 - 18:00	0	0	3	0	0	0	0	3	0	3	3.00
18:00 - 18:15	0	0	2	1	0	0	0	3	0	3	3.00
18:15 - 18:30	0	0	3	1	0	0	0	4	0	4	4.00
TOTAL	0	0	29	4	0	0	2	35	2	37	37.00

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:15 - 17:15		0	0	13	1	0	0	2	16	2	18.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	13	1	0	0	2	16	2	18.00

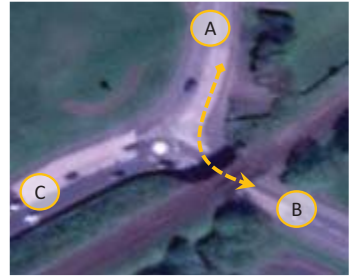
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.1: B964 to A92 (Dundee Road) (East) Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	1	0	0	0	0	1	0	1.00	
07:15 - 07:30	0	0	2	0	0	0	0	2	0	2.00	
07:30 - 07:45	0	0	3	0	0	0	0	3	0	3.00	
07:45 - 08:00	0	0	5	1	0	0	0	6	0	6.00	
08:00 - 08:15	0	0	2	0	0	0	0	2	0	2.00	
08:15 - 08:30	0	0	3	0	0	0	0	3	0	3.00	
08:30 - 08:45	0	0	8	1	0	0	0	9	0	9.00	
08:45 - 09:00	0	0	15	0	1	0	0	16	1	16.50	
09:00 - 09:15	0	0	12	1	0	0	0	13	0	13.00	
09:15 - 09:30	0	0	7	0	0	0	0	7	0	7.00	
09:30 - 09:45	0	0	6	0	0	0	0	6	0	6.00	
09:45 - 10:00	0	0	10	0	0	0	0	10	0	10.00	
TOTAL	0	0	74	3	1	0	0	78	1	78.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		0	0	28	1	1	0	0	30	1	30.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	40	1	1	0	0	42	1	42.50

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	9	1	0	0	0	10	0	10.00	
15:45 - 16:00	0	0	13	1	0	0	0	14	0	14.00	
16:00 - 16:15	0	0	12	1	0	0	0	13	0	13.00	
16:15 - 16:30	0	0	5	2	0	0	0	7	0	7.00	
16:30 - 16:45	0	0	7	0	0	0	0	7	0	7.00	
16:45 - 17:00	0	0	8	0	1	0	0	9	1	9.50	
17:00 - 17:15	0	0	7	0	0	0	0	7	0	7.00	
17:15 - 17:30	0	0	4	1	0	0	0	5	0	5.00	
17:30 - 17:45	0	0	7	0	0	0	0	7	0	7.00	
17:45 - 18:00	0	0	8	0	0	0	0	8	0	8.00	
18:00 - 18:15	0	0	4	0	0	0	0	4	0	4.00	
18:15 - 18:30	0	0	7	0	0	0	0	7	0	7.00	
TOTAL	0	0	91	6	1	0	0	98	1	98.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	26	1	1	0	0	28	1	28.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	27	2	1	0	0	30	1	30.50

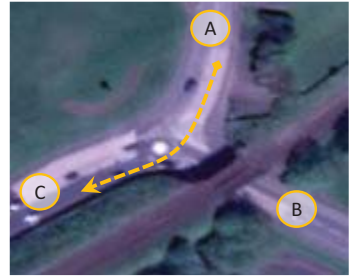
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.2: B964 to A92 (Dundee Road) (West) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	17	4	0	0	0	21	0	21.00	
07:15 - 07:30	0	0	16	0	0	0	0	16	0	16.00	
07:30 - 07:45	0	0	23	8	0	0	0	31	0	31.00	
07:45 - 08:00	1	0	32	5	0	0	1	39	1	39.20	
08:00 - 08:15	0	0	32	1	1	0	0	34	1	34.50	
08:15 - 08:30	0	0	25	3	0	0	0	28	0	28.00	
08:30 - 08:45	0	0	23	3	1	0	0	27	1	27.50	
08:45 - 09:00	1	0	26	2	0	0	0	29	0	28.20	
09:00 - 09:15	0	0	14	1	1	0	0	16	1	16.50	
09:15 - 09:30	0	0	13	4	0	0	0	17	0	17.00	
09:30 - 09:45	0	0	24	2	1	0	0	27	1	27.50	
09:45 - 10:00	0	0	19	3	0	0	0	22	0	22.00	
TOTAL	2	0	264	36	4	0	1	307	5	308.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		1	0	106	9	2	0	0	118	2	118.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		1	0	77	9	2	0	0	89	2	89.20

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	25	2	2	0	0	29	2	30.00	
15:45 - 16:00	0	0	27	2	1	0	0	30	1	30.50	
16:00 - 16:15	0	1	48	2	0	0	0	51	0	50.40	
16:15 - 16:30	0	0	21	6	2	0	0	29	2	30.00	
16:30 - 16:45	0	0	53	6	0	0	0	59	0	59.00	
16:45 - 17:00	1	0	28	3	0	0	0	32	0	31.20	
17:00 - 17:15	0	0	36	3	0	0	0	39	0	39.00	
17:15 - 17:30	0	0	27	3	0	0	0	30	0	30.00	
17:30 - 17:45	0	0	31	0	0	0	0	31	0	31.00	
17:45 - 18:00	0	0	19	1	0	0	0	20	0	20.00	
18:00 - 18:15	1	0	17	1	0	0	0	19	0	18.20	
18:15 - 18:30	0	0	15	0	0	0	0	15	0	15.00	
TOTAL	2	1	347	29	5	0	0	384	5	384.30	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		1	0	144	15	0	0	0	160	0	159.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		1	0	138	18	2	0	0	159	2	159.20

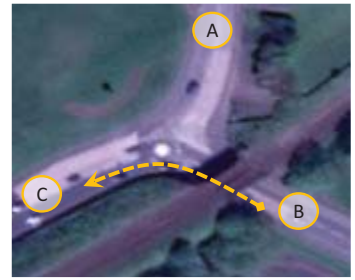
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.4: A92 (Dundee Street) (East) to A92 (Dundee Street) (West) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	45	20	1	0	1	67	2	68.50	
07:15 - 07:30	0	0	81	15	2	1	0	99	3	101.30	
07:30 - 07:45	0	0	94	21	2	0	5	122	7	128.00	
07:45 - 08:00	1	0	87	11	1	3	0	103	4	106.60	
08:00 - 08:15	0	0	84	7	5	0	1	97	6	100.50	
08:15 - 08:30	0	0	81	19	3	3	0	106	6	111.40	
08:30 - 08:45	0	0	56	3	2	0	1	62	3	64.00	
08:45 - 09:00	0	0	76	14	0	3	0	93	3	96.90	
09:00 - 09:15	0	0	60	14	1	1	1	77	3	79.80	
09:15 - 09:30	0	1	73	10	2	0	1	87	3	88.40	
09:30 - 09:45	0	0	49	14	1	2	2	68	5	73.10	
09:45 - 10:00	2	1	69	10	1	1	0	84	2	83.60	
TOTAL	3	2	855	158	21	14	12	1065	47	1102.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		0	0	297	43	10	6	2	358	18	372.80
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	1	258	52	4	6	4	325	14	338.20

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	104	10	2	0	1	117	3	119.00	
15:45 - 16:00	0	0	98	14	4	1	0	117	5	120.30	
16:00 - 16:15	0	0	106	20	2	0	1	129	3	131.00	
16:15 - 16:30	0	0	132	20	0	0	1	153	1	154.00	
16:30 - 16:45	0	0	117	22	1	0	2	142	3	144.50	
16:45 - 17:00	0	0	128	14	0	2	1	145	3	148.60	
17:00 - 17:15	0	0	216	9	2	0	0	227	2	228.00	
17:15 - 17:30	0	1	133	8	1	0	2	145	3	146.90	
17:30 - 17:45	0	0	118	7	0	1	1	127	2	129.30	
17:45 - 18:00	0	0	73	7	0	0	0	80	0	80.00	
18:00 - 18:15	1	0	96	5	1	0	1	104	2	104.70	
18:15 - 18:30	0	0	78	4	1	0	2	85	3	87.50	
TOTAL	1	1	1399	140	14	4	12	1571	30	1593.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	1	594	53	4	2	5	659	11	668.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	593	65	3	2	4	667	9	675.10

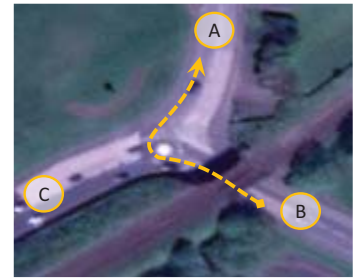
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.5: A92 (Dundee Street) (East) to B964 Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	1	0	0	0	0	1	0	1.00	
07:15 - 07:30	0	0	4	1	0	0	0	5	0	5.00	
07:30 - 07:45	0	0	2	0	0	0	0	2	0	2.00	
07:45 - 08:00	0	0	6	1	0	0	0	7	0	7.00	
08:00 - 08:15	0	0	3	2	0	0	0	5	0	5.00	
08:15 - 08:30	0	0	7	1	0	0	0	8	0	8.00	
08:30 - 08:45	0	0	3	0	0	0	0	3	0	3.00	
08:45 - 09:00	0	0	6	0	0	0	0	6	0	6.00	
09:00 - 09:15	0	0	9	1	0	0	0	10	0	10.00	
09:15 - 09:30	0	0	7	0	0	0	0	7	0	7.00	
09:30 - 09:45	0	0	7	0	0	0	0	7	0	7.00	
09:45 - 10:00	0	0	10	1	0	0	0	11	0	11.00	
TOTAL	0	0	65	7	0	0	0	72	0	72.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		0	0	19	3	0	0	0	22	0	22.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	29	1	0	0	0	30	0	30.00

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	6	1	0	0	0	7	0	7.00	
15:45 - 16:00	0	0	7	0	0	0	0	7	0	7.00	
16:00 - 16:15	0	0	6	1	0	0	0	7	0	7.00	
16:15 - 16:30	0	0	4	1	0	0	0	5	0	5.00	
16:30 - 16:45	0	0	8	2	0	0	0	10	0	10.00	
16:45 - 17:00	0	0	11	0	0	0	0	11	0	11.00	
17:00 - 17:15	0	0	12	3	0	0	0	15	0	15.00	
17:15 - 17:30	0	0	1	2	0	0	0	3	0	3.00	
17:30 - 17:45	0	0	10	2	0	0	0	12	0	12.00	
17:45 - 18:00	0	0	6	0	0	0	0	6	0	6.00	
18:00 - 18:15	0	0	9	0	0	0	0	9	0	9.00	
18:15 - 18:30	0	0	6	0	0	0	0	6	0	6.00	
TOTAL	0	0	86	12	0	0	0	98	0	98.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		0	0	32	7	0	0	0	39	0	39.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		0	0	35	6	0	0	0	41	0	41.00

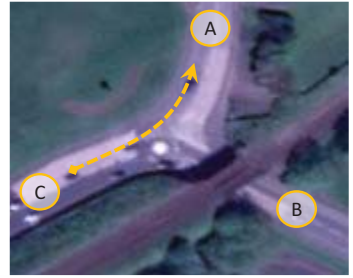
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.7: A92 (Dundee Street) (West) to B964 Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	9	0	0	0	0	9	0	9.00	
07:15 - 07:30	0	0	13	1	0	0	0	14	0	14.00	
07:30 - 07:45	0	0	17	1	1	0	0	19	1	19.50	
07:45 - 08:00	0	0	20	2	0	0	0	22	0	22.00	
08:00 - 08:15	0	0	18	2	0	0	0	20	0	20.00	
08:15 - 08:30	0	0	45	5	0	0	0	50	0	50.00	
08:30 - 08:45	0	0	57	4	0	0	0	61	0	61.00	
08:45 - 09:00	0	0	65	2	0	1	0	68	1	69.30	
09:00 - 09:15	0	0	39	4	0	0	0	43	0	43.00	
09:15 - 09:30	0	0	23	2	0	0	0	25	0	25.00	
09:30 - 09:45	2	0	13	1	0	0	1	17	1	16.40	
09:45 - 10:00	0	0	14	2	1	0	0	17	1	17.50	
TOTAL	2	0	333	26	2	1	1	365	4	366.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		0	0	185	13	0	1	0	199	1	200.30
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		2	0	140	9	0	1	1	153	2	153.70

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	1	0	28	0	0	0	0	29	0	28.20	
15:45 - 16:00	0	0	33	4	1	0	0	38	1	38.50	
16:00 - 16:15	0	0	17	3	0	0	1	21	1	22.00	
16:15 - 16:30	1	0	19	3	0	0	0	23	0	22.20	
16:30 - 16:45	1	0	16	6	0	0	0	23	0	22.20	
16:45 - 17:00	0	0	31	1	1	0	1	34	2	35.50	
17:00 - 17:15	0	0	24	2	0	0	0	26	0	26.00	
17:15 - 17:30	0	0	30	3	0	0	0	33	0	33.00	
17:30 - 17:45	0	0	29	2	0	0	0	31	0	31.00	
17:45 - 18:00	0	0	28	0	0	0	0	28	0	28.00	
18:00 - 18:15	0	0	22	0	0	0	1	23	1	24.00	
18:15 - 18:30	1	0	25	1	0	0	0	27	0	26.20	
TOTAL	4	0	302	25	2	0	3	336	5	336.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		1	0	101	12	1	0	1	116	2	116.70
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		2	0	90	12	1	0	1	106	2	105.90

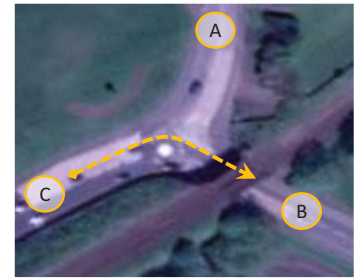
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.8: A92 (Dundee Street) (West) to A92 (Dundee Street) (East) Right Turn (C-B)

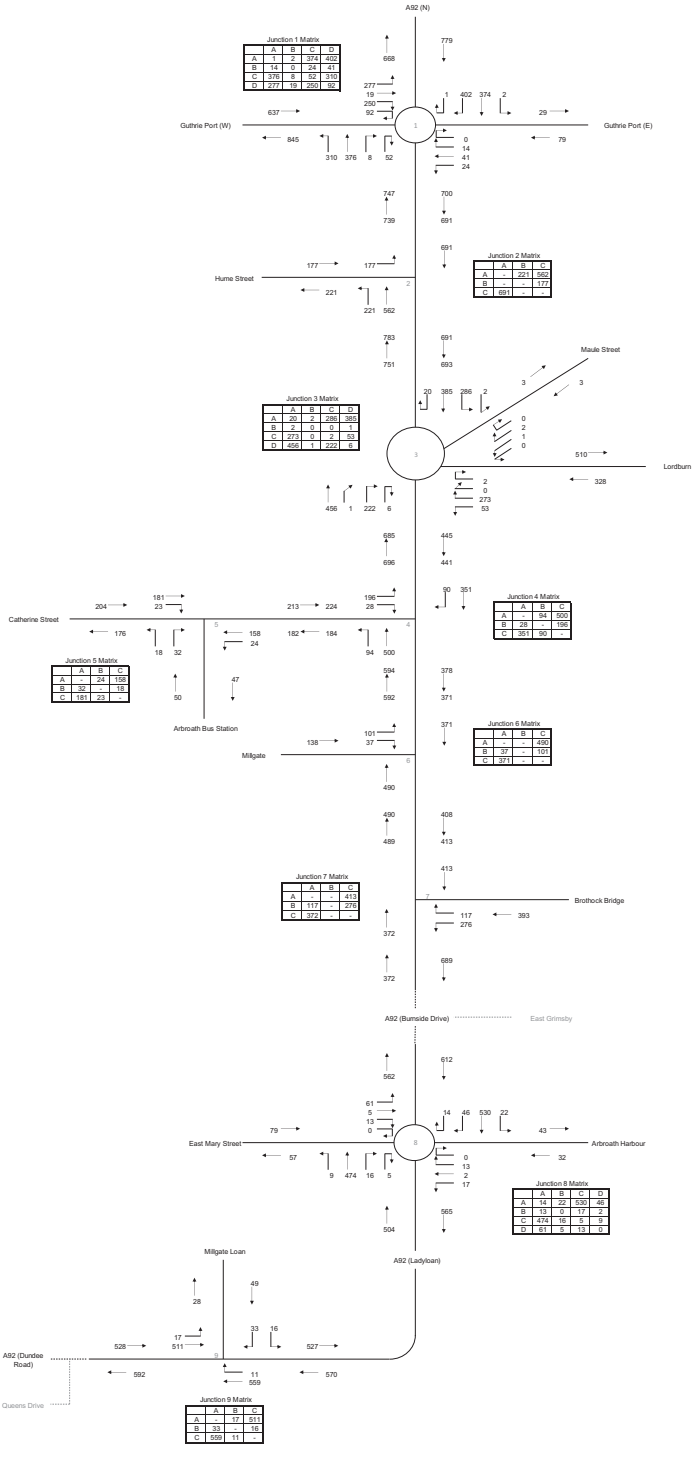


TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
07:00 - 07:15	0	0	26	11	1	2	0	40	3	43.10	
07:15 - 07:30	1	0	65	13	4	0	1	84	5	86.20	
07:30 - 07:45	0	0	68	8	2	2	2	82	6	87.60	
07:45 - 08:00	0	0	77	22	0	3	0	102	3	105.90	
08:00 - 08:15	1	0	86	16	6	3	0	112	9	118.10	
08:15 - 08:30	0	0	115	15	4	3	1	138	8	144.90	
08:30 - 08:45	0	0	115	7	1	2	0	125	3	128.10	
08:45 - 09:00	0	0	113	23	1	1	1	139	3	141.80	
09:00 - 09:15	0	0	84	12	0	0	0	96	0	96.00	
09:15 - 09:30	0	0	99	13	3	0	1	116	4	118.50	
09:30 - 09:45	0	0	73	13	9	2	0	97	11	104.10	
09:45 - 10:00	0	0	82	10	4	1	1	98	6	102.30	
TOTAL	2	0	1003	163	35	19	7	1229	61	1276.60	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
08:00 - 09:00		1	0	429	61	12	9	2	514	23	532.90
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
08:45 - 09:45		0	0	369	61	13	3	2	448	18	460.40

TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
15:30 - 15:45	0	0	113	14	2	1	0	130	3	132.30	
15:45 - 16:00	0	0	109	8	1	1	1	120	3	122.80	
16:00 - 16:15	0	0	87	13	0	0	1	101	1	102.00	
16:15 - 16:30	1	0	99	14	0	0	1	115	1	115.20	
16:30 - 16:45	0	0	112	14	0	1	1	128	2	130.30	
16:45 - 17:00	0	0	99	19	0	1	1	120	2	122.30	
17:00 - 17:15	1	0	91	8	2	1	1	104	4	106.50	
17:15 - 17:30	1	0	107	9	1	0	1	119	2	119.70	
17:30 - 17:45	0	0	103	6	0	1	0	110	1	111.30	
17:45 - 18:00	0	0	93	10	1	0	2	106	3	108.50	
18:00 - 18:15	0	0	78	9	0	1	0	88	1	89.30	
18:15 - 18:30	0	0	75	5	2	0	1	83	3	85.00	
TOTAL	3	0	1166	129	9	7	10	1324	26	1345.20	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
	JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30		2	0	409	50	3	3	4	471	10	478.80
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
16:15 - 17:15		2	0	401	55	2	3	4	467	9	474.30



Peak Hour
Saturday Hour
Veh Classification
Date: 10th February 2018

For illustrative purposes only, please refer to data sheets for individual traffic movements.

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.1: A92 to Guthrie Port (East) Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0.00	
11:45 - 12:00	0	0	2	0	0	0	0	2	0	2.00	
12:00 - 12:15	0	0	1	0	0	0	0	1	0	1.00	
12:15 - 12:30	0	0	0	0	0	0	0	0	0	0.00	
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0.00	
12:45 - 13:00	0	0	2	0	0	0	0	2	0	2.00	
13:00 - 13:15	0	0	0	0	0	0	0	0	0	0.00	
13:15 - 13:30	0	0	2	0	0	0	0	2	0	2.00	
13:30 - 13:45	0	0	3	0	0	0	0	3	0	3.00	
13:45 - 14:00	0	0	1	0	0	0	0	1	0	1.00	
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0.00	
14:15 - 14:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	11	0	0	0	0	11	0	11.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	3	0	0	0	0	3	0	3.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	2	0	0	0	0	2	0	2.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.2: A92 to A92 (Burnside Drive) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	77	8	0	2	0	87	2	89.60	
11:45 - 12:00	0	0	81	5	0	1	1	88	2	90.30	
12:00 - 12:15	0	0	84	5	1	1	2	93	4	96.80	
12:15 - 12:30	0	0	92	2	1	0	0	95	1	95.50	
12:30 - 12:45	0	0	77	11	0	0	1	89	1	90.00	
12:45 - 13:00	0	0	81	5	3	0	1	90	4	92.50	
13:00 - 13:15	0	0	89	5	0	0	1	95	1	96.00	
13:15 - 13:30	0	0	70	6	2	0	0	78	2	79.00	
13:30 - 13:45	0	0	68	8	0	0	1	77	1	78.00	
13:45 - 14:00	0	0	82	5	0	0	1	88	1	89.00	
14:00 - 14:15	0	0	64	7	1	0	1	73	2	74.50	
14:15 - 14:30	0	0	77	5	1	0	1	84	2	85.50	
TOTAL	0	0	942	72	9	4	10	1037	23	1056.70	

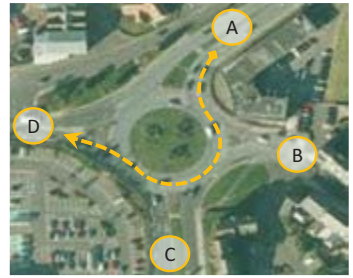
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	334	20	2	4	3	363	9	372.20	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	339	23	4	0	3	369	7	374.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.3: A92 to Guthrie Port (West) Right Turn (A-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	98	6	1	0	0	105	1	105.50	
11:45 - 12:00	0	0	90	4	0	0	0	94	0	94.00	
12:00 - 12:15	0	0	95	7	0	0	0	102	0	102.00	
12:15 - 12:30	0	0	87	8	1	1	0	97	2	98.80	
12:30 - 12:45	0	0	67	6	4	2	0	79	6	83.60	
12:45 - 13:00	0	0	110	2	0	0	0	112	0	112.00	
13:00 - 13:15	0	1	100	6	1	0	0	108	1	107.90	
13:15 - 13:30	0	0	81	8	0	0	0	89	0	89.00	
13:30 - 13:45	0	0	77	10	0	0	0	87	0	87.00	
13:45 - 14:00	0	0	84	7	1	1	0	93	2	94.80	
14:00 - 14:15	0	2	70	9	0	0	0	81	0	79.80	
14:15 - 14:30	0	0	89	3	0	0	0	92	0	92.00	
TOTAL	0	3	1048	76	8	4	0	1139	12	1146.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	370	25	2	1	0	398	3	400.30	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	1	364	22	6	3	0	396	9	402.30	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.4: A92 to A92 U-Turn (A-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	2	0	0	0	0	2	0	2.00	
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0.00	
12:00 - 12:15	0	0	1	0	0	0	0	1	0	1.00	
12:15 - 12:30	0	0	0	0	0	0	0	0	0	0.00	
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0.00	
12:45 - 13:00	0	0	1	0	0	0	0	1	0	1.00	
13:00 - 13:15	0	0	0	0	0	0	0	0	0	0.00	
13:15 - 13:30	0	0	1	0	0	0	0	1	0	1.00	
13:30 - 13:45	0	0	0	0	0	0	0	0	0	0.00	
13:45 - 14:00	0	0	0	0	0	0	0	0	0	0.00	
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0.00	
14:15 - 14:30	0	0	2	0	0	0	0	2	0	2.00	
TOTAL	0	0	7	0	0	0	0	7	0	7.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	3	0	0	0	0	3	0	3.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	1	0	0	0	0	1	0	1.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.5: Guthrie Port (East) to A92 (Burnside Drive) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	2	0	0	0	0	2	0	2.00	
11:45 - 12:00	0	0	2	1	0	0	0	3	0	3.00	
12:00 - 12:15	0	0	11	1	0	0	0	12	0	12.00	
12:15 - 12:30	0	0	2	0	0	0	0	2	0	2.00	
12:30 - 12:45	0	0	4	1	0	0	0	5	0	5.00	
12:45 - 13:00	0	0	9	0	0	0	0	9	0	9.00	
13:00 - 13:15	0	0	8	0	0	0	0	8	0	8.00	
13:15 - 13:30	0	0	3	1	0	0	0	4	0	4.00	
13:30 - 13:45	0	0	2	1	0	0	0	3	0	3.00	
13:45 - 14:00	0	0	5	0	0	0	0	5	0	5.00	
14:00 - 14:15	0	0	5	1	0	0	0	6	0	6.00	
14:15 - 14:30	0	0	4	0	0	0	0	4	0	4.00	
TOTAL	0	0	57	6	0	0	0	63	0	63.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	17	2	0	0	0	19	0	19.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	23	1	0	0	0	24	0	24.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

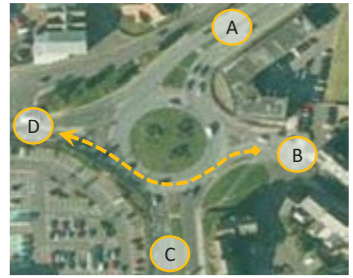
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.6: Guthrie Port (East) to Guthrie Port (West) Ahead (B-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	13	0	0	0	0	13	0	13.00	
11:45 - 12:00	0	0	9	1	0	0	0	10	0	10.00	
12:00 - 12:15	0	0	13	1	0	0	0	14	0	14.00	
12:15 - 12:30	1	0	11	0	1	0	0	13	1	12.70	
12:30 - 12:45	0	0	10	0	0	0	0	10	0	10.00	
12:45 - 13:00	0	0	6	1	0	0	0	7	0	7.00	
13:00 - 13:15	0	0	10	1	0	0	0	11	0	11.00	
13:15 - 13:30	0	0	9	0	0	0	0	9	0	9.00	
13:30 - 13:45	0	0	7	0	0	0	0	7	0	7.00	
13:45 - 14:00	0	0	5	1	0	0	0	6	0	6.00	
14:00 - 14:15	0	0	6	0	0	0	0	6	0	6.00	
14:15 - 14:30	2	0	7	2	0	0	0	11	0	9.40	
TOTAL	3	0	106	7	1	0	0	117	1	115.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	1	0	46	2	1	0	0	50	1	49.70	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	1	0	37	2	1	0	0	41	1	40.70	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.7: Guthrie Port (East) to A92 Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	2	1	0	0	0	3	0	3.00	
11:45 - 12:00	0	0	2	0	0	0	0	2	0	2.00	
12:00 - 12:15	0	0	7	0	0	0	0	7	0	7.00	
12:15 - 12:30	0	0	3	0	0	0	0	3	0	3.00	
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0.00	
12:45 - 13:00	0	0	6	0	0	0	0	6	0	6.00	
13:00 - 13:15	0	0	3	2	0	0	0	5	0	5.00	
13:15 - 13:30	0	0	4	0	0	0	0	4	0	4.00	
13:30 - 13:45	0	0	3	0	0	0	0	3	0	3.00	
13:45 - 14:00	0	0	0	0	0	0	0	0	0	0.00	
14:00 - 14:15	0	0	5	0	0	0	0	5	0	5.00	
14:15 - 14:30	0	0	2	1	0	0	0	3	0	3.00	
TOTAL	0	0	37	4	0	0	0	41	0	41.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	14	1	0	0	0	15	0	15.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	12	2	0	0	0	14	0	14.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

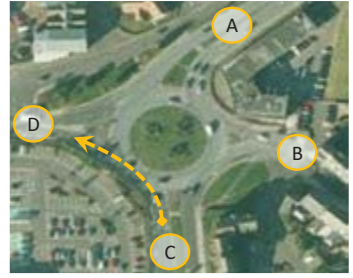
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.9: A92 (Burnside Drive) to Guthrie Port (West) Left Turn (C-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	68	2	0	0	0	70	0	70.00	
11:45 - 12:00	0	0	60	4	0	0	0	64	0	64.00	
12:00 - 12:15	0	0	77	5	1	0	0	83	1	83.50	
12:15 - 12:30	0	0	72	4	1	0	0	77	1	77.50	
12:30 - 12:45	0	0	69	4	0	1	0	74	1	75.30	
12:45 - 13:00	0	0	70	3	1	0	1	75	2	76.50	
13:00 - 13:15	0	0	76	5	0	0	0	81	0	81.00	
13:15 - 13:30	0	0	69	0	0	0	0	69	0	69.00	
13:30 - 13:45	0	0	69	0	0	0	0	69	0	69.00	
13:45 - 14:00	0	0	69	2	0	0	0	71	0	71.00	
14:00 - 14:15	0	0	71	6	0	0	0	77	0	77.00	
14:15 - 14:30	0	0	53	4	0	0	0	57	0	57.00	
TOTAL	0	0	823	39	3	1	1	867	5	870.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	277	15	2	0	0	294	2	295.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	287	16	2	1	1	307	4	310.30	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.10: A92 (Burnside Drive) to A92 Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	91	4	0	0	0	95	0	95.00	
11:45 - 12:00	0	0	75	7	0	0	1	83	1	84.00	
12:00 - 12:15	0	0	90	6	0	0	0	96	0	96.00	
12:15 - 12:30	0	0	80	13	1	0	0	94	1	94.50	
12:30 - 12:45	0	0	90	9	0	0	0	99	0	99.00	
12:45 - 13:00	0	0	80	7	0	0	1	88	1	89.00	
13:00 - 13:15	0	1	84	7	0	1	0	93	1	93.70	
13:15 - 13:30	0	1	96	7	0	0	2	106	2	107.40	
13:30 - 13:45	0	1	75	2	0	0	0	78	0	77.40	
13:45 - 14:00	0	0	79	5	0	0	1	85	1	86.00	
14:00 - 14:15	0	0	90	3	0	1	0	94	1	95.30	
14:15 - 14:30	0	1	75	5	0	0	0	81	0	80.40	
TOTAL	0	4	1005	75	1	2	5	1092	8	1097.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	336	30	1	0	1	368	2	369.50	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	1	334	36	1	1	1	374	3	376.20	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.11: A92 (Burnside Drive) to Guthrie Port (East) Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	1	0	0	0	0	1	0	1.00	
11:45 - 12:00	0	0	1	0	0	0	0	1	0	1.00	
12:00 - 12:15	0	0	4	1	0	0	0	5	0	5.00	
12:15 - 12:30	0	0	3	0	0	0	0	3	0	3.00	
12:30 - 12:45	0	0	1	0	0	0	0	1	0	1.00	
12:45 - 13:00	0	0	3	1	0	0	0	4	0	4.00	
13:00 - 13:15	0	0	0	0	0	0	0	0	0	0.00	
13:15 - 13:30	0	0	0	0	0	0	0	0	0	0.00	
13:30 - 13:45	0	0	4	0	0	0	0	4	0	4.00	
13:45 - 14:00	0	0	5	0	0	0	0	5	0	5.00	
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0.00	
14:15 - 14:30	0	0	4	0	0	0	0	4	0	4.00	
TOTAL	0	0	26	2	0	0	0	28	0	28.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	9	1	0	0	0	10	0	10.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	7	1	0	0	0	8	0	8.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.12: A92 (Burnside Drive) to A92 (Burnside Drive) U-Turn (C-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	16	1	0	0	0	17	0	17.00	
11:45 - 12:00	0	0	14	0	0	0	1	15	1	16.00	
12:00 - 12:15	0	0	18	0	0	0	0	18	0	18.00	
12:15 - 12:30	0	0	7	0	0	0	1	8	1	9.00	
12:30 - 12:45	0	0	15	1	0	0	0	16	0	16.00	
12:45 - 13:00	0	0	15	0	0	0	0	15	0	15.00	
13:00 - 13:15	0	0	12	0	0	0	0	12	0	12.00	
13:15 - 13:30	0	0	14	1	0	0	1	16	1	17.00	
13:30 - 13:45	0	0	12	1	0	0	0	13	0	13.00	
13:45 - 14:00	0	0	15	1	0	0	1	17	1	18.00	
14:00 - 14:15	0	0	9	1	0	0	0	10	0	10.00	
14:15 - 14:30	0	0	6	0	0	0	1	7	1	8.00	
TOTAL	0	0	153	6	0	0	5	164	5	169.00	

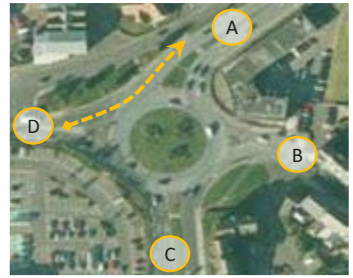
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	55	1	0	0	2	58	2	60.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	49	1	0	0	1	51	1	52.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.13: Guthrie Port (West) to A92 Left Turn (D-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	84	4	2	1	0	91	3	93.30	
11:45 - 12:00	0	0	53	4	0	0	0	57	0	57.00	
12:00 - 12:15	1	0	93	3	0	0	0	97	0	96.20	
12:15 - 12:30	0	0	69	6	0	2	0	77	2	79.60	
12:30 - 12:45	1	0	55	4	0	0	0	60	0	59.20	
12:45 - 13:00	0	0	73	6	0	0	0	79	0	79.00	
13:00 - 13:15	0	0	52	7	0	0	0	59	0	59.00	
13:15 - 13:30	0	0	43	6	0	1	0	50	1	51.30	
13:30 - 13:45	0	0	57	4	0	0	0	61	0	61.00	
13:45 - 14:00	0	1	70	5	0	0	0	76	0	75.40	
14:00 - 14:15	0	0	73	4	1	0	0	78	1	78.50	
14:15 - 14:30	0	0	64	4	2	0	0	70	2	71.00	
TOTAL	2	1	786	57	5	4	0	855	9	860.50	

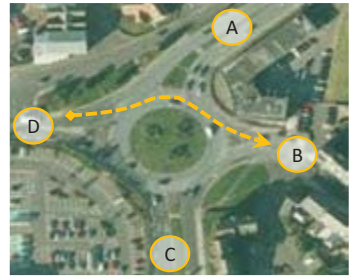
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	1	0	299	17	2	3	0	322	5	326.10	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	1	0	249	23	0	2	0	275	2	276.80	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.14: Guthrie Port (West) to Guthrie Port (East) Ahead (D-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	4	0	0	0	0	4	0	4.00	
11:45 - 12:00	0	0	4	0	0	0	0	4	0	4.00	
12:00 - 12:15	0	0	3	1	0	0	0	4	0	4.00	
12:15 - 12:30	0	0	6	2	0	0	0	8	0	8.00	
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0.00	
12:45 - 13:00	0	0	5	0	0	0	0	5	0	5.00	
13:00 - 13:15	0	0	6	0	0	0	0	6	0	6.00	
13:15 - 13:30	0	0	2	0	0	0	0	2	0	2.00	
13:30 - 13:45	0	0	4	1	0	0	0	5	0	5.00	
13:45 - 14:00	0	0	3	1	0	0	0	4	0	4.00	
14:00 - 14:15	0	0	3	1	0	0	0	4	0	4.00	
14:15 - 14:30	0	0	7	1	0	0	0	8	0	8.00	
TOTAL	0	0	47	7	0	0	0	54	0	54.00	

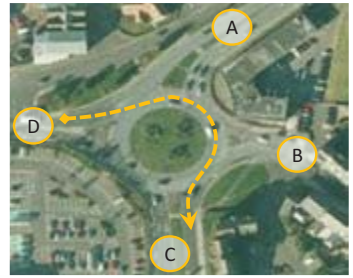
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	17	3	0	0	0	20	0	20.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	17	2	0	0	0	19	0	19.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.15: Guthrie Port (West) to A92 (Burnside Drive) Right Turn (D-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	56	5	0	0	1	62	1	63.00	
11:45 - 12:00	0	0	78	2	0	0	0	80	0	80.00	
12:00 - 12:15	0	0	61	2	0	0	0	63	0	63.00	
12:15 - 12:30	0	0	52	5	0	0	0	57	0	57.00	
12:30 - 12:45	0	0	56	1	0	0	0	57	0	57.00	
12:45 - 13:00	0	0	58	2	2	0	0	62	2	63.00	
13:00 - 13:15	0	0	66	5	1	0	0	72	1	72.50	
13:15 - 13:30	0	1	47	1	0	0	0	49	0	48.40	
13:30 - 13:45	0	1	48	2	1	0	0	52	1	51.90	
13:45 - 14:00	0	0	66	8	0	0	0	74	0	74.00	
14:00 - 14:15	0	0	64	3	0	0	0	67	0	67.00	
14:15 - 14:30	0	0	50	3	0	0	0	53	0	53.00	
TOTAL	0	2	702	39	4	0	1	748	5	749.80	

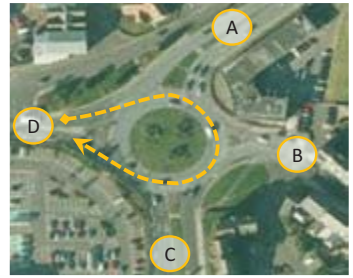
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	247	14	0	0	1	262	1	263.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	232	13	3	0	0	248	3	249.50	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout
 Movement 1.16: Guthrie Port (West) to Guthrie Port (West) U-Turn (D-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	22	0	0	0	0	22	0	22.00	
11:45 - 12:00	0	0	14	0	0	0	0	14	0	14.00	
12:00 - 12:15	0	0	17	1	0	0	1	19	1	20.00	
12:15 - 12:30	0	0	22	2	0	0	0	24	0	24.00	
12:30 - 12:45	0	0	16	1	0	0	0	17	0	17.00	
12:45 - 13:00	0	0	26	0	0	0	0	26	0	26.00	
13:00 - 13:15	0	0	23	2	0	0	0	25	0	25.00	
13:15 - 13:30	0	0	20	1	0	0	0	21	0	21.00	
13:30 - 13:45	0	0	16	0	1	0	0	17	1	17.50	
13:45 - 14:00	0	0	21	1	0	0	0	22	0	22.00	
14:00 - 14:15	0	0	20	0	0	0	1	21	1	22.00	
14:15 - 14:30	0	0	20	2	0	0	0	22	0	22.00	
TOTAL	0	0	237	10	1	0	2	250	3	252.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	75	3	0	0	1	79	1	80.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	87	5	0	0	0	92	0	92.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction

Movement 2.1: A92 (Burnside Drive) (South) to Hume Street Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	59	4	0	0	0	63	0	63.00	
11:45 - 12:00	0	0	46	3	0	0	0	49	0	49.00	
12:00 - 12:15	0	0	52	3	1	0	1	57	2	58.50	
12:15 - 12:30	0	1	61	4	1	0	0	67	1	66.90	
12:30 - 12:45	0	1	51	9	0	0	0	61	0	60.40	
12:45 - 13:00	0	0	35	2	1	0	0	38	1	38.50	
13:00 - 13:15	0	0	50	5	0	0	0	55	0	55.00	
13:15 - 13:30	0	0	36	0	0	0	0	36	0	36.00	
13:30 - 13:45	0	0	50	3	0	0	0	53	0	53.00	
13:45 - 14:00	0	0	49	1	0	0	0	50	0	50.00	
14:00 - 14:15	0	0	37	0	0	0	1	38	1	39.00	
14:15 - 14:30	0	0	45	1	0	1	0	47	1	48.30	
TOTAL	0	2	571	35	3	1	2	614	6	617.60	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	2	210	19	2	0	1	234	3	234.80	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	2	197	20	2	0	0	221	2	220.80	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction

Movement 2.2: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (North) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	1	0	107	6	0	0	0	114	0	113.20	
11:45 - 12:00	0	0	122	4	1	0	1	128	2	129.50	
12:00 - 12:15	0	0	130	13	1	0	1	145	2	146.50	
12:15 - 12:30	0	0	113	11	1	2	1	128	4	132.10	
12:30 - 12:45	0	0	123	14	0	1	0	138	1	139.30	
12:45 - 13:00	0	0	137	12	1	0	2	152	3	154.50	
13:00 - 13:15	0	0	122	9	2	1	0	134	3	136.30	
13:15 - 13:30	0	0	129	9	1	0	2	141	3	143.50	
13:30 - 13:45	0	1	123	4	0	0	1	129	1	129.40	
13:45 - 14:00	0	0	127	3	0	0	2	132	2	134.00	
14:00 - 14:15	0	0	130	8	1	0	0	139	1	139.50	
14:15 - 14:30	0	0	107	10	1	1	2	121	4	124.80	
TOTAL	1	1	1470	103	9	5	12	1601	26	1622.60	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	0	488	42	3	3	3	539	9	547.40	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	495	46	4	4	3	552	11	562.20	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction

Movement 2.3: Hume Street to A92 (Burnside Drive) (North) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	49	4	0	0	0	53	0	53.00	
11:45 - 12:00	0	0	40	5	0	0	0	45	0	45.00	
12:00 - 12:15	0	0	53	3	0	0	0	56	0	56.00	
12:15 - 12:30	0	0	44	2	1	0	0	47	1	47.50	
12:30 - 12:45	0	0	46	5	0	0	0	51	0	51.00	
12:45 - 13:00	0	0	38	1	0	0	0	39	0	39.00	
13:00 - 13:15	0	1	37	2	0	0	0	40	0	39.40	
13:15 - 13:30	1	0	43	2	0	0	0	46	0	45.20	
13:30 - 13:45	0	0	37	1	0	0	0	38	0	38.00	
13:45 - 14:00	0	0	45	1	1	0	0	47	1	47.50	
14:00 - 14:15	0	0	35	0	0	0	0	35	0	35.00	
14:15 - 14:30	1	0	33	2	0	0	0	36	0	35.20	
TOTAL	2	1	500	28	2	0	0	533	2	531.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	0	183	15	1	0	0	199	1	199.50	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	1	165	10	1	0	0	177	1	176.90	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction

Movement 2.4: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (South) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	155	16	3	0	0	174	3	175.50	
11:45 - 12:00	0	0	174	5	1	3	2	185	6	191.40	
12:00 - 12:15	0	0	172	6	2	1	2	183	5	187.30	
12:15 - 12:30	0	0	164	9	1	0	1	175	2	176.50	
12:30 - 12:45	0	0	143	11	0	0	1	155	1	156.00	
12:45 - 13:00	0	0	140	10	2	0	1	153	3	155.00	
13:00 - 13:15	0	0	187	9	2	0	2	200	4	203.00	
13:15 - 13:30	0	1	132	14	1	0	1	149	2	149.90	
13:30 - 13:45	0	0	135	5	3	0	2	145	5	148.50	
13:45 - 14:00	0	0	160	13	1	0	2	176	3	178.50	
14:00 - 14:15	0	0	146	10	1	0	1	158	2	159.50	
14:15 - 14:30	0	0	152	8	0	1	2	163	3	166.30	
TOTAL	0	1	1860	116	17	5	17	2016	39	2047.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	0	653	31	4	4	6	698	14	711.20	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	634	39	5	0	5	683	10	690.50	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.1: A92 (Burnside Drive) (North) to Maule Street Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0	0.00
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0	0.00
12:00 - 12:15	0	0	0	0	0	0	0	0	0	0	0.00
12:15 - 12:30	0	0	0	0	0	0	0	0	0	0	0.00
12:30 - 12:45	0	0	1	0	0	0	0	1	0	1	1.00
12:45 - 13:00	0	0	0	0	0	0	0	0	0	0	0.00
13:00 - 13:15	0	0	1	0	0	0	0	1	0	1	1.00
13:15 - 13:30	0	0	0	0	0	0	0	0	0	0	0.00
13:30 - 13:45	0	0	0	0	0	0	0	0	0	0	0.00
13:45 - 14:00	0	0	0	0	0	0	0	0	0	0	0.00
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0	0.00
14:15 - 14:30	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL	0	0	2	0	0	0	0	2	0	2	2.00

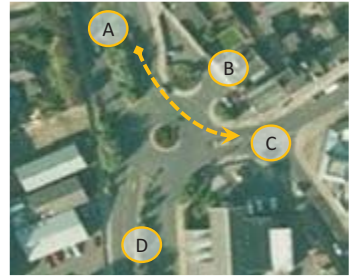
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	0	0	0	0	0	0	0	0.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	2	0	0	0	0	2	0	2.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.2: A92 (Burnside Drive) (North) to Lordburn Left Turn (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	70	8	2	0	0	80	2	81.00	
11:45 - 12:00	0	0	79	1	0	0	1	81	1	82.00	
12:00 - 12:15	0	0	84	3	0	0	0	87	0	87.00	
12:15 - 12:30	0	0	62	3	0	0	1	66	1	67.00	
12:30 - 12:45	0	0	60	1	0	0	0	61	0	61.00	
12:45 - 13:00	0	0	66	2	0	0	1	69	1	70.00	
13:00 - 13:15	0	0	87	1	0	0	0	88	0	88.00	
13:15 - 13:30	0	0	53	1	0	0	1	55	1	56.00	
13:30 - 13:45	0	0	60	6	1	0	0	67	1	67.50	
13:45 - 14:00	0	0	81	6	0	0	1	88	1	89.00	
14:00 - 14:15	0	0	69	4	0	0	0	73	0	73.00	
14:15 - 14:30	0	0	62	3	0	0	1	66	1	67.00	
TOTAL	0	0	833	39	3	0	6	881	9	888.50	

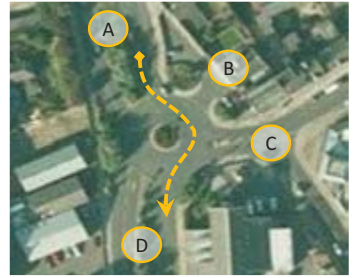
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	295	15	2	0	2	314	4	317.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	275	7	0	0	2	284	2	286.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.3: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (South) Ahead (A-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	77	8	1	0	1	87	2	88.50	
11:45 - 12:00	0	0	84	4	1	2	1	92	4	96.10	
12:00 - 12:15	0	0	85	2	1	1	2	91	4	94.80	
12:15 - 12:30	0	0	91	8	1	0	0	100	1	100.50	
12:30 - 12:45	0	0	82	9	0	0	1	92	1	93.00	
12:45 - 13:00	0	0	66	7	3	0	0	76	3	77.50	
13:00 - 13:15	0	0	99	6	3	0	2	110	5	113.50	
13:15 - 13:30	0	1	74	8	1	1	0	85	2	86.20	
13:30 - 13:45	0	0	73	2	1	0	2	78	3	80.50	
13:45 - 14:00	0	0	69	9	0	0	1	79	1	80.00	
14:00 - 14:15	0	0	75	8	1	0	1	85	2	86.50	
14:15 - 14:30	0	0	81	7	1	0	1	90	2	91.50	
TOTAL	0	1	956	78	14	4	12	1065	30	1088.60	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	337	22	4	3	4	370	11	379.90	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	338	30	7	0	3	378	10	384.50	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout

Movement 3.4: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (North) U-Turn (A-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	11	1	0	0	0	12	0	12.00	
11:45 - 12:00	0	0	7	0	0	0	0	7	0	7.00	
12:00 - 12:15	0	0	3	2	1	0	0	6	1	6.50	
12:15 - 12:30	0	0	5	1	0	0	0	6	0	6.00	
12:30 - 12:45	0	0	6	0	0	0	0	6	0	6.00	
12:45 - 13:00	0	0	5	0	0	0	0	5	0	5.00	
13:00 - 13:15	0	0	2	1	0	0	0	3	0	3.00	
13:15 - 13:30	0	0	6	2	0	0	0	8	0	8.00	
13:30 - 13:45	0	0	3	0	0	0	0	3	0	3.00	
13:45 - 14:00	0	0	4	1	0	0	0	5	0	5.00	
14:00 - 14:15	0	0	4	0	0	0	0	4	0	4.00	
14:15 - 14:30	0	0	3	0	0	0	0	3	0	3.00	
TOTAL	0	0	59	8	1	0	0	68	1	68.50	

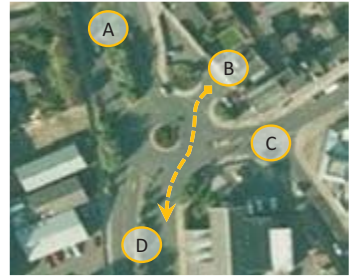
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	26	4	1	0	0	31	1	31.50	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	18	2	0	0	0	20	0	20.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.6: Maule Street to A92 (Burnside Drive) (South) Left Turn (B-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	1	0	0	0	0	1	0	1.00	
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0.00	
12:00 - 12:15	0	0	1	0	0	0	0	1	0	1.00	
12:15 - 12:30	0	0	1	0	0	0	0	1	0	1.00	
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0.00	
12:45 - 13:00	0	0	0	0	0	0	0	0	0	0.00	
13:00 - 13:15	0	0	0	0	0	0	0	0	0	0.00	
13:15 - 13:30	0	0	1	0	0	0	0	1	0	1.00	
13:30 - 13:45	0	0	0	0	0	0	0	0	0	0.00	
13:45 - 14:00	0	0	0	0	0	0	0	0	0	0.00	
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0.00	
14:15 - 14:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	4	0	0	0	0	4	0	4.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	3	0	0	0	0	3	0	3.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	1	0	0	0	0	1	0	1.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

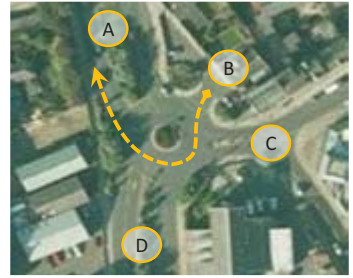
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout

Movement 3.7: Maule Street to A92 (Burnside Drive) (North) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0.00	
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0.00	
12:00 - 12:15	0	0	0	0	0	0	0	0	0	0.00	
12:15 - 12:30	0	0	0	0	0	0	0	0	0	0.00	
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0.00	
12:45 - 13:00	0	0	0	0	0	0	0	0	0	0.00	
13:00 - 13:15	0	0	2	0	0	0	0	2	0	2.00	
13:15 - 13:30	0	0	0	0	0	0	0	0	0	0.00	
13:30 - 13:45	0	0	1	0	0	0	0	1	0	1.00	
13:45 - 14:00	0	0	1	0	0	0	0	1	0	1.00	
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0.00	
14:15 - 14:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	4	0	0	0	0	4	0	4.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	0	0	0	0	0	0	0	0.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	2	0	0	0	0	2	0	2.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.9: Lordburn to A92 (Burnside Drive) (South) Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	13	2	0	0	2	17	2	19.00	
11:45 - 12:00	0	0	26	0	0	0	0	26	0	26.00	
12:00 - 12:15	0	0	20	0	1	0	1	22	2	23.50	
12:15 - 12:30	0	0	8	1	0	0	0	9	0	9.00	
12:30 - 12:45	0	0	10	0	0	0	1	11	1	12.00	
12:45 - 13:00	0	0	16	0	0	0	0	16	0	16.00	
13:00 - 13:15	0	0	12	0	0	0	2	14	2	16.00	
13:15 - 13:30	0	0	12	1	0	0	1	14	1	15.00	
13:30 - 13:45	0	0	13	0	0	0	2	15	2	17.00	
13:45 - 14:00	0	0	17	4	0	0	0	21	0	21.00	
14:00 - 14:15	0	0	21	3	0	0	0	24	0	24.00	
14:15 - 14:30	0	0	16	1	0	0	1	18	1	19.00	
TOTAL	0	0	184	12	1	0	10	207	11	217.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	67	3	1	0	3	74	4	77.50	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	46	1	0	0	3	50	3	53.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.10: Lordburn to A92 (Burnside Drive) (North) Right Turn (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	1	0	74	3	0	0	0	78	0	77.20	
11:45 - 12:00	0	0	64	1	0	0	0	65	0	65.00	
12:00 - 12:15	0	0	77	5	0	0	0	82	0	82.00	
12:15 - 12:30	0	0	66	5	0	0	0	71	0	71.00	
12:30 - 12:45	0	0	70	9	0	1	0	80	1	81.30	
12:45 - 13:00	0	0	66	3	0	0	0	69	0	69.00	
13:00 - 13:15	0	0	48	4	0	0	0	52	0	52.00	
13:15 - 13:30	0	0	61	3	0	0	0	64	0	64.00	
13:30 - 13:45	0	0	71	3	0	0	0	74	0	74.00	
13:45 - 14:00	0	0	67	2	0	0	0	69	0	69.00	
14:00 - 14:15	0	0	66	3	0	0	0	69	0	69.00	
14:15 - 14:30	0	0	50	3	0	0	0	53	0	53.00	
TOTAL	1	0	780	44	0	1	0	826	1	826.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	1	0	281	14	0	0	0	296	0	295.20	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	250	21	0	1	0	272	1	273.30	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout

Movement 3.12: Lordburn to Lordburn U-Turn (C-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0	0.00
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0	0.00
12:00 - 12:15	0	0	1	0	0	0	0	1	0	1.00	
12:15 - 12:30	0	0	0	0	0	0	0	0	0	0.00	
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0.00	
12:45 - 13:00	0	0	2	0	0	0	0	2	0	2.00	
13:00 - 13:15	0	0	0	0	0	0	0	0	0	0.00	
13:15 - 13:30	0	0	0	0	0	0	0	0	0	0.00	
13:30 - 13:45	0	0	0	0	0	0	0	0	0	0.00	
13:45 - 14:00	0	0	0	0	0	0	0	0	0	0.00	
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0.00	
14:15 - 14:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	3	0	0	0	0	3	0	3.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	1	0	0	0	0	1	0	1.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	2	0	0	0	0	2	0	2.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.13: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (North) Ahead (D-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	91	6	0	0	0	97	0	97.00	
11:45 - 12:00	0	0	91	7	1	0	2	101	3	103.50	
12:00 - 12:15	0	0	101	10	1	0	1	113	2	114.50	
12:15 - 12:30	0	1	102	10	3	1	1	118	5	121.20	
12:30 - 12:45	0	0	94	12	0	0	0	106	0	106.00	
12:45 - 13:00	0	0	97	5	2	0	2	106	4	109.00	
13:00 - 13:15	0	0	109	9	1	0	0	119	1	119.50	
13:15 - 13:30	0	0	90	5	1	0	2	98	3	100.50	
13:30 - 13:45	0	1	89	2	0	0	1	93	1	93.40	
13:45 - 14:00	0	0	97	4	0	0	2	103	2	105.00	
14:00 - 14:15	0	0	95	6	0	0	1	102	1	103.00	
14:15 - 14:30	0	0	96	7	1	2	2	108	5	113.10	
TOTAL	0	2	1152	83	10	3	14	1264	27	1285.70	

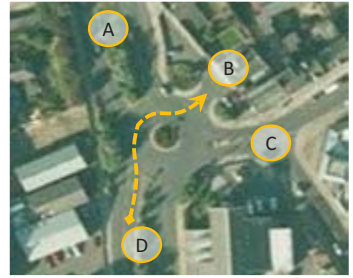
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	1	385	33	5	1	4	429	10	436.20	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	1	402	36	6	1	3	449	10	455.70	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.14: A92 (Burnside Drive) (South) to Maule Street Right Turn (D-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0.00	
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0.00	
12:00 - 12:15	0	0	0	0	0	0	0	0	0	0.00	
12:15 - 12:30	0	0	0	0	0	0	0	0	0	0.00	
12:30 - 12:45	0	0	1	0	0	0	0	1	0	1.00	
12:45 - 13:00	0	0	0	0	0	0	0	0	0	0.00	
13:00 - 13:15	0	0	0	0	0	0	0	0	0	0.00	
13:15 - 13:30	0	0	1	0	0	0	0	1	0	1.00	
13:30 - 13:45	0	0	0	0	0	0	0	0	0	0.00	
13:45 - 14:00	0	0	0	0	0	0	0	0	0	0.00	
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0.00	
14:15 - 14:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	2	0	0	0	0	2	0	2.00	

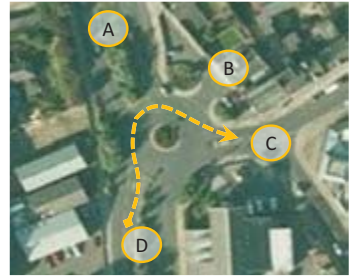
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	0	0	0	0	0	0	0	0.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	1	0	0	0	0	1	0	1.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout
 Movement 3.15: A92 (Burnside Drive) (South) to Lordburn Right Turn (D-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	55	4	0	1	0	60	1	61.30	
11:45 - 12:00	0	0	60	7	0	0	1	68	1	69.00	
12:00 - 12:15	0	0	47	0	2	0	0	49	2	50.00	
12:15 - 12:30	0	0	42	5	0	0	1	48	1	49.00	
12:30 - 12:45	0	0	52	2	0	0	1	55	1	56.00	
12:45 - 13:00	0	0	60	1	0	0	1	62	1	63.00	
13:00 - 13:15	0	0	49	5	0	0	0	54	0	54.00	
13:15 - 13:30	0	0	53	3	0	0	0	56	0	56.00	
13:30 - 13:45	0	0	51	0	0	0	1	52	1	53.00	
13:45 - 14:00	0	0	60	0	0	0	1	61	1	62.00	
14:00 - 14:15	0	0	53	4	0	0	1	58	1	59.00	
14:15 - 14:30	0	0	38	2	0	0	0	40	0	40.00	
TOTAL	0	0	620	33	2	1	7	663	10	672.30	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	204	16	2	1	2	225	5	229.30	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	203	13	0	0	3	219	3	222.00	

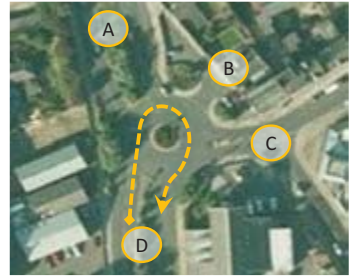
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout

Movement 3.16: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (South) U-Turn (D-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0	0.00
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0	0.00
12:00 - 12:15	0	0	1	0	0	0	0	1	0	1.00	
12:15 - 12:30	0	0	1	0	0	0	0	1	0	1.00	
12:30 - 12:45	0	0	1	0	0	0	0	1	0	1.00	
12:45 - 13:00	0	0	1	0	0	0	0	1	0	1.00	
13:00 - 13:15	0	0	3	0	0	0	0	3	0	3.00	
13:15 - 13:30	0	0	1	0	0	0	0	1	0	1.00	
13:30 - 13:45	0	0	1	0	0	0	0	1	0	1.00	
13:45 - 14:00	0	0	3	0	0	0	0	3	0	3.00	
14:00 - 14:15	0	0	2	0	0	0	0	2	0	2.00	
14:15 - 14:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	14	0	0	0	0	14	0	14.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	2	0	0	0	0	2	0	2.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	6	0	0	0	0	6	0	6.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

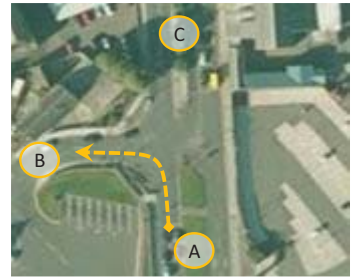
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.1: A92 (Burnside Drive) (South) to Catherine Street Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	17	2	0	0	2	21	2	23.00	
11:45 - 12:00	0	0	23	2	0	0	2	27	2	29.00	
12:00 - 12:15	0	0	32	2	0	0	0	34	0	34.00	
12:15 - 12:30	0	0	20	2	0	0	1	23	1	24.00	
12:30 - 12:45	0	0	17	3	0	0	1	21	1	22.00	
12:45 - 13:00	0	0	26	0	0	0	1	27	1	28.00	
13:00 - 13:15	0	0	20	0	0	0	0	20	0	20.00	
13:15 - 13:30	0	0	15	1	0	0	1	17	1	18.00	
13:30 - 13:45	0	0	15	0	0	0	1	16	1	17.00	
13:45 - 14:00	0	0	19	0	0	0	3	22	3	25.00	
14:00 - 14:15	0	0	9	3	0	0	0	12	0	12.00	
14:15 - 14:30	0	0	16	1	0	0	1	18	1	19.00	
TOTAL	0	0	229	16	0	0	13	258	13	271.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	0	92	9	0	0	4	105	4	109.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	83	5	0	0	3	91	3	94.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

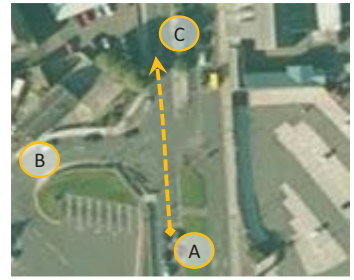
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.2: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (North) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	79	5	0	1	0	85	1	86.30	
11:45 - 12:00	0	0	105	6	0	0	0	111	0	111.00	
12:00 - 12:15	0	0	108	8	1	0	0	117	1	117.50	
12:15 - 12:30	0	0	113	11	1	0	1	126	2	127.50	
12:30 - 12:45	0	1	105	11	0	0	0	117	0	116.40	
12:45 - 13:00	0	0	107	7	1	0	0	115	1	115.50	
13:00 - 13:15	0	0	132	9	0	0	0	141	0	141.00	
13:15 - 13:30	0	0	113	5	1	0	1	120	2	121.50	
13:30 - 13:45	0	1	118	0	0	0	1	120	1	120.40	
13:45 - 14:00	0	0	109	2	0	0	0	111	0	111.00	
14:00 - 14:15	0	0	116	5	0	0	0	121	0	121.00	
14:15 - 14:30	0	0	106	7	0	2	0	115	2	117.60	
TOTAL	0	2	1311	76	4	3	3	1399	10	1406.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	1	431	36	2	0	1	471	3	472.40	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	1	457	38	2	0	1	499	3	500.40	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

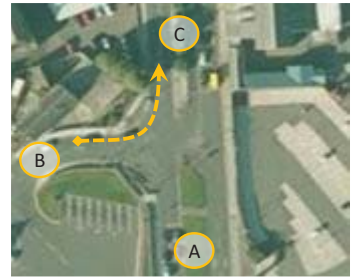
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.3: Catherine Street to A92 (Burnside Drive) (North) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	64	1	0	0	0	65	0	65.00	
11:45 - 12:00	0	0	45	6	1	0	3	55	4	58.50	
12:00 - 12:15	0	0	44	2	2	0	1	49	3	51.00	
12:15 - 12:30	0	0	38	3	1	0	2	44	3	46.50	
12:30 - 12:45	0	0	45	0	0	0	1	46	1	47.00	
12:45 - 13:00	0	0	51	2	0	0	3	56	3	59.00	
13:00 - 13:15	0	0	39	3	1	0	0	43	1	43.50	
13:15 - 13:30	0	0	40	2	0	0	1	43	1	44.00	
13:30 - 13:45	0	0	32	1	0	0	1	34	1	35.00	
13:45 - 14:00	0	0	45	0	0	0	3	48	3	51.00	
14:00 - 14:15	0	0	39	3	0	0	2	44	2	46.00	
14:15 - 14:30	0	0	36	1	0	0	2	39	2	41.00	
TOTAL	0	0	518	24	5	0	19	566	24	587.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	0	172	11	4	0	7	194	11	203.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	173	8	2	0	6	189	8	196.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

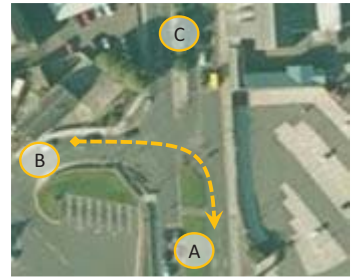
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.4: Catherine Street to A92 (Burnside Drive) (South) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	5	0	0	0	1	6	1	7.00	
11:45 - 12:00	0	0	5	0	0	0	0	5	0	5.00	
12:00 - 12:15	0	0	5	0	0	0	1	6	1	7.00	
12:15 - 12:30	0	0	2	0	0	0	1	3	1	4.00	
12:30 - 12:45	0	0	2	0	1	0	2	5	3	7.50	
12:45 - 13:00	0	0	4	0	0	0	1	5	1	6.00	
13:00 - 13:15	0	0	7	1	0	0	1	9	1	10.00	
13:15 - 13:30	0	0	0	0	0	0	0	0	0	0.00	
13:30 - 13:45	0	0	4	0	0	0	1	5	1	6.00	
13:45 - 14:00	0	0	4	0	0	0	1	5	1	6.00	
14:00 - 14:15	0	0	4	0	0	0	3	7	3	10.00	
14:15 - 14:30	0	0	4	0	0	0	0	4	0	4.00	
TOTAL	0	0	46	1	1	0	12	60	13	72.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	0	14	0	1	0	4	19	5	23.50	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	15	1	1	0	5	22	6	27.50	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

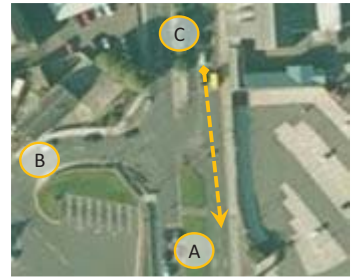
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.5: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (South) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	67	7	1	0	0	75	1	75.50	
11:45 - 12:00	0	0	83	4	1	2	0	90	3	93.10	
12:00 - 12:15	0	0	84	1	1	1	0	87	2	88.80	
12:15 - 12:30	0	0	84	6	1	0	0	91	1	91.50	
12:30 - 12:45	0	0	72	7	0	0	0	79	0	79.00	
12:45 - 13:00	0	0	73	6	1	0	0	80	1	80.50	
13:00 - 13:15	0	0	91	4	3	0	0	98	3	99.50	
13:15 - 13:30	0	1	75	10	1	0	0	87	1	86.90	
13:30 - 13:45	0	1	75	2	0	0	0	78	0	77.40	
13:45 - 14:00	0	0	69	5	0	0	0	74	0	74.00	
14:00 - 14:15	0	0	78	8	1	0	0	87	1	87.50	
14:15 - 14:30	0	0	87	6	0	0	1	94	1	95.00	
TOTAL	0	2	938	66	10	3	1	1020	14	1028.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	0	323	18	3	3	0	347	6	352.40	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	320	23	5	0	0	348	5	350.50	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

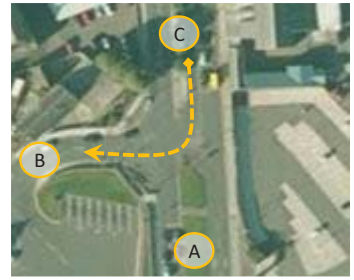
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.6: A92 (Burnside Drive) (North) to Catherine Street Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	17	1	0	0	3	21	3	24.00	
11:45 - 12:00	0	0	24	1	0	0	1	26	1	27.00	
12:00 - 12:15	0	0	28	0	0	0	3	31	3	34.00	
12:15 - 12:30	0	0	19	1	0	0	0	20	0	20.00	
12:30 - 12:45	0	0	19	1	0	0	2	22	2	24.00	
12:45 - 13:00	0	0	13	0	0	0	0	13	0	13.00	
13:00 - 13:15	0	0	25	0	0	0	4	29	4	33.00	
13:15 - 13:30	0	0	16	1	0	0	1	18	1	19.00	
13:30 - 13:45	0	0	16	0	0	0	3	19	3	22.00	
13:45 - 14:00	0	0	19	4	0	0	0	23	0	23.00	
14:00 - 14:15	0	0	22	0	0	0	2	24	2	26.00	
14:15 - 14:30	0	0	11	1	0	0	1	13	1	14.00	
TOTAL	0	0	229	10	0	0	20	259	20	279.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	0	90	3	0	0	6	99	6	105.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	76	2	0	0	6	84	6	90.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

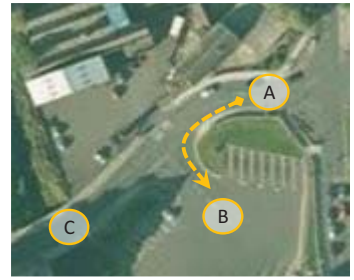
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction

Movement 5.1: Catherine Street (East) to Arbroath Bus Station Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	1	1	0	0	5	7	5	12.00	
11:45 - 12:00	0	0	1	0	0	0	3	4	3	7.00	
12:00 - 12:15	0	0	2	0	0	0	3	5	3	8.00	
12:15 - 12:30	0	0	2	0	0	0	1	3	1	4.00	
12:30 - 12:45	0	0	0	0	0	0	3	3	3	6.00	
12:45 - 13:00	0	0	1	0	0	0	1	2	1	3.00	
13:00 - 13:15	0	0	2	1	0	0	4	7	4	11.00	
13:15 - 13:30	0	0	4	0	0	0	2	6	2	8.00	
13:30 - 13:45	0	0	1	0	0	0	4	5	4	9.00	
13:45 - 14:00	0	0	1	0	0	0	4	5	4	9.00	
14:00 - 14:15	0	0	2	0	0	0	2	4	2	6.00	
14:15 - 14:30	0	0	0	0	0	0	1	1	1	2.00	
TOTAL	0	0	17	2	0	0	33	52	33	85.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	6	1	0	0	12	19	12	31.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	5	1	0	0	9	15	9	24.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

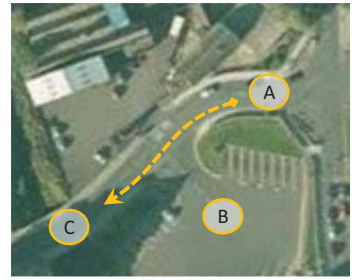
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction

Movement 5.2: Catherine Street (East) to Catherine Street (West) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	33	2	0	0	0	35	0	35.00	
11:45 - 12:00	0	0	41	4	0	0	0	45	0	45.00	
12:00 - 12:15	0	0	55	3	1	0	0	59	1	59.50	
12:15 - 12:30	0	0	37	1	0	0	0	38	0	38.00	
12:30 - 12:45	1	0	38	3	0	0	0	42	0	41.20	
12:45 - 13:00	0	0	38	1	1	0	0	40	1	40.50	
13:00 - 13:15	1	0	38	0	0	0	0	39	0	38.20	
13:15 - 13:30	0	0	28	2	2	0	0	32	2	33.00	
13:30 - 13:45	0	0	30	0	0	0	0	30	0	30.00	
13:45 - 14:00	0	0	35	3	3	0	0	41	3	42.50	
14:00 - 14:15	0	0	30	1	1	0	0	32	1	32.50	
14:15 - 14:30	0	0	28	2	0	0	0	30	0	30.00	
TOTAL	2	0	431	22	8	0	0	463	8	465.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	166	10	1	0	0	177	1	177.50	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	2	0	151	5	1	0	0	159	1	157.90	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

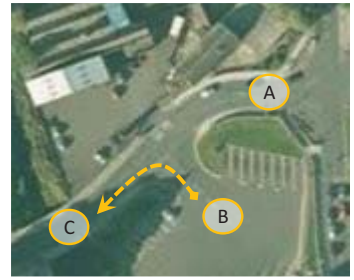
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction

Movement 5.3: Arbroath Bus Station to Catherine Street (West) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
11:30 - 11:45	0	0	1	0	0	0	1	2	1	3.00
11:45 - 12:00	0	0	1	1	0	0	3	5	3	8.00
12:00 - 12:15	0	0	1	0	0	0	2	3	2	5.00
12:15 - 12:30	0	0	0	0	0	0	4	4	4	8.00
12:30 - 12:45	0	0	0	0	0	0	1	1	1	2.00
12:45 - 13:00	0	0	0	0	0	0	2	2	2	4.00
13:00 - 13:15	0	0	0	0	0	0	2	2	2	4.00
13:15 - 13:30	0	0	1	0	0	0	4	5	4	9.00
13:30 - 13:45	0	0	0	0	0	0	3	3	3	6.00
13:45 - 14:00	0	0	5	0	0	0	1	6	1	7.00
14:00 - 14:15	0	0	2	0	0	0	1	3	1	4.00
14:15 - 14:30	0	0	1	0	0	0	4	5	4	9.00
TOTAL	0	0	12	1	0	0	28	41	28	69.00

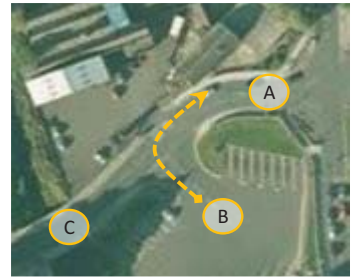
PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
11:30 - 12:30	0	0	3	1	0	0	10	14	10	24.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
12:15 - 13:15	0	0	0	0	0	0	9	9	9	18.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction
 Movement 5.4: Arbroath Bus Station to Catherine Street (East) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	1	0	0	0	1	2	1	3.00	
11:45 - 12:00	0	0	1	0	0	0	3	4	3	7.00	
12:00 - 12:15	0	0	0	0	0	0	3	3	3	6.00	
12:15 - 12:30	0	0	3	1	0	0	2	6	2	8.00	
12:30 - 12:45	0	0	2	0	0	0	3	5	3	8.00	
12:45 - 13:00	0	0	3	0	0	0	4	7	4	11.00	
13:00 - 13:15	0	0	2	1	0	0	1	4	1	5.00	
13:15 - 13:30	0	0	1	0	0	0	1	2	1	3.00	
13:30 - 13:45	0	0	0	0	0	0	2	2	2	4.00	
13:45 - 14:00	0	0	0	0	0	0	4	4	4	8.00	
14:00 - 14:15	0	0	2	0	0	0	5	7	5	12.00	
14:15 - 14:30	0	0	2	0	0	0	3	5	3	8.00	
TOTAL	0	0	17	2	0	0	32	51	32	83.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	0	0	5	1	0	0	9	15	9	24.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	10	2	0	0	10	22	10	32.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

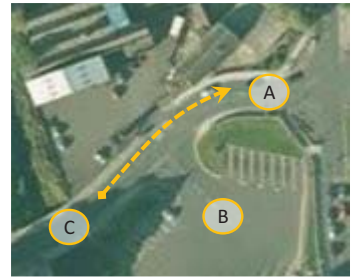
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction

Movement 5.5: Catherine Street (West) to Catherine Street (East) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	1	0	61	2	1	0	0	65	1	64.70	
11:45 - 12:00	0	0	49	6	0	0	0	55	0	55.00	
12:00 - 12:15	0	0	50	2	3	0	0	55	3	56.50	
12:15 - 12:30	0	0	37	1	0	0	0	38	0	38.00	
12:30 - 12:45	0	0	41	2	1	0	0	44	1	44.50	
12:45 - 13:00	1	0	54	1	0	0	0	56	0	55.20	
13:00 - 13:15	0	0	40	3	0	0	0	43	0	43.00	
13:15 - 13:30	0	0	42	1	0	0	0	43	0	43.00	
13:30 - 13:45	0	0	38	1	0	0	0	39	0	39.00	
13:45 - 14:00	0	0	41	0	0	0	0	41	0	41.00	
14:00 - 14:15	0	0	40	2	0	0	0	42	0	42.00	
14:15 - 14:30	0	0	37	1	0	0	0	38	0	38.00	
TOTAL	2	0	530	22	5	0	0	559	5	559.90	

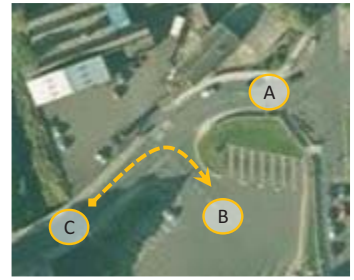
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 12:30	1	0	197	11	4	0	0	213	4	214.20	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	1	0	172	7	1	0	0	181	1	180.70	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction
 Movement 5.6: Catherine Street (West) to Arbroath Bus Station Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
11:30 - 11:45	0	0	2	0	0	0	2	4	2	6.00
11:45 - 12:00	0	0	2	0	0	0	3	5	3	8.00
12:00 - 12:15	0	0	0	0	0	0	2	2	2	4.00
12:15 - 12:30	0	0	0	0	0	0	3	3	3	6.00
12:30 - 12:45	0	0	1	0	0	0	3	4	3	7.00
12:45 - 13:00	0	0	1	0	0	0	3	4	3	7.00
13:00 - 13:15	0	0	1	0	0	0	1	2	1	3.00
13:15 - 13:30	0	0	0	0	0	0	3	3	3	6.00
13:30 - 13:45	0	0	1	0	0	0	2	3	2	5.00
13:45 - 14:00	0	0	1	0	0	0	4	5	4	9.00
14:00 - 14:15	0	0	2	0	0	0	1	3	1	4.00
14:15 - 14:30	0	0	2	0	0	0	0	2	0	2.00
TOTAL	0	0	13	0	0	0	27	40	27	67.00

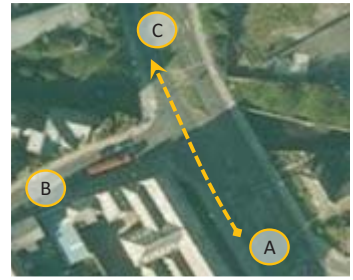
PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
11:30 - 12:30	0	0	4	0	0	0	10	14	10	24.00
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
12:15 - 13:15	0	0	3	0	0	0	10	13	10	23.00

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals
 Movement 6.1: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (North) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	97	5	0	1	1	104	2	106.30	
11:45 - 12:00	0	0	94	11	0	0	2	107	2	109.00	
12:00 - 12:15	0	0	115	9	2	0	0	126	2	127.00	
12:15 - 12:30	0	0	110	9	0	0	1	120	1	121.00	
12:30 - 12:45	0	1	110	9	0	0	1	121	1	121.40	
12:45 - 13:00	0	0	102	7	2	0	1	112	3	114.00	
13:00 - 13:15	0	0	128	6	0	0	0	134	0	134.00	
13:15 - 13:30	0	0	126	6	0	0	2	134	2	136.00	
13:30 - 13:45	0	1	108	1	0	0	2	112	2	113.40	
13:45 - 14:00	0	0	119	1	0	0	2	122	2	124.00	
14:00 - 14:15	0	0	105	9	0	0	0	114	0	114.00	
14:15 - 14:30	0	0	111	7	0	2	1	121	3	124.60	
TOTAL	0	2	1325	80	4	3	13	1427	20	1444.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	1	429	38	2	0	4	474	6	478.40	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	1	450	31	2	0	3	487	5	490.40	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

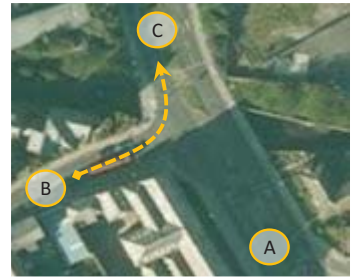
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals

Movement 6.2: Millgate to A92 (Burnside Drive) (North) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	13	1	0	0	0	14	0	14.00	
11:45 - 12:00	0	0	28	0	0	0	0	28	0	28.00	
12:00 - 12:15	0	0	28	2	0	0	0	30	0	30.00	
12:15 - 12:30	0	1	22	1	0	0	0	24	0	23.40	
12:30 - 12:45	0	0	21	2	0	0	0	23	0	23.00	
12:45 - 13:00	1	0	31	0	1	0	0	33	1	32.70	
13:00 - 13:15	0	0	21	1	0	0	0	22	0	22.00	
13:15 - 13:30	0	0	20	0	0	0	0	20	0	20.00	
13:30 - 13:45	0	0	17	0	0	0	0	17	0	17.00	
13:45 - 14:00	1	0	14	0	0	0	1	16	1	16.20	
14:00 - 14:15	0	0	26	0	0	0	0	26	0	26.00	
14:15 - 14:30	0	0	22	3	0	0	0	25	0	25.00	
TOTAL	2	1	263	10	1	0	1	278	2	277.30	

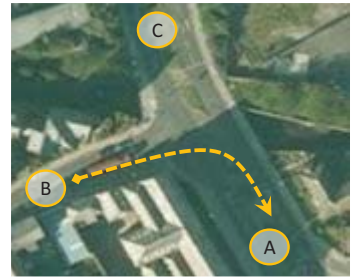
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	1	99	5	0	0	0	105	0	104.40	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	1	1	95	4	1	0	0	102	1	101.10	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals
 Movement 6.3: Millgate to A92 (Burnside Drive) (South) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	13	2	0	0	0	15	0	15.00	
11:45 - 12:00	0	0	14	0	0	0	0	14	0	14.00	
12:00 - 12:15	0	0	19	0	0	0	0	19	0	19.00	
12:15 - 12:30	0	0	13	0	0	0	0	13	0	13.00	
12:30 - 12:45	0	0	8	0	0	0	0	8	0	8.00	
12:45 - 13:00	0	0	6	1	0	0	0	7	0	7.00	
13:00 - 13:15	0	0	8	1	0	0	0	9	0	9.00	
13:15 - 13:30	0	0	8	1	0	0	0	9	0	9.00	
13:30 - 13:45	0	0	9	1	0	0	0	10	0	10.00	
13:45 - 14:00	0	0	9	2	0	0	0	11	0	11.00	
14:00 - 14:15	0	0	12	1	0	0	0	13	0	13.00	
14:15 - 14:30	0	0	8	1	0	0	0	9	0	9.00	
TOTAL	0	0	127	10	0	0	0	137	0	137.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	0	54	0	0	0	0	54	0	54.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	35	2	0	0	0	37	0	37.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

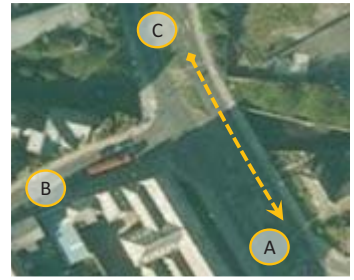
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals

Movement 6.4: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (South) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	73	7	1	0	1	82	2	83.50	
11:45 - 12:00	0	0	88	4	0	3	0	95	3	98.90	
12:00 - 12:15	0	0	89	1	1	1	1	93	3	95.80	
12:15 - 12:30	0	0	87	4	1	0	1	93	2	94.50	
12:30 - 12:45	0	0	76	7	1	2	0	86	3	89.10	
12:45 - 13:00	0	0	78	4	1	0	1	84	2	85.50	
13:00 - 13:15	0	0	92	5	2	0	1	100	3	102.00	
13:15 - 13:30	0	1	79	10	0	0	0	90	0	89.40	
13:30 - 13:45	0	0	82	1	0	0	2	85	2	87.00	
13:45 - 14:00	0	0	67	5	0	0	1	73	1	74.00	
14:00 - 14:15	0	0	86	8	1	0	3	98	4	101.50	
14:15 - 14:30	1	0	90	7	0	0	1	99	1	99.20	
TOTAL	1	1	987	63	8	6	12	1078	26	1100.40	

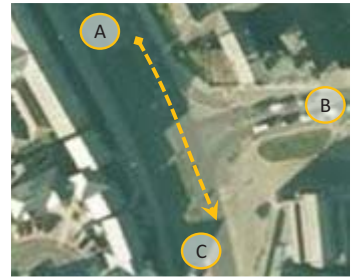
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:45 - 12:45	0	0	340	16	3	6	2	367	11	378.30	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	333	20	5	2	3	363	10	371.10	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals
 Movement 7.1: A92 (Burnside Drive) (North) to A92 (Burnside Drive) (South) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	81	11	0	0	1	93	1	94.00	
11:45 - 12:00	0	0	106	4	2	2	0	114	4	117.60	
12:00 - 12:15	0	0	100	2	1	0	1	104	2	105.50	
12:15 - 12:30	0	0	103	2	1	1	1	108	3	110.80	
12:30 - 12:45	0	0	82	8	2	0	2	94	4	97.00	
12:45 - 13:00	0	0	80	7	2	0	0	89	2	90.00	
13:00 - 13:15	0	0	97	13	1	0	2	113	3	115.50	
13:15 - 13:30	0	1	87	10	2	0	0	100	2	100.40	
13:30 - 13:45	0	0	85	2	0	0	1	88	1	89.00	
13:45 - 14:00	0	0	79	9	1	0	2	91	3	93.50	
14:00 - 14:15	0	0	88	11	1	0	3	103	4	106.50	
14:15 - 14:30	0	0	102	7	2	0	1	112	3	114.00	
TOTAL	0	1	1090	86	15	3	14	1209	32	1233.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	1	348	34	4	0	5	392	9	398.40	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	362	30	6	1	5	404	12	413.30	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

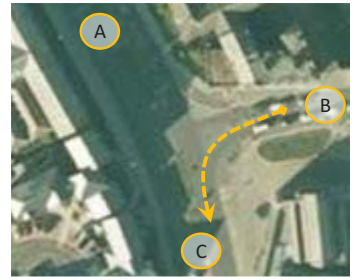
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals

Movement 7.2: Brothock Bridge to A92 (Burnside Drive) (South) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	47	1	0	0	0	48	0	48.00	
11:45 - 12:00	0	0	69	5	0	0	0	74	0	74.00	
12:00 - 12:15	0	0	63	3	0	0	0	66	0	66.00	
12:15 - 12:30	0	0	70	7	0	1	0	78	1	79.30	
12:30 - 12:45	0	1	51	4	0	0	0	56	0	55.40	
12:45 - 13:00	0	0	55	4	0	0	0	59	0	59.00	
13:00 - 13:15	0	0	78	4	0	0	0	82	0	82.00	
13:15 - 13:30	0	1	70	0	0	0	0	71	0	70.40	
13:30 - 13:45	0	0	67	6	0	0	0	73	0	73.00	
13:45 - 14:00	0	0	69	8	0	0	0	77	0	77.00	
14:00 - 14:15	0	0	51	4	0	0	0	55	0	55.00	
14:15 - 14:30	0	0	59	3	0	0	0	62	0	62.00	
TOTAL	0	2	749	49	0	1	0	801	1	801.10	

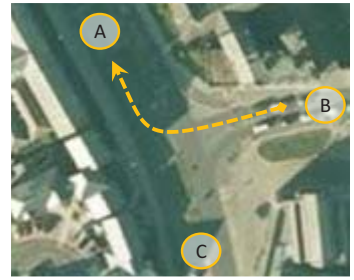
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	1	284	18	0	0	0	303	0	302.40	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	1	254	19	0	1	0	275	1	275.70	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals
 Movement 7.3: Brothock Bridge to A92 (Burnside Drive) (North) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	25	2	0	0	0	27	0	27.00	
11:45 - 12:00	0	0	33	2	0	0	0	35	0	35.00	
12:00 - 12:15	0	0	40	1	0	0	0	41	0	41.00	
12:15 - 12:30	0	0	28	2	0	0	0	30	0	30.00	
12:30 - 12:45	0	1	25	0	0	0	0	26	0	25.40	
12:45 - 13:00	0	0	25	1	0	0	0	26	0	26.00	
13:00 - 13:15	0	0	35	1	0	0	0	36	0	36.00	
13:15 - 13:30	0	0	20	1	0	0	0	21	0	21.00	
13:30 - 13:45	0	1	18	1	0	0	0	20	0	19.40	
13:45 - 14:00	0	0	29	0	0	0	0	29	0	29.00	
14:00 - 14:15	0	0	22	1	0	0	0	23	0	23.00	
14:15 - 14:30	0	0	26	1	0	0	0	27	0	27.00	
TOTAL	0	2	326	13	0	0	0	341	0	339.80	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	1	102	3	0	0	0	106	0	105.40	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	1	113	4	0	0	0	118	0	117.40	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals
 Movement 7.4: A92 (Burnside Drive) (South) to A92 (Burnside Drive) (North) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	65	3	0	1	1	70	2	72.30	
11:45 - 12:00	0	0	67	9	1	0	2	79	3	81.50	
12:00 - 12:15	0	0	70	10	0	0	0	80	0	80.00	
12:15 - 12:30	0	0	81	13	0	0	1	95	1	96.00	
12:30 - 12:45	0	0	73	10	0	0	1	84	1	85.00	
12:45 - 13:00	0	0	78	11	0	0	1	90	1	91.00	
13:00 - 13:15	0	0	95	5	0	0	0	100	0	100.00	
13:15 - 13:30	0	0	108	9	1	0	3	121	4	124.50	
13:30 - 13:45	0	0	74	1	0	0	1	76	1	77.00	
13:45 - 14:00	0	0	93	4	0	0	2	99	2	101.00	
14:00 - 14:15	0	0	83	6	0	0	0	89	0	89.00	
14:15 - 14:30	0	0	84	7	1	2	1	95	4	99.10	
TOTAL	0	0	971	88	3	3	13	1078	19	1096.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	370	19	1	0	6	396	7	402.50	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	327	39	0	0	3	369	3	372.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.1: A92 (Burnside Drive) to Arbroath Harbour Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	2	1	0	0	0	3	0	3.00	
11:45 - 12:00	0	0	3	0	0	0	0	3	0	3.00	
12:00 - 12:15	0	0	3	0	0	0	0	3	0	3.00	
12:15 - 12:30	0	0	4	1	0	0	0	5	0	5.00	
12:30 - 12:45	0	0	7	0	0	0	0	7	0	7.00	
12:45 - 13:00	0	0	5	0	0	0	0	5	0	5.00	
13:00 - 13:15	0	0	5	0	0	0	0	5	0	5.00	
13:15 - 13:30	0	0	5	0	0	0	0	5	0	5.00	
13:30 - 13:45	0	0	6	1	0	0	0	7	0	7.00	
13:45 - 14:00	0	0	5	0	0	0	0	5	0	5.00	
14:00 - 14:15	0	0	3	0	0	0	0	3	0	3.00	
14:15 - 14:30	0	0	3	0	0	0	0	3	0	3.00	
TOTAL	0	0	51	3	0	0	0	54	0	54.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	21	1	0	0	0	22	0	22.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	21	1	0	0	0	22	0	22.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.2: A92 (Burnside Drive) to A92 (Ladyloan) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	77	3	2	0	1	83	3	85.00	
11:45 - 12:00	1	0	119	5	1	3	0	129	4	132.60	
12:00 - 12:15	0	0	110	3	1	0	1	115	2	116.50	
12:15 - 12:30	0	0	138	6	1	2	1	148	4	152.10	
12:30 - 12:45	0	1	103	8	0	0	1	113	1	113.40	
12:45 - 13:00	0	0	94	9	1	0	0	104	1	104.50	
13:00 - 13:15	0	0	146	8	1	0	2	157	3	159.50	
13:15 - 13:30	0	1	106	9	1	0	0	117	1	116.90	
13:30 - 13:45	0	0	123	10	0	0	1	134	1	135.00	
13:45 - 14:00	0	0	121	11	1	0	1	134	2	135.50	
14:00 - 14:15	0	0	107	10	1	0	3	121	4	124.50	
14:15 - 14:30	1	0	118	7	0	0	1	127	1	127.20	
TOTAL	2	2	1362	89	10	5	12	1482	27	1502.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	1	496	38	3	0	4	542	7	546.90	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	1	481	31	3	2	4	522	9	529.50	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.3: A92 (Burnside Drive) to East Mary Street Right Turn (A-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	9	0	0	0	0	9	0	9.00	
11:45 - 12:00	0	0	13	0	0	0	0	13	0	13.00	
12:00 - 12:15	0	0	13	0	0	0	0	13	0	13.00	
12:15 - 12:30	0	0	5	2	0	0	0	7	0	7.00	
12:30 - 12:45	0	0	14	1	0	0	0	15	0	15.00	
12:45 - 13:00	0	0	10	0	0	0	0	10	0	10.00	
13:00 - 13:15	0	0	14	0	0	0	0	14	0	14.00	
13:15 - 13:30	0	0	6	0	0	0	0	6	0	6.00	
13:30 - 13:45	0	0	8	1	0	0	0	9	0	9.00	
13:45 - 14:00	0	0	8	0	0	0	0	8	0	8.00	
14:00 - 14:15	0	0	10	1	0	0	0	11	0	11.00	
14:15 - 14:30	0	0	5	1	0	0	0	6	0	6.00	
TOTAL	0	0	115	6	0	0	0	121	0	121.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	36	1	0	0	0	37	0	37.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	43	3	0	0	0	46	0	46.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.4: A92 (Burnside Drive) to A92 (Burnside Drive) U-Turn (A-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	2	0	0	0	0	2	0	2.00	
11:45 - 12:00	0	0	5	0	0	0	0	5	0	5.00	
12:00 - 12:15	0	0	3	0	0	0	0	3	0	3.00	
12:15 - 12:30	0	0	5	0	0	0	0	5	0	5.00	
12:30 - 12:45	0	0	1	0	0	0	0	1	0	1.00	
12:45 - 13:00	0	0	6	0	0	0	0	6	0	6.00	
13:00 - 13:15	0	0	2	0	0	0	0	2	0	2.00	
13:15 - 13:30	0	0	5	0	0	0	0	5	0	5.00	
13:30 - 13:45	0	0	3	0	0	0	0	3	0	3.00	
13:45 - 14:00	0	0	0	1	0	0	0	1	0	1.00	
14:00 - 14:15	0	0	3	0	0	0	0	3	0	3.00	
14:15 - 14:30	0	0	7	0	0	0	0	7	0	7.00	
TOTAL	0	0	42	1	0	0	0	43	0	43.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	10	1	0	0	0	11	0	11.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	14	0	0	0	0	14	0	14.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.5: Arbroath Harbour to A92 (Ladyloan) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	2	0	0	0	0	2	0	2.00	
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0.00	
12:00 - 12:15	0	0	5	0	0	0	0	5	0	5.00	
12:15 - 12:30	0	0	2	0	0	0	0	2	0	2.00	
12:30 - 12:45	0	0	3	0	0	0	0	3	0	3.00	
12:45 - 13:00	0	0	5	0	0	0	0	5	0	5.00	
13:00 - 13:15	0	0	7	0	0	0	0	7	0	7.00	
13:15 - 13:30	0	0	5	0	0	0	0	5	0	5.00	
13:30 - 13:45	0	0	6	0	0	0	0	6	0	6.00	
13:45 - 14:00	0	0	7	2	0	0	0	9	0	9.00	
14:00 - 14:15	0	0	8	2	0	0	0	10	0	10.00	
14:15 - 14:30	0	0	6	0	0	0	0	6	0	6.00	
TOTAL	0	0	56	4	0	0	0	60	0	60.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	25	2	0	0	0	27	0	27.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	17	0	0	0	0	17	0	17.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.6: Arbroath Harbour to East Mary Street Ahead (B-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0.00	
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0.00	
12:00 - 12:15	0	0	0	0	0	0	0	0	0	0.00	
12:15 - 12:30	0	0	1	0	0	0	0	1	0	1.00	
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0.00	
12:45 - 13:00	0	0	0	0	0	0	0	0	0	0.00	
13:00 - 13:15	0	0	1	0	0	0	0	1	0	1.00	
13:15 - 13:30	0	0	0	0	0	0	0	0	0	0.00	
13:30 - 13:45	0	0	0	0	0	0	0	0	0	0.00	
13:45 - 14:00	0	0	3	0	0	0	0	3	0	3.00	
14:00 - 14:15	0	0	1	0	0	0	0	1	0	1.00	
14:15 - 14:30	0	0	1	0	0	0	0	1	0	1.00	
TOTAL	0	0	7	0	0	0	0	7	0	7.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	4	0	0	0	0	4	0	4.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	2	0	0	0	0	2	0	2.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.7: Arbroath Harbour to A92 (Burnside Drive) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	3	0	0	0	0	3	0	3.00	
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0.00	
12:00 - 12:15	0	0	3	1	0	0	0	4	0	4.00	
12:15 - 12:30	0	0	2	2	0	0	0	4	0	4.00	
12:30 - 12:45	0	0	4	0	0	0	0	4	0	4.00	
12:45 - 13:00	0	0	2	0	0	0	0	2	0	2.00	
13:00 - 13:15	0	0	3	0	0	0	0	3	0	3.00	
13:15 - 13:30	0	0	4	1	0	0	0	5	0	5.00	
13:30 - 13:45	0	0	7	0	0	0	0	7	0	7.00	
13:45 - 14:00	0	0	4	0	0	0	0	4	0	4.00	
14:00 - 14:15	0	0	8	0	0	0	0	8	0	8.00	
14:15 - 14:30	0	0	3	0	1	0	0	4	1	4.50	
TOTAL	0	0	43	4	1	0	0	48	1	48.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	18	1	0	0	0	19	0	19.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	11	2	0	0	0	13	0	13.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.9: A92 (Ladyloan) to East Mary Street Left Turn (C-D)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	2	0	0	0	0	2	0	2.00	
11:45 - 12:00	0	0	2	0	0	0	0	2	0	2.00	
12:00 - 12:15	0	0	0	0	0	0	0	0	0	0.00	
12:15 - 12:30	0	0	2	0	0	0	0	2	0	2.00	
12:30 - 12:45	0	0	3	0	0	0	0	3	0	3.00	
12:45 - 13:00	0	0	2	0	0	0	0	2	0	2.00	
13:00 - 13:15	0	0	2	0	0	0	0	2	0	2.00	
13:15 - 13:30	0	0	1	1	0	0	0	2	0	2.00	
13:30 - 13:45	0	0	3	0	0	0	0	3	0	3.00	
13:45 - 14:00	0	0	2	0	0	0	0	2	0	2.00	
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0.00	
14:15 - 14:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	19	1	0	0	0	20	0	20.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	8	1	0	0	0	9	0	9.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	9	0	0	0	0	9	0	9.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout

Movement 8.10: A92 (Ladyloan) to A92 (Burnside Drive) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	93	3	0	1	1	98	2	100.30	
11:45 - 12:00	0	0	101	6	0	0	2	109	2	111.00	
12:00 - 12:15	0	0	88	7	0	0	0	95	0	95.00	
12:15 - 12:30	0	0	105	12	1	0	1	119	2	120.50	
12:30 - 12:45	0	0	107	5	0	0	1	113	1	114.00	
12:45 - 13:00	0	0	105	9	0	0	1	115	1	116.00	
13:00 - 13:15	0	0	116	7	0	0	0	123	0	123.00	
13:15 - 13:30	0	0	129	5	0	0	3	137	3	140.00	
13:30 - 13:45	0	0	104	1	0	0	1	106	1	107.00	
13:45 - 14:00	0	0	113	6	0	0	2	121	2	123.00	
14:00 - 14:15	0	0	106	8	0	0	0	114	0	114.00	
14:15 - 14:30	0	0	110	5	0	2	1	118	3	121.60	
TOTAL	0	0	1277	74	1	3	13	1368	17	1385.40	

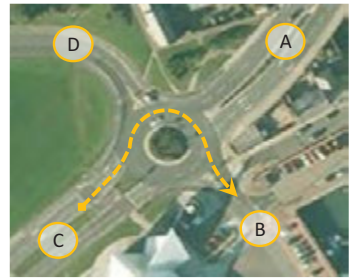
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	462	19	0	0	6	487	6	493.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	433	33	1	0	3	470	4	473.50	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.11: A92 (Ladyloan) to Arbroath Harbour Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	5	1	0	0	0	6	0	6.00	
11:45 - 12:00	0	0	4	1	0	0	0	5	0	5.00	
12:00 - 12:15	0	0	5	0	0	0	0	5	0	5.00	
12:15 - 12:30	0	0	2	0	0	0	0	2	0	2.00	
12:30 - 12:45	0	0	4	0	0	0	0	4	0	4.00	
12:45 - 13:00	0	0	5	0	0	0	0	5	0	5.00	
13:00 - 13:15	0	0	4	1	0	0	0	5	0	5.00	
13:15 - 13:30	0	0	1	0	0	0	0	1	0	1.00	
13:30 - 13:45	0	0	7	0	0	0	0	7	0	7.00	
13:45 - 14:00	0	0	5	0	0	0	0	5	0	5.00	
14:00 - 14:15	0	0	4	1	0	0	0	5	0	5.00	
14:15 - 14:30	0	0	6	0	0	0	0	6	0	6.00	
TOTAL	0	0	52	4	0	0	0	56	0	56.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	17	1	0	0	0	18	0	18.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	15	1	0	0	0	16	0	16.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout

Movement 8.12: A92 (Ladyloan) to A92 (Ladyloan) U-Turn (C-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0	0.00
11:45 - 12:00	0	0	0	0	0	0	0	0	0	0	0.00
12:00 - 12:15	0	0	0	0	0	0	0	0	0	0	0.00
12:15 - 12:30	0	0	0	0	0	0	0	0	0	0	0.00
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0	0.00
12:45 - 13:00	0	0	3	0	0	0	0	3	0	3	3.00
13:00 - 13:15	0	0	2	0	0	0	0	2	0	2	2.00
13:15 - 13:30	0	0	2	0	0	0	0	2	0	2	2.00
13:30 - 13:45	0	0	1	0	0	0	0	1	0	1	1.00
13:45 - 14:00	0	0	1	0	0	0	0	1	0	1	1.00
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0	0.00
14:15 - 14:30	0	0	1	0	0	0	0	1	0	1	1.00
TOTAL	0	0	10	0	0	0	0	10	0	10	10.00

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	6	0	0	0	0	6	0	6.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	5	0	0	0	0	5	0	5.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout
 Movement 8.13: East Mary Street to A92 (Burnside Drive) Left Turn (D-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	16	2	0	0	1	19	1	20.00	
11:45 - 12:00	0	0	8	1	0	0	0	9	0	9.00	
12:00 - 12:15	0	0	12	1	0	0	0	13	0	13.00	
12:15 - 12:30	0	0	13	3	0	0	0	16	0	16.00	
12:30 - 12:45	0	0	14	0	0	0	0	14	0	14.00	
12:45 - 13:00	0	0	14	3	0	0	0	17	0	17.00	
13:00 - 13:15	0	0	12	2	0	0	0	14	0	14.00	
13:15 - 13:30	0	0	20	3	1	0	0	24	1	24.50	
13:30 - 13:45	0	0	17	0	0	0	1	18	1	19.00	
13:45 - 14:00	0	0	6	1	0	0	0	7	0	7.00	
14:00 - 14:15	0	0	10	1	0	0	0	11	0	11.00	
14:15 - 14:30	0	0	9	1	0	0	0	10	0	10.00	
TOTAL	0	0	151	18	1	0	2	172	3	174.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	55	6	1	0	1	63	2	64.50	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	53	8	0	0	0	61	0	61.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout

Movement 8.14: East Mary Street to Arbroath Harbour Ahead (D-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0.00	
11:45 - 12:00	0	0	2	0	0	0	0	2	0	2.00	
12:00 - 12:15	0	0	1	0	0	0	0	1	0	1.00	
12:15 - 12:30	0	0	1	0	0	0	0	1	0	1.00	
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0.00	
12:45 - 13:00	0	0	3	0	0	0	0	3	0	3.00	
13:00 - 13:15	0	0	1	0	0	0	0	1	0	1.00	
13:15 - 13:30	0	0	1	0	0	0	0	1	0	1.00	
13:30 - 13:45	0	0	1	0	0	0	0	1	0	1.00	
13:45 - 14:00	0	0	1	0	0	0	0	1	0	1.00	
14:00 - 14:15	0	0	5	2	0	0	0	7	0	7.00	
14:15 - 14:30	0	0	3	0	1	0	0	4	1	4.50	
TOTAL	0	0	19	2	1	0	0	22	1	22.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	4	0	0	0	0	4	0	4.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	5	0	0	0	0	5	0	5.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout

Movement 8.15: East Mary Street to A92 (Ladyloan) Right Turn (D-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	6	0	0	0	0	6	0	6.00	
11:45 - 12:00	0	0	2	1	0	0	0	3	0	3.00	
12:00 - 12:15	0	0	4	1	0	0	0	5	0	5.00	
12:15 - 12:30	0	0	1	0	0	0	0	1	0	1.00	
12:30 - 12:45	0	0	5	0	0	0	0	5	0	5.00	
12:45 - 13:00	0	0	5	0	0	0	0	5	0	5.00	
13:00 - 13:15	0	0	2	0	0	0	0	2	0	2.00	
13:15 - 13:30	0	0	3	0	0	0	0	3	0	3.00	
13:30 - 13:45	0	0	8	0	0	0	0	8	0	8.00	
13:45 - 14:00	0	0	2	0	0	0	0	2	0	2.00	
14:00 - 14:15	0	0	3	0	0	0	0	3	0	3.00	
14:15 - 14:30	0	0	1	0	0	0	0	1	0	1.00	
TOTAL	0	0	42	2	0	0	0	44	0	44.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	15	0	0	0	0	15	0	15.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	13	0	0	0	0	13	0	13.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

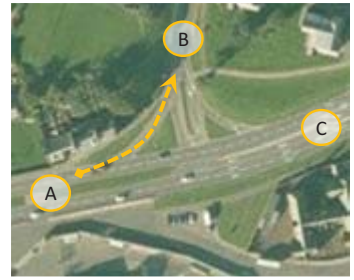
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction

Movement 9.1: A92 (Ladyloan) to Millgate Loan Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	4	0	0	0	0	4	0	4.00	
11:45 - 12:00	0	0	4	0	0	0	0	4	0	4.00	
12:00 - 12:15	0	0	4	0	0	0	0	4	0	4.00	
12:15 - 12:30	0	0	5	1	0	0	0	6	0	6.00	
12:30 - 12:45	0	0	3	1	0	0	0	4	0	4.00	
12:45 - 13:00	0	0	2	1	0	0	0	3	0	3.00	
13:00 - 13:15	0	0	4	0	0	0	0	4	0	4.00	
13:15 - 13:30	0	0	4	0	0	0	0	4	0	4.00	
13:30 - 13:45	0	0	5	0	0	0	0	5	0	5.00	
13:45 - 14:00	0	0	3	1	0	0	0	4	0	4.00	
14:00 - 14:15	0	0	5	0	0	0	0	5	0	5.00	
14:15 - 14:30	0	0	6	1	0	0	0	7	0	7.00	
TOTAL	0	0	49	5	0	0	0	54	0	54.00	

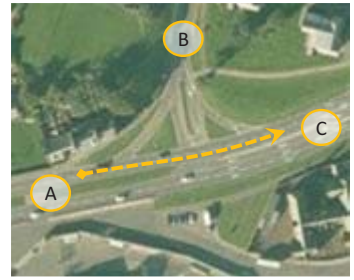
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	16	1	0	0	0	17	0	17.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	14	3	0	0	0	17	0	17.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction
 Movement 9.2: A92 (Ladyloan) to A92 (Dundee Road) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	91	5	0	1	1	98	2	100.30	
11:45 - 12:00	0	0	111	10	0	0	2	123	2	125.00	
12:00 - 12:15	0	0	96	10	0	0	0	106	0	106.00	
12:15 - 12:30	0	0	113	14	0	0	1	128	1	129.00	
12:30 - 12:45	0	0	119	7	0	0	1	127	1	128.00	
12:45 - 13:00	0	0	114	11	0	0	1	126	1	127.00	
13:00 - 13:15	0	0	119	8	0	0	0	127	0	127.00	
13:15 - 13:30	0	0	127	4	0	0	3	134	3	137.00	
13:30 - 13:45	0	0	111	1	0	0	1	113	1	114.00	
13:45 - 14:00	0	0	124	8	0	0	2	134	2	136.00	
14:00 - 14:15	0	0	115	8	0	1	0	124	1	125.30	
14:15 - 14:30	1	0	124	5	0	1	1	132	2	133.50	
TOTAL	1	0	1364	91	0	3	13	1472	16	1488.10	

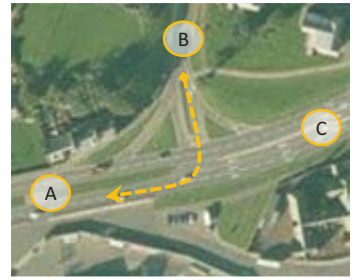
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	481	21	0	0	6	508	6	514.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	465	40	0	0	3	508	3	511.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction
 Movement 9.4: Millgate Loan to A92 (Ladyloan) Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	5	1	0	0	0	6	0	6.00	
11:45 - 12:00	0	0	7	0	0	0	0	7	0	7.00	
12:00 - 12:15	0	0	7	0	0	0	0	7	0	7.00	
12:15 - 12:30	0	0	11	0	0	0	0	11	0	11.00	
12:30 - 12:45	0	0	9	0	0	0	0	9	0	9.00	
12:45 - 13:00	0	0	6	1	0	0	0	7	0	7.00	
13:00 - 13:15	0	0	6	0	0	0	0	6	0	6.00	
13:15 - 13:30	0	0	6	0	0	0	0	6	0	6.00	
13:30 - 13:45	0	0	11	1	0	0	0	12	0	12.00	
13:45 - 14:00	0	0	10	0	0	0	0	10	0	10.00	
14:00 - 14:15	0	0	12	0	0	0	0	12	0	12.00	
14:15 - 14:30	0	0	3	0	0	0	0	3	0	3.00	
TOTAL	0	0	93	3	0	0	0	96	0	96.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	33	1	0	0	0	34	0	34.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	32	1	0	0	0	33	0	33.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

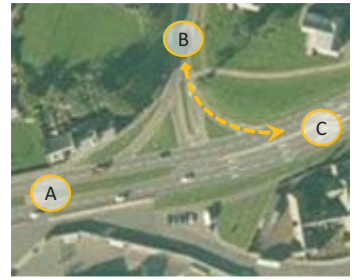
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction

Movement 9.3: Millgate Loan to A92 (Dundee Road) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	3	0	0	0	0	3	0	3.00	
11:45 - 12:00	0	0	2	1	0	0	0	3	0	3.00	
12:00 - 12:15	0	0	1	0	0	0	0	1	0	1.00	
12:15 - 12:30	0	0	4	0	0	0	0	4	0	4.00	
12:30 - 12:45	0	0	2	0	0	0	0	2	0	2.00	
12:45 - 13:00	0	0	4	0	0	0	0	4	0	4.00	
13:00 - 13:15	0	0	6	0	0	0	0	6	0	6.00	
13:15 - 13:30	0	0	5	0	0	0	0	5	0	5.00	
13:30 - 13:45	0	0	1	0	0	0	0	1	0	1.00	
13:45 - 14:00	0	0	1	0	0	0	0	1	0	1.00	
14:00 - 14:15	0	0	0	0	0	0	0	0	0	0.00	
14:15 - 14:30	0	0	1	0	0	0	0	1	0	1.00	
TOTAL	0	0	30	1	0	0	0	31	0	31.00	

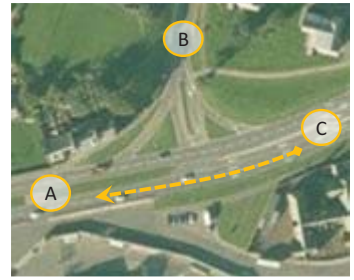
PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	13	0	0	0	0	13	0	13.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	16	0	0	0	0	16	0	16.00	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction
 Movement 9.5: A92 (Dundee Road) to A92 (Ladyloan) Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	86	5	1	0	1	93	2	94.50	
11:45 - 12:00	0	0	105	11	1	2	0	119	3	122.10	
12:00 - 12:15	0	0	120	7	1	0	1	129	2	130.50	
12:15 - 12:30	1	0	132	8	1	1	1	144	3	146.00	
12:30 - 12:45	0	1	113	9	0	1	1	125	2	126.70	
12:45 - 13:00	0	0	108	12	2	0	0	122	2	123.00	
13:00 - 13:15	0	0	151	5	2	0	2	160	4	163.00	
13:15 - 13:30	0	0	125	8	0	0	0	133	0	133.00	
13:30 - 13:45	0	1	121	9	0	0	1	132	1	132.40	
13:45 - 14:00	0	0	124	15	3	0	0	142	3	143.50	
14:00 - 14:15	0	0	131	15	1	0	3	150	4	153.50	
14:15 - 14:30	0	0	120	8	1	0	1	130	2	131.50	
TOTAL	1	2	1436	112	13	4	11	1579	28	1599.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	1	521	37	5	0	3	567	8	571.90	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	1	1	504	34	5	2	4	551	11	558.70	

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

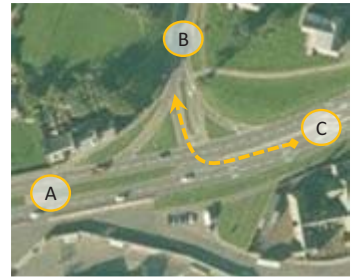
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction

Movement 9.6: A92 (Dundee Road) to Millgate Loan Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0.00	
11:45 - 12:00	0	0	1	0	0	0	0	1	0	1.00	
12:00 - 12:15	0	0	2	0	0	0	0	2	0	2.00	
12:15 - 12:30	0	0	4	0	0	0	0	4	0	4.00	
12:30 - 12:45	0	0	2	0	0	0	0	2	0	2.00	
12:45 - 13:00	0	0	2	0	0	0	0	2	0	2.00	
13:00 - 13:15	0	0	3	0	0	0	0	3	0	3.00	
13:15 - 13:30	0	0	1	0	0	0	0	1	0	1.00	
13:30 - 13:45	0	0	2	0	0	0	0	2	0	2.00	
13:45 - 14:00	0	0	0	1	0	0	1	2	1	3.00	
14:00 - 14:15	0	0	1	0	0	0	0	1	0	1.00	
14:15 - 14:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	18	1	0	0	1	20	1	21.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
13:00 - 14:00	0	0	6	1	0	0	1	8	1	9.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	11	0	0	0	0	11	0	11.00	

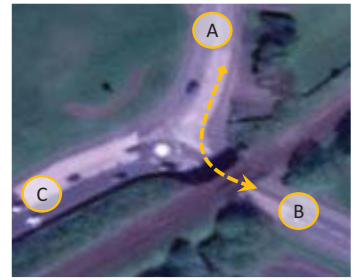
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.1: B964 to A92 (Dundee Road) (East) Left Turn (A-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	7	0	0	0	0	7	0	7.00	
11:45 - 12:00	0	0	11	2	0	0	0	13	0	13.00	
12:00 - 12:15	0	0	12	0	0	0	0	12	0	12.00	
12:15 - 12:30	0	0	15	1	0	0	0	16	0	16.00	
12:30 - 12:45	0	0	11	0	0	0	0	11	0	11.00	
12:45 - 13:00	0	0	12	0	0	0	0	12	0	12.00	
13:00 - 13:15	0	0	4	0	0	0	0	4	0	4.00	
13:15 - 13:30	0	0	10	2	0	0	0	12	0	12.00	
13:30 - 13:45	0	0	6	1	0	0	0	7	0	7.00	
13:45 - 14:00	0	0	17	0	0	0	0	17	0	17.00	
14:00 - 14:15	0	0	9	0	0	0	0	9	0	9.00	
14:15 - 14:30	2	0	10	0	0	0	0	12	0	10.40	
TOTAL	2	0	124	6	0	0	0	132	0	130.40	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	42	1	0	0	0	43	0	43.00	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	42	1	0	0	0	43	0	43.00	

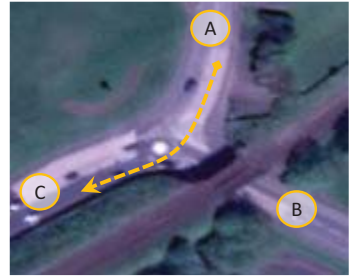
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.2: B964 to A92 (Dundee Road) (West) Ahead (A-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	25	1	0	0	0	26	0	26.00	
11:45 - 12:00	0	0	19	3	0	0	0	22	0	22.00	
12:00 - 12:15	0	0	24	4	0	0	0	28	0	28.00	
12:15 - 12:30	0	0	27	3	0	0	0	30	0	30.00	
12:30 - 12:45	0	0	25	1	0	0	0	26	0	26.00	
12:45 - 13:00	0	0	10	1	0	0	0	11	0	11.00	
13:00 - 13:15	0	0	28	0	0	0	0	28	0	28.00	
13:15 - 13:30	0	0	22	3	1	0	0	26	1	26.50	
13:30 - 13:45	0	0	21	2	0	0	0	23	0	23.00	
13:45 - 14:00	0	0	20	0	1	0	0	21	1	21.50	
14:00 - 14:15	0	0	19	3	0	0	0	22	0	22.00	
14:15 - 14:30	0	0	26	0	0	0	0	26	0	26.00	
TOTAL	0	0	266	21	2	0	0	289	2	290.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	90	5	0	0	0	95	0	95	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	90	5	0	0	0	95	0	95	

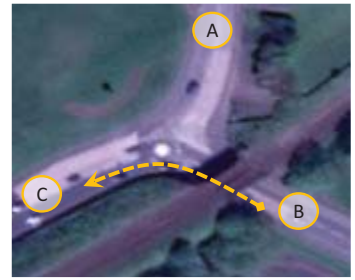
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.4: A92 (Dundee Street) (East) to A92 (Dundee Street) (West) Left Turn (B-C)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	92	4	2	0	1	99	3	101.00	
11:45 - 12:00	0	0	95	8	0	3	0	106	3	109.90	
12:00 - 12:15	0	0	125	5	0	0	1	131	1	132.00	
12:15 - 12:30	0	0	147	5	0	2	1	155	3	158.60	
12:30 - 12:45	0	0	122	9	0	1	1	133	2	135.30	
12:45 - 13:00	0	0	103	11	1	1	0	116	2	117.80	
13:00 - 13:15	0	0	125	9	0	1	1	136	2	138.30	
13:15 - 13:30	0	0	128	7	0	0	0	135	0	135.00	
13:30 - 13:45	0	0	116	8	0	0	1	125	1	126.00	
13:45 - 14:00	0	0	130	7	2	0	0	139	2	140.00	
14:00 - 14:15	0	0	131	12	0	1	3	147	4	151.30	
14:15 - 14:30	0	0	126	8	1	0	1	136	2	137.50	
TOTAL	0	0	1440	93	6	9	10	1558	25	1582.70	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	497	34	1	5	3	540	9	550	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	497	34	1	5	3	540	9	550	

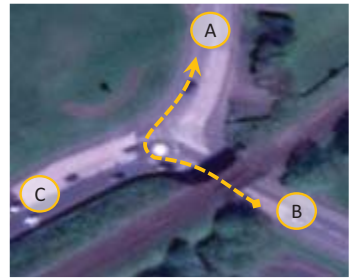
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.5: A92 (Dundee Street) (East) to B964 Right Turn (B-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	6	0	0	0	0	6	0	6.00	
11:45 - 12:00	0	0	5	1	1	0	0	7	1	7.50	
12:00 - 12:15	0	0	9	1	0	0	0	10	0	10.00	
12:15 - 12:30	0	0	6	2	0	0	0	8	0	8.00	
12:30 - 12:45	0	0	7	0	0	0	0	7	0	7.00	
12:45 - 13:00	0	0	9	0	0	0	0	9	0	9.00	
13:00 - 13:15	0	0	6	0	0	0	0	6	0	6.00	
13:15 - 13:30	0	0	10	2	0	0	0	12	0	12.00	
13:30 - 13:45	0	0	13	0	0	0	0	13	0	13.00	
13:45 - 14:00	0	0	7	0	0	0	0	7	0	7.00	
14:00 - 14:15	0	0	7	1	0	0	0	8	0	8.00	
14:15 - 14:30	0	0	6	0	0	0	0	6	0	6.00	
TOTAL	0	0	91	7	1	0	0	99	1	99.50	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	28	2	0	0	0	30	0	30	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	28	2	0	0	0	30	0	30	

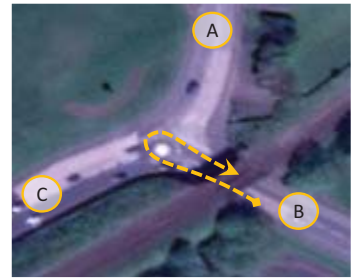
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.6: A92 (Dundee Street) (East) to A92 (Dundee Street) (East) U-Turn (B-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	0	0	0	0	0	0	0	0.00	
11:45 - 12:00	0	0	1	0	0	0	0	1	0	1.00	
12:00 - 12:15	0	0	0	0	0	0	0	0	0	0.00	
12:15 - 12:30	0	0	0	0	0	0	0	0	0	0.00	
12:30 - 12:45	0	0	0	0	0	0	0	0	0	0.00	
12:45 - 13:00	0	0	0	0	0	0	0	0	0	0.00	
13:00 - 13:15	0	0	2	0	0	0	0	2	0	2.00	
13:15 - 13:30	0	0	0	0	0	0	0	0	0	0.00	
13:30 - 13:45	0	0	0	0	0	0	0	0	0	0.00	
13:45 - 14:00	0	0	0	0	0	0	0	0	0	0.00	
14:00 - 14:15	0	0	1	0	0	0	0	1	0	1.00	
14:15 - 14:30	0	0	0	0	0	0	0	0	0	0.00	
TOTAL	0	0	4	0	0	0	0	4	0	4.00	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	2	0	0	0	0	2	0	2	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	2	0	0	0	0	2	0	2	

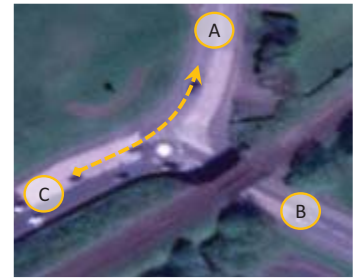
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.7: A92 (Dundee Street) (West) to B964 Ahead (C-A)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	17	1	0	0	0	18	0	18.00	
11:45 - 12:00	1	0	15	1	0	0	0	17	0	16.20	
12:00 - 12:15	0	0	13	1	0	0	0	14	0	14.00	
12:15 - 12:30	0	0	14	0	0	0	0	14	0	14.00	
12:30 - 12:45	0	0	8	1	0	0	0	9	0	9.00	
12:45 - 13:00	0	0	23	2	1	0	0	26	1	26.50	
13:00 - 13:15	0	0	18	1	1	0	0	20	1	20.50	
13:15 - 13:30	0	0	19	1	0	0	0	20	0	20.00	
13:30 - 13:45	0	0	16	1	0	0	1	18	1	19.00	
13:45 - 14:00	0	0	17	1	0	0	0	18	0	18.00	
14:00 - 14:15	0	0	19	1	0	0	0	20	0	20.00	
14:15 - 14:30	0	0	19	3	0	0	0	22	0	22.00	
TOTAL	1	0	198	14	2	0	1	216	3	217.20	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	63	4	2	0	0	69	2	70	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	63	4	2	0	0	69	2	70	

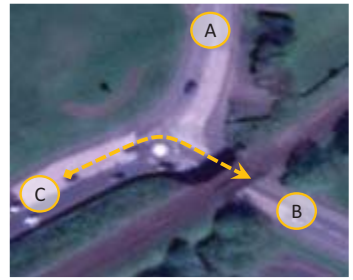
CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project.Ref. TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout

Movement 10.8: A92 (Dundee Street) (West) to A92 (Dundee Street) (East) Right Turn (C-B)



TIME	VEHICLE CLASSIFICATION								TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
11:30 - 11:45	0	0	90	7	0	1	2	100	3	103.30	
11:45 - 12:00	0	0	101	10	1	0	1	113	2	114.50	
12:00 - 12:15	0	0	99	14	0	0	0	113	0	113.00	
12:15 - 12:30	0	0	129	16	0	0	1	146	1	147.00	
12:30 - 12:45	0	0	126	7	0	0	1	134	1	135.00	
12:45 - 13:00	0	0	118	12	1	0	1	132	2	133.50	
13:00 - 13:15	0	0	125	10	1	0	0	136	1	136.50	
13:15 - 13:30	0	0	131	6	1	0	3	141	4	144.50	
13:30 - 13:45	0	0	116	1	0	0	2	119	2	121.00	
13:45 - 14:00	0	0	123	13	0	0	0	136	0	136.00	
14:00 - 14:15	0	0	113	14	0	1	0	128	1	129.30	
14:15 - 14:30	1	0	129	6	0	1	1	138	2	139.50	
TOTAL	1	0	1400	116	4	3	12	1536	19	1553.10	

PEAK	VEHICLE CLASSIFICATION								TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	498	45	2	0	3	548	5	552	
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs	
12:15 - 13:15	0	0	498	45	2	0	3	548	5	552	

VEHICLE QUEUE SURVEYS

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018

Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE								
	A92 (North)		Guthrie Port (East)		A92 (Burnside Drive) (South)		Guthrie Port (West)		
	Near. (A-BC)	Off. (A-CD)	Near. (B-C)	Off. (B-AD)	Near. (C-D)	Off. (C-AB)	Near. (D-A)	Off. (D-BC)	
08:30	08:35	1	7	0	1	1	1	4	1
08:35	08:40	2	4	0	1	1	5	0	4
08:40	08:45	2	9	0	2	1	4	0	1
08:45	08:50	1	6	1	1	1	5	2	2
08:50	08:55	4	5	1	1	5	4	0	1
08:55	09:00	1	6	1	0	2	7	3	2
09:00	09:05	7	3	1	2	1	5	2	4
09:05	09:10	2	7	1	1	1	3	1	1
09:10	09:15	2	3	2	1	2	1	0	1
09:15	09:20	3	1	1	1	1	0	3	0
09:20	09:25	4	4	0	1	1	3	1	3
09:25	09:30	2	3	0	1	2	4	0	2
09:30	09:35	2	1	1	0	3	4	2	2
09:35	09:40	2	1	0	1	1	1	0	3
09:40	09:45	3	2	1	1	3	2	3	3
09:45	09:50	1	2	1	0	1	1	0	0
09:50	09:55	0	2	2	1	1	3	1	1
09:55	10:00	3	1	0	0	1	0	1	0

QUEUE	NETWORK PEAK HOUR (08:45-09:45)							
MINIMUM	1	1	0	0	1	0	0	0
MAXIMUM	7	7	2	2	5	7	3	4
AVERAGE	3	4	1	1	2	3	1	2
85th%ILE	4	6	1	1	3	5	3	3

TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE								
	A92 (North)		Guthrie Port (East)		A92 (Burnside Drive) (South)		Guthrie Port (West)		
	Near. (A-BC)	Off. (A-CD)	Near. (B-C)	Off. (B-AD)	Near. (C-D)	Off. (C-AB)	Near. (D-A)	Off. (D-BC)	
16:00	16:05	5	9	1	2	3	2	4	3
16:05	16:10	3	5	0	2	3	4	4	2
16:10	16:15	1	4	1	2	1	10	4	1
16:15	16:20	2	2	0	0	2	3	2	3
16:20	16:25	1	5	0	2	2	9	1	2
16:25	16:30	1	1	0	0	1	5	0	3
16:30	16:35	1	2	1	1	4	3	2	1
16:35	16:40	2	6	1	1	3	6	4	2
16:40	16:45	3	1	0	1	4	7	4	3
16:45	16:50	2	9	1	2	1	12	1	2
16:50	16:55	2	6	0	1	5	16	3	3
16:55	17:00	1	4	0	1	4	5	1	4
17:00	17:05	1	5	0	1	6	11	1	1
17:05	17:10	3	5	1	1	4	9	5	2
17:10	17:15	3	5	0	1	2	12	2	5
17:15	17:20	1	7	0	1	2	7	5	1
17:20	17:25	2	5	1	1	5	5	2	2
17:25	17:30	1	2	0	0	3	3	9	0

QUEUE	NETWORK PEAK HOUR (16:15-17:15)							
MINIMUM	1	1	0	0	1	3	0	1
MAXIMUM	3	9	1	2	6	16	5	5
AVERAGE	2	4	0	1	3	8	2	3
85th%ILE	3	6	1	1	4	12	4	3

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE			
	A92 (Burnside Drive) (North)	Hume Street		A92 (Burnside Drive) (South) (C-AB)
		Near. (B-A)	Off. (B-A)	
08:30 - 08:35	-	0	1	-
08:35 - 08:40	-	1	1	-
08:40 - 08:45	-	1	1	-
08:45 - 08:50	-	0	1	-
08:50 - 08:55	-	1	1	-
08:55 - 09:00	-	0	0	-
09:00 - 09:05	-	0	2	-
09:05 - 09:10	-	0	1	-
09:10 - 09:15	-	1	2	-
09:15 - 09:20	-	1	2	-
09:20 - 09:25	-	0	2	-
09:25 - 09:30	-	0	0	-
09:30 - 09:35	-	1	2	-
09:35 - 09:40	-	0	1	-
09:40 - 09:45	-	0	1	-
09:45 - 09:50	-	0	1	-
09:50 - 09:55	-	0	1	-
09:55 - 10:00	-	1	1	-
QUEUE	NETWORK PEAK HOUR (08:45-09:45)			
MINIMUM	-	0	0	-
MAXIMUM	-	1	2	-
AVERAGE	-	0	1	-
85th%ILE	-	1	2	-

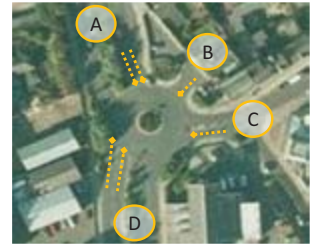
TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE			
	A92 (Burnside Drive) (North)	Hume Street		A92 (Burnside Drive) (South) (C-AB)
		Near. (B-A)	Off. (B-A)	
16:00 - 16:05	-	0	1	-
16:05 - 16:10	-	1	3	-
16:10 - 16:15	-	1	3	-
16:15 - 16:20	-	0	3	-
16:20 - 16:25	-	1	2	-
16:25 - 16:30	-	1	2	-
16:30 - 16:35	-	1	1	-
16:35 - 16:40	-	1	2	-
16:40 - 16:45	-	1	3	-
16:45 - 16:50	-	1	3	-
16:50 - 16:55	-	1	3	-
16:55 - 17:00	-	1	1	-
17:00 - 17:05	-	0	2	-
17:05 - 17:10	-	2	4	-
17:10 - 17:15	-	0	3	-
17:15 - 17:20	-	2	2	-
17:20 - 17:25	-	1	2	-
17:25 - 17:30	-	0	1	-
QUEUE	NETWORK PEAK HOUR (16:15-17:15)			
MINIMUM	-	0	1	-
MAXIMUM	-	2	4	-
AVERAGE	-	1	2	-
85th%ILE	-	1	3	-

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
	A92 (Burnside Drive) (North)		Guthrie Port (East) (B-ACD)	Lordburn (C-ABD)	A92 (Burnside Drive) (South)		
	Near. (A-BCD)	Off. (A-D)			Near. (D-A)	Off. (D-BC)	
08:30	08:35	3	1	0	0	0	3
08:35	08:40	7	1	0	0	0	0
08:40	08:45	4	1	0	3	0	0
08:45	08:50	1	1	0	2	1	3
08:50	08:55	3	2	0	0	0	2
08:55	09:00	4	1	0	0	0	2
09:00	09:05	6	3	0	2	1	1
09:05	09:10	4	0	0	3	0	5
09:10	09:15	2	1	0	2	0	0
09:15	09:20	3	0	0	1	2	2
09:20	09:25	2	2	0	2	0	2
09:25	09:30	3	2	0	3	0	3
09:30	09:35	11	1	0	0	0	1
09:35	09:40	2	1	0	0	5	5
09:40	09:45	3	1	0	1	0	0
09:45	09:50	0	1	0	6	1	1
09:50	09:55	3	2	1	5	4	4
09:55	10:00	4	3	0	3	0	3

QUEUE	NETWORK PEAK HOUR (08:45-09:45)					
MINIMUM	1	0	0	0	0	0
MAXIMUM	11	3	0	3	5	5
AVERAGE	4	1	0	1	1	2
85th%ILE	5	2	0	2	1	4

TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
	A92 (Burnside Drive) (North)		Guthrie Port (East) (B-ACD)	Lordburn (C-ABD)	A92 (Burnside Drive) (South)		
	Near. (A-BCD)	Off. (A-D)			Near. (D-A)	Off. (D-BC)	
16:00	16:05	2	1	0	3	2	5
16:05	16:10	1	0	0	5	1	5
16:10	16:15	1	1	1	4	1	1
16:15	16:20	2	1	0	4	2	2
16:20	16:25	2	2	0	2	3	6
16:25	16:30	3	4	0	3	1	3
16:30	16:35	0	0	0	8	4	8
16:35	16:40	3	1	1	10	4	6
16:40	16:45	2	1	0	6	0	3
16:45	16:50	1	1	0	2	0	2
16:50	16:55	1	2	1	3	4	6
16:55	17:00	0	1	1	4	3	2
17:00	17:05	2	2	0	14	2	6
17:05	17:10	6	3	0	6	0	5
17:10	17:15	1	1	0	6	0	5
17:15	17:20	5	1	1	3	1	3
17:20	17:25	2	1	0	1	1	2
17:25	17:30	5	2	0	7	0	6

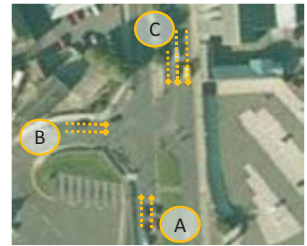
QUEUE	NETWORK PEAK HOUR (16:15-17:15)					
MINIMUM	0	0	0	2	0	2
MAXIMUM	6	4	1	14	4	8
AVERAGE	2	2	0	6	2	5
85th%ILE	3	2	1	9	4	6

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE							
	A92 (Burnside Drive) (South)		Catherine Street		A92 (Burnside Drive) (North)			
	Near. (A-BC)	Off. (A-C)	Near. (B-C)	Off. (B-A)	Near. (C-A)	Mid. (C-A)	Off. (C-B)	
08:30	08:35	5	5	5	0	2	1	2
08:35	08:40	4	6	3	1	2	1	2
08:40	08:45	8	5	7	1	3	2	3
08:45	08:50	4	2	5	1	4	2	4
08:50	08:55	3	3	9	1	3	2	2
08:55	09:00	6	7	3	0	5	2	4
09:00	09:05	8	7	6	0	1	0	4
09:05	09:10	4	6	7	2	3	1	4
09:10	09:15	5	5	5	0	1	0	3
09:15	09:20	6	4	5	2	8	2	2
09:20	09:25	5	6	2	0	4	2	1
09:25	09:30	7	5	6	0	4	1	1
09:30	09:35	5	3	2	0	4	0	1
09:35	09:40	9	6	6	2	4	1	3
09:40	09:45	7	1	4	3	4	3	2
09:45	09:50	7	3	3	1	5	1	3
09:50	09:55	4	4	6	0	2	2	2
09:55	10:00	6	2	6	0	3	1	3
QUEUE	NETWORK PEAK HOUR (08:45-09:45)							
MINIMUM	3	1	2	0	1	0	1	
MAXIMUM	9	7	9	3	8	3	4	
AVERAGE	6	4	5	1	4	1	3	
85th%ILE	7	6	6	2	4	2	4	

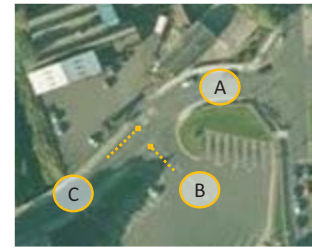
TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE							
	A92 (Burnside Drive) (South)		Catherine Street		A92 (Burnside Drive) (North)			
	Near. (A-BC)	Off. (A-C)	Near. (B-C)	Off. (B-A)	Near. (C-A)	Mid. (C-A)	Off. (C-B)	
16:00	16:05	14	10	5	1	4	2	4
16:05	16:10	14	2	7	2	7	2	4
16:10	16:15	8	7	4	2	5	2	3
16:15	16:20	8	6	6	2	5	2	5
16:20	16:25	7	7	5	1	6	4	2
16:25	16:30	7	4	1	0	3	3	5
16:30	16:35	6	8	5	3	4	1	3
16:35	16:40	13	7	7	3	6	3	6
16:40	16:45	7	5	3	1	7	4	9
16:45	16:50	10	6	4	2	6	1	2
16:50	16:55	8	9	9	1	11	6	6
16:55	17:00	8	4	3	0	7	4	2
17:00	17:05	7	3	4	1	9	2	2
17:05	17:10	6	5	3	1	5	1	4
17:10	17:15	5	6	4	0	3	1	3
17:15	17:20	6	5	5	1	2	2	5
17:20	17:25	4	8	5	4	3	2	5
17:25	17:30	7	7	5	2	8	1	3
QUEUE	NETWORK PEAK HOUR (16:15-17:15)							
MINIMUM	5	3	1	0	3	1	2	
MAXIMUM	13	9	9	3	11	6	9	
AVERAGE	8	6	5	1	6	3	4	
85th%ILE	9	7	6	2	8	4	6	

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE			
	Catherine Street (East) (A-BC)	Arbroath Bus Station (Exit) (B-AC)	Catherine Street (West) (C-AB)	
08:30	08:35	-	2	0
08:35	08:40	-	0	0
08:40	08:45	-	1	0
08:45	08:50	-	0	0
08:50	08:55	-	2	0
08:55	09:00	-	0	0
09:00	09:05	-	2	0
09:05	09:10	-	0	0
09:10	09:15	-	0	0
09:15	09:20	-	0	0
09:20	09:25	-	0	0
09:25	09:30	-	0	0
09:30	09:35	-	0	0
09:35	09:40	-	0	0
09:40	09:45	-	0	0
09:45	09:50	-	2	0
09:50	09:55	-	0	0
09:55	10:00	-	3	0
QUEUE	NETWORK PEAK HOUR (08:45-09:45)			
MINIMUM	-	0	0	
MAXIMUM	-	2	0	
AVERAGE	-	0	0	
85th%ILE	-	1	0	

TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE			
	Catherine Street (East) (A-BC)	Arbroath Bus Station (Exit) (B-AC)	Catherine Street (West) (C-AB)	
16:00	16:05	-	2	0
16:05	16:10	-	2	1
16:10	16:15	-	0	0
16:15	16:20	-	0	0
16:20	16:25	-	2	0
16:25	16:30	-	2	0
16:30	16:35	-	1	0
16:35	16:40	-	0	0
16:40	16:45	-	0	0
16:45	16:50	-	2	0
16:50	16:55	-	0	0
16:55	17:00	-	0	0
17:00	17:05	-	2	0
17:05	17:10	-	0	0
17:10	17:15	-	0	0
17:15	17:20	-	0	0
17:20	17:25	-	0	0
17:25	17:30	-	1	0
QUEUE	NETWORK PEAK HOUR (16:15-17:15)			
MINIMUM	-	0	0	
MAXIMUM	-	2	0	
AVERAGE	-	1	0	
85th%ILE	-	2	0	

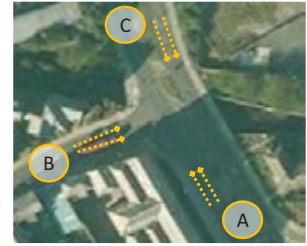
STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018

Weather: AM & PM: Dry / Overcast

Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
	A92 (Burnside Drive) (South)		Millgate		A92 (Burnside Drive) (North)		
	Near. (A-BC)	Off. (A-C)	Near. (B-C)	Off. (B-A)	Near. (C-A)	Off. (C-A)	
08:30	08:35	3	2	2	1	2	1
08:35	08:40	2	1	2	0	1	3
08:40	08:45	6	0	1	1	3	1
08:45	08:50	3	1	1	1	3	1
08:50	08:55	4	4	1	2	5	1
08:55	09:00	5	3	3	0	3	1
09:00	09:05	5	2	3	2	5	2
09:05	09:10	1	5	4	0	6	1
09:10	09:15	5	4	2	2	4	1
09:15	09:20	4	2	2	2	2	1
09:20	09:25	8	5	1	1	2	0
09:25	09:30	5	3	4	1	4	2
09:30	09:35	4	2	1	1	9	1
09:35	09:40	2	1	3	1	2	1
09:40	09:45	5	2	2	2	3	1
09:45	09:50	4	2	2	1	4	2
09:50	09:55	3	1	2	1	4	1
09:55	10:00	5	2	1	2	2	0
QUEUE	NETWORK PEAK HOUR (08:45-09:45)						
MINIMUM	1	1	1	0	2	0	
MAXIMUM	8	5	4	2	9	2	
AVERAGE	4	3	2	1	4	1	
85th%ILE	5	4	3	2	5	1	

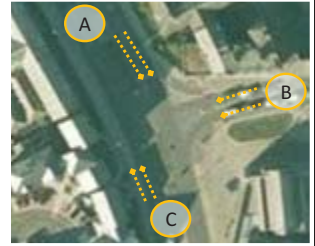
TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
	A92 (Burnside Drive) (South)		Millgate		A92 (Burnside Drive) (North)		
	Near. (A-BC)	Off. (A-C)	Near. (B-C)	Off. (B-A)	Near. (C-A)	Off. (C-A)	
16:00	16:05	4	2	6	2	7	2
16:05	16:10	8	5	1	1	4	1
16:10	16:15	5	1	1	1	7	2
16:15	16:20	6	1	6	2	5	4
16:20	16:25	5	1	2	1	3	3
16:25	16:30	4	0	2	4	2	1
16:30	16:35	4	2	4	1	4	1
16:35	16:40	5	2	2	1	5	3
16:40	16:45	4	4	2	0	10	3
16:45	16:50	3	1	2	1	4	1
16:50	16:55	7	2	4	2	7	6
16:55	17:00	4	1	2	2	5	2
17:00	17:05	6	0	3	2	9	4
17:05	17:10	4	1	5	1	3	1
17:10	17:15	4	1	2	1	4	2
17:15	17:20	4	3	7	2	4	1
17:20	17:25	3	3	1	2	2	1
17:25	17:30	6	1	1	2	4	2
QUEUE	NETWORK PEAK HOUR (16:15-17:15)						
MINIMUM	3	0	2	0	2	1	
MAXIMUM	7	4	6	4	10	6	
AVERAGE	5	1	3	2	5	3	
85th%ILE	6	2	4	2	8	4	

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
	A92 (Burnside Drive) (North)		Brothock Bridge		A92 (Burnside Drive) (South)		
	Near. (A-C)	Off. (A-C)	Near. (B-C)	Off. (B-A)	Near. (C-A)	Off. (C-B)	
08:30	08:35	2	1	3	3	2	3
08:35	08:40	1	0	6	4	2	5
08:40	08:45	1	0	4	3	3	2
08:45	08:50	1	0	11	1	3	2
08:50	08:55	2	2	9	4	6	2
08:55	09:00	0	0	8	5	4	3
09:00	09:05	2	2	4	3	1	2
09:05	09:10	1	0	5	3	4	2
09:10	09:15	2	0	2	3	2	4
09:15	09:20	7	2	7	4	3	3
09:20	09:25	1	1	7	3	3	5
09:25	09:30	1	0	5	3	3	3
09:30	09:35	2	0	7	5	4	3
09:35	09:40	6	0	6	3	5	2
09:40	09:45	2	1	6	3	4	2
09:45	09:50	1	3	10	2	3	1
09:50	09:55	2	0	5	4	1	1
09:55	10:00	2	1	3	5	3	2
QUEUE	NETWORK PEAK HOUR (08:45-09:45)						
MINIMUM	0	0	2	1	1	2	
MAXIMUM	7	3	11	5	6	5	
AVERAGE	2	1	6	3	4	3	
85th%ILE	3	2	8	4	4	3	

TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
	A92 (Burnside Drive) (North)		Brothock Bridge		A92 (Burnside Drive) (South)		
	Near. (A-C)	Off. (A-C)	Near. (B-C)	Off. (B-A)	Near. (C-A)	Off. (C-B)	
16:00	16:05	3	0	9	3	6	3
16:05	16:10	1	0	6	4	3	7
16:10	16:15	2	0	8	4	1	2
16:15	16:20	3	0	7	4	2	6
16:20	16:25	1	0	12	2	3	3
16:25	16:30	5	0	15	5	2	3
16:30	16:35	1	0	12	7	4	4
16:35	16:40	5	2	5	6	4	3
16:40	16:45	5	6	7	4	2	2
16:45	16:50	1	1	7	1	3	1
16:50	16:55	4	3	14	2	2	5
16:55	17:00	4	3	13	3	2	1
17:00	17:05	3	1	10	5	2	3
17:05	17:10	2	0	16	2	2	3
17:10	17:15	2	1	17	4	3	3
17:15	17:20	2	0	9	8	1	4
17:20	17:25	1	0	4	2	1	2
17:25	17:30	5	3	7	4	3	6
QUEUE	NETWORK PEAK HOUR (16:15-17:15)						
MINIMUM	1	0	5	1	2	1	
MAXIMUM	5	6	17	7	4	6	
AVERAGE	3	1	11	4	3	3	
85th%ILE	5	3	15	5	3	4	

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018

Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive) / East Mary Street Roundabout



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE					
	A92 (Burnside Drive) (North)		Arbroath Harbour (B-ACD)	A92 (Burnside Drive) (South)		East Mary Street (D-ABC)
	Near. (A-BC)	Off. (A-CD)		Near. (C-AD)	Off. (C-AB)	
08:30	08:35	1	0	0	0	0
08:35	08:40	0	0	1	0	2
08:40	08:45	1	3	1	2	3
08:45	08:50	2	1	0	0	0
08:50	08:55	0	0	1	1	2
08:55	09:00	0	1	0	0	0
09:00	09:05	1	0	0	0	1
09:05	09:10	0	0	1	0	1
09:10	09:15	1	0	1	0	1
09:15	09:20	0	0	1	2	1
09:20	09:25	2	0	0	0	1
09:25	09:30	0	0	0	2	2
09:30	09:35	2	0	1	1	3
09:35	09:40	3	1	1	3	1
09:40	09:45	0	0	0	1	1
09:45	09:50	0	0	0	1	2
09:50	09:55	0	0	0	0	1
09:55	09:55	0	0	3	1	1
09:55	10:00	1	0	0	0	1
09:55	10:00	1	0	0	0	3

QUEUE	NETWORK PEAK HOUR (08:45-09:45)					
MINIMUM	0	0	0	0	0	0
MAXIMUM	3	1	1	3	1	3
AVERAGE	1	0	1	1	1	1
85th%ILE	2	1	1	2	1	2

TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE					
	A92 (Burnside Drive) (North)		Arbroath Harbour (B-ACD)	A92 (Burnside Drive) (South)		East Mary Street (D-ABC)
	Near. (A-BC)	Off. (A-CD)		Near. (C-AD)	Off. (C-AB)	
16:00	16:05	2	0	0	0	1
16:05	16:10	4	0	0	0	2
16:10	16:15	2	4	0	1	2
16:15	16:20	0	0	1	0	1
16:20	16:25	1	0	1	1	3
16:25	16:30	5	1	1	0	1
16:30	16:35	1	0	1	0	2
16:35	16:40	1	1	0	1	1
16:40	16:45	1	2	2	1	2
16:45	16:50	3	1	1	3	3
16:50	16:55	1	0	1	2	3
16:55	17:00	0	0	1	0	3
17:00	17:05	2	1	1	0	3
17:05	17:10	7	1	1	0	2
17:10	17:15	3	3	0	0	2
17:15	17:20	4	1	2	1	1
17:20	17:25	0	0	1	0	2
17:25	17:30	2	0	1	0	0

QUEUE	NETWORK PEAK HOUR (16:15-17:15)					
MINIMUM	0	0	0	0	0	1
MAXIMUM	7	3	2	1	3	3
AVERAGE	2	1	1	0	1	2
85th%ILE	4	1	1	1	2	3

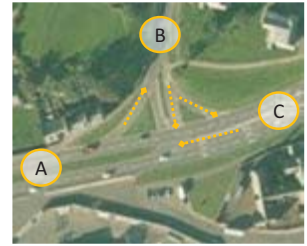
STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2018

Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Burnside Drive) / Millgate Loan Priority Junction



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE				
	A92 (Dundee Road) (A-B)	Millgate Loan		A92 (Ladyloan)	
		Near. (B-C)	Off. (B-A)	Near. (C-A)	Off. (C-B)
08:30 - 08:35	0	0	0	-	2
08:35 - 08:40	0	0	0	-	0
08:40 - 08:45	0	1	1	-	0
08:45 - 08:50	0	0	0	-	0
08:50 - 08:55	0	1	2	-	1
08:55 - 09:00	0	1	2	-	1
09:00 - 09:05	0	1	1	-	0
09:05 - 09:10	0	1	1	-	0
09:10 - 09:15	0	0	1	-	2
09:15 - 09:20	0	0	1	-	0
09:20 - 09:25	0	0	0	-	0
09:25 - 09:30	0	0	1	-	0
09:30 - 09:35	0	0	1	-	0
09:35 - 09:40	0	1	1	-	0
09:40 - 09:45	0	0	1	-	0
09:45 - 09:50	0	0	1	-	0
09:50 - 09:55	0	0	2	-	1
09:55 - 10:00	0	0	1	-	0
QUEUE	NETWORK PEAK HOUR (08:45-09:45)				
MINIMUM	0	0	0	-	0
MAXIMUM	0	1	2	-	2
AVERAGE	0	0	1	-	0
85th%ILE	0	1	1	-	1

TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE				
	A92 (Dundee Road) (A-B)	Millgate Loan		A92 (Ladyloan)	
		Near. (B-C)	Off. (B-A)	Near. (C-A)	Off. (C-B)
16:00 - 16:05	0	1	1	-	0
16:05 - 16:10	0	0	1	-	0
16:10 - 16:15	0	0	2	-	0
16:15 - 16:20	0	0	1	-	0
16:20 - 16:25	0	1	0	-	0
16:25 - 16:30	0	0	1	-	0
16:30 - 16:35	0	0	1	-	0
16:35 - 16:40	0	0	1	-	1
16:40 - 16:45	0	1	0	-	0
16:45 - 16:50	0	1	1	-	2
16:50 - 16:55	0	0	1	-	1
16:55 - 17:00	0	1	3	-	0
17:00 - 17:05	0	0	1	-	1
17:05 - 17:10	0	0	4	-	0
17:10 - 17:15	1	1	1	-	0
17:15 - 17:20	0	1	1	-	0
17:20 - 17:25	0	1	1	-	0
17:25 - 17:30	0	1	1	-	1
QUEUE	NETWORK PEAK HOUR (16:15-17:15)				
MINIMUM	0	0	0	-	0
MAXIMUM	1	1	4	-	2
AVERAGE	0	0	1	-	0
85th%ILE	0	1	2	-	1

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath

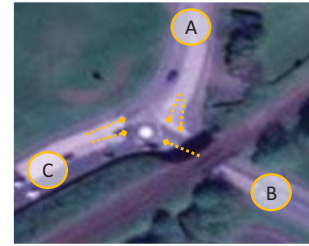
Client: AECOM

Project Ref: TS-18-002

Date: Thursday 8th February 2018

Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE				
	B964		A92 (Dundee Road) (East) (B-AC)	A92 (Dundee Road) (West)	
	Near. (A-B)	Off. (A-C)		Near. (C-A)	Off. (C-B)
08:30 - 08:35	1	1	1	0	0
08:35 - 08:40	1	3	1	0	0
08:40 - 08:45	0	1	0	0	2
08:45 - 08:50	1	1	2	0	0
08:50 - 08:55	1	1	2	0	4
08:55 - 09:00	2	3	1	0	2
09:00 - 09:05	0	1	2	0	0
09:05 - 09:10	1	1	3	0	0
09:10 - 09:15	0	0	0	0	0
09:15 - 09:20	1	3	3	0	3
09:20 - 09:25	0	1	1	0	3
09:25 - 09:30	0	0	0	0	0
09:30 - 09:35	1	1	2	0	1
09:35 - 09:40	1	2	4	0	0
09:40 - 09:45	0	1	2	0	0
09:45 - 09:50	1	0	0	0	0
09:50 - 09:55	1	2	1	0	0
09:55 - 10:00	0	2	0	0	1

QUEUE	NETWORK PEAK HOUR (08:45-09:45)				
MINIMUM	0	0	0	0	0
MAXIMUM	2	3	4	0	4
AVERAGE	1	1	2	0	1
85th%ILE	1	2	3	0	3

TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE				
	B964		A92 (Dundee Road) (East) (B-AC)	A92 (Dundee Road) (West)	
	Near. (A-B)	Off. (A-C)		Near. (C-A)	Off. (C-B)
16:00 - 16:05	1	3	5	0	0
16:05 - 16:10	1	2	5	0	8
16:10 - 16:15	2	4	1	0	1
16:15 - 16:20	0	2	2	2	5
16:20 - 16:25	0	1	2	0	3
16:25 - 16:30	1	1	9	0	1
16:30 - 16:35	1	3	5	0	0
16:35 - 16:40	1	5	6	0	9
16:40 - 16:45	1	3	4	0	1
16:45 - 16:50	1	2	0	0	11
16:50 - 16:55	0	1	5	1	2
16:55 - 17:00	2	2	4	0	0
17:00 - 17:05	0	1	1	0	2
17:05 - 17:10	0	2	17	0	3
17:10 - 17:15	0	0	1	0	4
17:15 - 17:20	0	1	1	0	8
17:20 - 17:25	0	1	2	1	6
17:25 - 17:30	1	3	1	0	1

QUEUE	NETWORK PEAK HOUR (16:15-17:15)				
MINIMUM	0	0	0	0	0
MAXIMUM	2	5	17	2	11
AVERAGE	1	2	5	0	3
85th%ILE	1	3	7	0	6

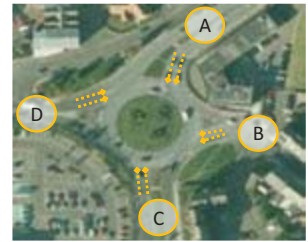
STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout



TIME		VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE							
		A92 (North)		Guthrie Port (East)		A92 (Burnside Drive) (South)		Guthrie Port (West)	
		Near. (A-BC)	Off. (A-CD)	Near. (B-C)	Off. (B-AD)	Near. (C-AD)	Off. (C-AB)	Near. (D-A)	Off. (D-BC)
12:00	12:05	1	3	1	1	3	5	2	4
12:05	12:10	2	5	2	1	5	4	2	3
12:10	12:15	4	2	1	2	2	9	6	5
12:15	12:20	3	4	1	4	4	3	1	3
12:20	12:25	3	5	1	2	3	2	1	3
12:25	12:30	2	5	0	1	4	5	0	1
12:30	12:35	3	2	0	1	3	3	1	4
12:35	12:40	4	4	1	1	1	5	2	1
12:40	12:45	2	2	1	1	4	4	2	6
12:45	12:50	2	5	1	3	3	1	0	1
12:50	12:55	1	6	1	1	1	11	1	2
12:55	13:00	1	2	2	1	6	7	1	3
13:00	13:05	4	5	2	2	3	8	2	2
13:05	13:10	1	4	1	1	3	6	0	4
13:10	13:15	3	7	1	1	4	5	0	2
13:15	13:20	2	1	1	1	4	8	1	2
13:20	13:25	4	5	0	1	1	3	0	2
13:25	13:30	1	2	1	0	2	8	1	5
QUEUE		NETWORK PEAK HOUR (12:15-13:15)							
MINIMUM		1	2	0	1	1	1	0	1
MAXIMUM		4	7	2	4	6	11	2	6
AVERAGE		2	4	1	2	3	5	1	3
85th%ILE		3	5	1	2	4	7	2	4

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction



TIME		VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE			
		A92 (Burnside Drive) (North)	Hume Street		A92 (Burnside Drive) (South) (C-AB)
			Near. (B-A)	Off. (B-A)	
12:00	12:05	-	3	3	-
12:05	12:10	-	2	2	-
12:10	12:15	-	1	2	-
12:15	12:20	-	1	3	-
12:20	12:25	-	2	6	-
12:25	12:30	-	2	2	-
12:30	12:35	-	0	1	-
12:35	12:40	-	1	2	-
12:40	12:45	-	1	3	-
12:45	12:50	-	2	1	-
12:50	12:55	-	0	4	-
12:55	13:00	-	1	2	-
13:00	13:05	-	1	2	-
13:05	13:10	-	2	2	-
13:10	13:15	-	0	1	-
13:15	13:20	-	1	2	-
13:20	13:25	-	1	3	-
13:25	13:30	-	0	1	-
QUEUE		NETWORK PEAK HOUR (12:15-13:15)			
MINIMUM		-	0	1	-
MAXIMUM		-	2	6	-
AVERAGE		-	1	2	-
85th%ILE		-	2	3	-

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
	A92 (Burnside Drive) (North)		Maule Street (B-ACD)	Lordburn (C-ABD)	A92 (Burnside Drive) (South)		
	Near. (A-BCD)	Off. (A-D)			Near. (D-A)	Off. (D-BC)	
12:00	12:05	5	1	0	6	2	8
12:05	12:10	11	2	0	7	3	3
12:10	12:15	2	1	1	9	5	3
12:15	12:20	5	2	1	9	4	11
12:20	12:25	2	1	0	4	3	1
12:25	12:30	2	4	0	7	4	5
12:30	12:35	3	3	0	5	6	5
12:35	12:40	3	0	0	7	3	3
12:40	12:45	4	1	0	9	4	4
12:45	12:50	9	1	0	2	3	6
12:50	12:55	3	1	0	4	4	4
12:55	13:00	8	0	0	5	5	10
13:00	13:05	9	2	0	10	3	5
13:05	13:10	1	0	1	7	5	1
13:10	13:15	2	2	0	8	2	1
13:15	13:20	1	0	0	6	4	4
13:20	13:25	8	1	0	5	4	3
13:25	13:30	3	1	1	3	4	10
QUEUE	NETWORK PEAK HOUR (12:15-13:15)						
MINIMUM	1	0	0	2	2	1	
MAXIMUM	9	4	1	10	6	11	
AVERAGE	4	1	0	6	4	5	
85th%ILE	8	2	0	9	5	7	

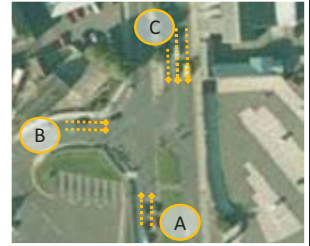
STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals



TIME		VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
		A92 (Burnside Drive) (South)		Catherine Street		A92 (Burnside Drive) (North)		
		Near. (A-BC)	Off. (A-C)	Near. (B-C)	Off. (B-A)	Near. (C-A)	Mid. (C-A)	Off. (C-B)
12:00	12:05	12	6	3	4	3	1	5
12:05	12:10	11	5	10	1	5	3	5
12:10	12:15	6	6	7	1	7	1	5
12:15	12:20	8	11	5	1	2	1	2
12:20	12:25	11	5	3	0	5	3	2
12:25	12:30	7	6	6	0	5	4	3
12:30	12:35	9	6	3	0	2	2	2
12:35	12:40	10	7	3	2	5	3	1
12:40	12:45	10	10	4	0	7	3	5
12:45	12:50	9	5	5	1	3	1	2
12:50	12:55	6	7	7	1	9	3	4
12:55	13:00	8	12	5	1	6	2	4
13:00	13:05	10	12	6	1	4	2	3
13:05	13:10	7	4	1	3	2	0	1
13:10	13:15	7	7	2	1	8	8	6
13:15	13:20	10	7	5	0	5	1	3
13:20	13:25	7	5	5	0	6	2	3
13:25	13:30	11	14	4	0	6	2	2
QUEUE		NETWORK PEAK HOUR (12:15-13:15)						
MINIMUM		6	4	1	0	2	0	1
MAXIMUM		11	14	7	3	9	8	6
AVERAGE		9	8	4	1	5	3	3
85th%ILE		10	11	6	1	7	3	4

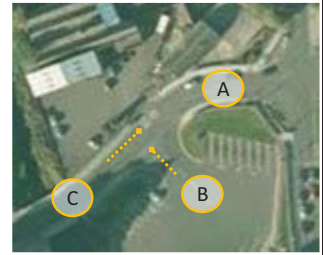
STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 5: Catherine Street / Arbroath Bus Station Priority Junction



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE			
	Catherine Street (East) (A-BC)	Arbroath Bus Station (Exit) (B-AC)	Catherine Street (West) (C-AB)	
12:00	12:05	-	0	0
12:05	12:10	-	2	0
12:10	12:15	-	2	0
12:15	12:20	-	1	0
12:20	12:25	-	0	3
12:25	12:30	-	1	0
12:30	12:35	-	0	2
12:35	12:40	-	1	0
12:40	12:45	-	0	0
12:45	12:50	-	0	0
12:50	12:55	-	0	0
12:55	13:00	-	2	0
13:00	13:05	-	0	0
13:05	13:10	-	0	0
13:10	13:15	-	0	0
13:15	13:20	-	0	0
13:20	13:25	-	2	0
13:25	13:30	-	0	0
QUEUE	NETWORK PEAK HOUR (12:15-13:15)			
MINIMUM	-	0	0	
MAXIMUM	-	2	3	
AVERAGE	-	0	0	
85th%ILE	-	1	1	

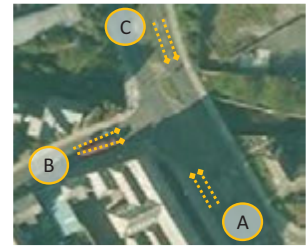
STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
	A92 (Burnside Drive) (South)		Millgate		A92 (Burnside Drive) (North)		
	Near. (A-BC)	Off. (A-C)	Near. (B-C)	Off. (B-A)	Near. (C-A)	Off. (C-A)	
12:00	12:05	6	3	3	2	6	1
12:05	12:10	5	3	4	2	3	1
12:10	12:15	8	2	3	2	5	5
12:15	12:20	3	1	1	2	6	5
12:20	12:25	4	3	3	1	5	5
12:25	12:30	2	2	4	3	3	2
12:30	12:35	5	2	2	1	5	4
12:35	12:40	5	4	3	1	6	2
12:40	12:45	7	1	2	0	7	2
12:45	12:50	2	3	3	0	7	6
12:50	12:55	6	5	3	1	3	5
12:55	13:00	10	4	7	1	10	2
13:00	13:05	8	5	2	1	12	3
13:05	13:10	5	1	5	1	6	6
13:10	13:15	8	10	2	1	4	2
13:15	13:20	7	1	1	1	3	0
13:20	13:25	4	2	2	1	6	1
13:25	13:30	6	3	4	2	8	10
QUEUE	NETWORK PEAK HOUR (12:15-13:15)						
MINIMUM	2	1	1	0	3	2	
MAXIMUM	10	10	7	3	12	6	
AVERAGE	5	3	3	1	6	4	
85th%ILE	8	5	4	1	8	5	

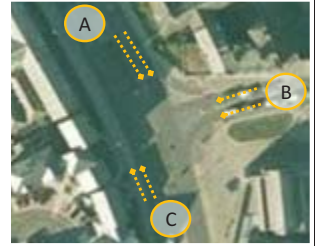
STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
	A92 (Burnside Drive) (North)		Brothock Bridge		A92 (Burnside Drive) (South)		
	Near. (A-C)	Off. (A-C)	Near. (B-C)	Off. (B-A)	Near. (C-A)	Off. (C-A)	
12:00	12:05	2	1	8	3	3	5
12:05	12:10	5	0	6	1	3	2
12:10	12:15	3	0	10	3	6	5
12:15	12:20	3	2	14	5	4	3
12:20	12:25	1	0	11	2	5	2
12:25	12:30	4	3	8	3	6	3
12:30	12:35	2	0	17	2	3	1
12:35	12:40	2	1	12	4	4	3
12:40	12:45	1	0	4	3	5	3
12:45	12:50	1	0	6	1	4	3
12:50	12:55	2	0	6	4	3	5
12:55	13:00	1	1	14	6	5	8
13:00	13:05	1	1	9	3	3	2
13:05	13:10	1	0	14	4	5	2
13:10	13:15	2	1	13	4	5	5
13:15	13:20	1	0	9	3	6	5
13:20	13:25	1	0	8	1	3	1
13:25	13:30	2	0	7	2	3	9
QUEUE	NETWORK PEAK HOUR (12:15-13:15)						
MINIMUM	1	0	4	1	3	1	
MAXIMUM	4	3	17	6	6	8	
AVERAGE	2	1	11	3	4	3	
85th%ILE	2	1	14	4	5	5	

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 8: A92 (Burnside Drive) / East Mary Street Roundabout



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE						
	A92 (Burnside Drive) (North)		Arbroath Harbour (B-ACD)	A92 (Burnside Drive) (South)		East Mary Street (D-ABC)	
	Near. (A-BC)	Off. (A-CD)		Near. (C-AD)	Off. (C-AB)		
12:00 - 12:05	2	0	2	0	0	1	
12:05 - 12:10	1	0	0	0	0	1	
12:10 - 12:15	2	0	1	1	0	1	
12:15 - 12:20	0	1	1	0	2	4	
12:20 - 12:25	0	0	1	3	0	2	
12:25 - 12:30	0	0	1	1	3	1	
12:30 - 12:35	0	0	1	0	1	1	
12:35 - 12:40	0	0	1	0	0	1	
12:40 - 12:45	2	1	0	3	1	1	
12:45 - 12:50	2	1	1	0	0	1	
12:50 - 12:55	0	1	0	0	0	3	
12:55 - 13:00	1	0	0	2	2	1	
13:00 - 13:05	2	0	0	1	0	3	
13:05 - 13:10	0	0	0	1	0	1	
13:10 - 13:15	1	0	2	0	1	1	
13:15 - 13:20	0	0	0	0	0	3	
13:20 - 13:25	2	0	0	3	0	2	
13:25 - 13:30	3	0	2	0	0	1	

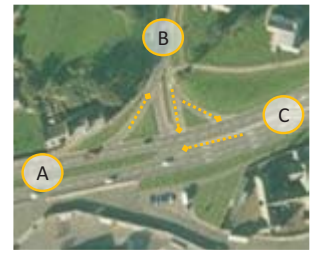
QUEUE	NETWORK PEAK HOUR (12:15-13:15)					
MINIMUM	0	0	0	0	0	1
MAXIMUM	2	1	2	3	3	4
AVERAGE	1	0	1	1	1	2
85th%ILE	2	1	1	2	2	3

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018
 Weather: AM & PM: Dry / Overcast

Junction 9: A92 (Burnside Drive) / Millgate Loan Priority Junction



TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE				
	A92 (Dundee Road) (A-B)	Millgate Loan		A92 (Ladyloan)	
		Near. (B-C)	Off. (B-A)	Near. (C-A)	Off. (C-B)
12:00 - 12:05	0	0	2	-	0
12:05 - 12:10	0	0	0	-	1
12:10 - 12:15	0	0	1	-	0
12:15 - 12:20	0	0	2	-	0
12:20 - 12:25	0	0	1	-	1
12:25 - 12:30	0	0	1	-	0
12:30 - 12:35	0	0	2	-	0
12:35 - 12:40	0	0	0	-	2
12:40 - 12:45	0	0	2	-	0
12:45 - 12:50	0	1	1	-	0
12:50 - 12:55	0	0	1	-	0
12:55 - 13:00	0	0	1	-	0
13:00 - 13:05	0	0	1	-	0
13:05 - 13:10	0	0	1	-	1
13:10 - 13:15	0	0	1	-	0
13:15 - 13:20	0	0	1	-	0
13:20 - 13:25	0	0	1	-	1
13:25 - 13:30	0	1	2	-	0
QUEUE	NETWORK PEAK HOUR (12:15-13:15)				
MINIMUM	0	0	0	-	0
MAXIMUM	0	1	2	-	2
AVERAGE	0	0	1	-	0
85th%ILE	0	0	2	-	1

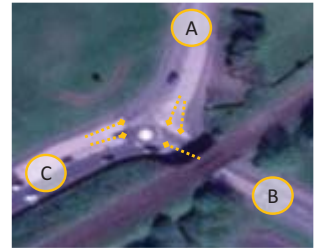
STUDY NETWORK MAXIMUM QUEUE COUNT

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2018

Weather: AM & PM: Dry / Overcast

Junction 10: A92 (Dundee Road) / B964 Mini-Roundabout



TIME		VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE				
		B964		A92 (Dundee Road) (East) (B-AC)	A92 (Dundee Road) (West)	
		Near. (A-B)	Off. (A-C)		Near. (C-A)	Off. (C-B)
12:00	12:05	0	2	6	0	1
12:05	12:10	1	1	4	0	1
12:10	12:15	2	1	10	0	3
12:15	12:20	1	2	5	0	4
12:20	12:25	0	3	4	1	8
12:25	12:30	4	3	13	0	6
12:30	12:35	0	4	3	0	4
12:35	12:40	2	1	5	0	6
12:40	12:45	1	1	4	0	7
12:45	12:50	0	2	4	1	3
12:50	12:55	1	1	5	1	0
12:55	13:00	3	1	7	0	0
13:00	13:05	1	2	4	0	1
13:05	13:10	1	2	3	1	4
13:10	13:15	0	2	4	0	0
13:15	13:20	1	1	3	0	10
13:20	13:25	1	3	5	2	6
13:25	13:30	0	0	4	1	6
QUEUE		NETWORK PEAK HOUR (12:15-13:15)				
MINIMUM		0	1	3	0	0
MAXIMUM		4	4	13	1	8
AVERAGE		1	2	5	0	4
85th%ILE		2	3	6	1	6

CLASSIFIED PEDESTRIAN CROSSING SURVEYS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.1: A92 (North)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	2	0	0	0	2
07:15 - 07:30	0	0	0	0	1	0	0	0	1
07:30 - 07:45	0	0	0	0	0	0	0	0	0
07:45 - 08:00	2	0	0	0	0	0	0	0	2
08:00 - 08:15	1	0	0	0	0	0	0	0	1
08:15 - 08:30	3	0	1	0	3	0	0	2	9
08:30 - 08:45	3	0	0	0	2	0	0	0	5
08:45 - 09:00	1	0	0	0	0	0	0	0	1
09:00 - 09:15	1	0	0	0	1	0	0	0	2
09:15 - 09:30	2	0	0	0	1	0	0	0	3
09:30 - 09:45	5	0	0	0	3	0	0	0	8
09:45 - 10:00	4	0	0	0	3	0	0	0	7
TOTAL	22	0	1	0	16	0	0	2	41

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
09:00 - 10:00	12	0	0	0	8	0	0	0	20
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	9	0	0	0	5	0	0	0	14

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	3	0	1	0	6	0	1	0	11
15:45 - 16:00	2	0	1	0	1	0	1	0	5
16:00 - 16:15	5	0	0	0	1	0	0	0	6
16:15 - 16:30	1	0	0	0	1	0	0	0	2
16:30 - 16:45	8	0	0	0	2	0	0	0	10
16:45 - 17:00	3	0	0	0	0	0	0	0	3
17:00 - 17:15	0	0	0	0	4	0	0	0	4
17:15 - 17:30	2	0	0	0	3	0	0	0	5
17:30 - 17:45	0	0	0	0	2	0	1	0	3
17:45 - 18:00	3	0	0	0	1	0	0	0	4
18:00 - 18:15	1	0	0	0	1	0	0	0	2
18:15 - 18:30	1	0	0	0	1	0	0	0	2
TOTAL	29	0	2	0	23	0	3	0	57

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	11	0	2	0	9	0	2	0	24
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.2: Guthrie Port (East)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	1	0	0	0	1	0	0	0	2
07:15 - 07:30	2	0	0	0	1	0	0	0	3
07:30 - 07:45	0	0	0	0	0	0	0	0	0
07:45 - 08:00	0	0	0	0	1	0	0	0	1
08:00 - 08:15	0	0	0	0	0	0	0	0	0
08:15 - 08:30	4	0	0	0	0	0	0	0	4
08:30 - 08:45	0	0	0	0	3	0	0	0	3
08:45 - 09:00	2	0	0	0	0	0	0	0	2
09:00 - 09:15	0	0	0	0	2	0	0	0	2
09:15 - 09:30	1	0	0	0	2	0	0	0	3
09:30 - 09:45	2	0	0	0	5	0	0	0	7
09:45 - 10:00	1	0	0	0	2	0	0	0	3
TOTAL	13	0	0	0	17	0	0	0	30

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	5	0	0	0	9	0	0	0	14

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	2	0	1	0	1	0	1	0	5
15:45 - 16:00	0	0	0	0	3	0	1	0	4
16:00 - 16:15	2	0	0	0	1	0	0	0	3
16:15 - 16:30	0	0	0	0	1	0	0	0	1
16:30 - 16:45	1	0	0	0	1	0	0	0	2
16:45 - 17:00	1	0	0	0	0	0	0	0	1
17:00 - 17:15	1	0	0	0	2	0	0	0	3
17:15 - 17:30	2	0	0	0	0	0	0	0	2
17:30 - 17:45	3	0	1	0	1	0	0	0	5
17:45 - 18:00	1	0	0	0	0	0	0	0	1
18:00 - 18:15	3	0	0	0	0	0	0	0	3
18:15 - 18:30	1	0	0	0	2	0	0	0	3
TOTAL	17	0	2	0	12	0	2	0	33

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	4	0	1	0	6	0	2	0	13
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.3: A92 (Burnside Drive) (South)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	0	0	0	0	0
07:15 - 07:30	2	0	0	0	2	0	0	0	4
07:30 - 07:45	0	0	0	0	3	0	0	0	3
07:45 - 08:00	1	0	0	0	0	0	0	0	1
08:00 - 08:15	0	0	0	0	0	0	0	0	0
08:15 - 08:30	1	0	0	0	1	0	0	1	3
08:30 - 08:45	0	0	0	0	0	0	0	2	2
08:45 - 09:00	3	0	0	0	0	0	0	0	3
09:00 - 09:15	2	0	1	0	1	0	0	0	4
09:15 - 09:30	3	0	0	0	0	0	0	0	3
09:30 - 09:45	2	0	1	0	3	0	0	0	6
09:45 - 10:00	1	0	1	0	2	0	0	0	4
TOTAL	15	0	3	0	12	0	0	3	33

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	10	0	2	0	4	0	0	0	16

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	0	0	0	0	1	0	0	0	1
15:45 - 16:00	2	0	0	0	1	0	0	0	3
16:00 - 16:15	5	0	0	0	2	0	0	0	7
16:15 - 16:30	2	0	0	0	3	0	0	0	5
16:30 - 16:45	3	0	0	0	2	0	1	0	6
16:45 - 17:00	2	0	0	0	0	0	0	0	2
17:00 - 17:15	1	0	0	0	0	0	0	0	1
17:15 - 17:30	6	0	0	0	0	0	0	0	6
17:30 - 17:45	0	0	0	0	1	0	0	0	1
17:45 - 18:00	0	0	0	0	1	0	0	0	1
18:00 - 18:15	3	0	0	0	4	0	0	0	7
18:15 - 18:30	2	0	0	0	0	0	0	0	2
TOTAL	26	0	0	0	15	0	1	0	42

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	9	0	0	0	7	0	0	0	16
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.4: Guthrie Port (West)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	1	0	0	0	1	0	0	0	2
07:15 - 07:30	0	0	0	0	4	0	0	0	4
07:30 - 07:45	1	0	0	0	4	0	0	0	5
07:45 - 08:00	0	0	0	0	2	0	0	0	2
08:00 - 08:15	0	0	0	0	2	0	0	0	2
08:15 - 08:30	0	0	0	0	2	0	0	0	2
08:30 - 08:45	1	0	0	0	7	0	1	4	13
08:45 - 09:00	0	0	0	0	2	0	0	0	2
09:00 - 09:15	0	0	0	0	5	0	0	0	5
09:15 - 09:30	0	0	0	0	4	0	0	0	4
09:30 - 09:45	2	0	0	0	1	0	0	0	3
09:45 - 10:00	0	0	0	0	9	0	0	0	9
TOTAL	5	0	0	0	43	0	1	4	53

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	2	0	0	0	12	0	0	0	14

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	2	0	1	0	3	0	0	0	6
15:45 - 16:00	3	0	0	0	6	0	2	0	11
16:00 - 16:15	8	0	2	0	4	0	1	0	15
16:15 - 16:30	3	0	1	0	5	0	0	0	9
16:30 - 16:45	5	0	4	0	5	0	1	0	15
16:45 - 17:00	1	0	0	0	2	0	0	0	3
17:00 - 17:15	2	0	2	0	0	0	0	0	4
17:15 - 17:30	2	0	0	0	1	0	0	0	3
17:30 - 17:45	0	0	0	0	3	0	0	0	3
17:45 - 18:00	2	0	1	0	2	0	0	0	5
18:00 - 18:15	3	0	1	0	5	0	0	0	9
18:15 - 18:30	0	0	0	0	4	0	0	0	4
TOTAL	31	0	12	0	40	0	4	0	87

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	16	0	4	0	18	0	3	0	41
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Hume Street Priority Junction

Movement 2.1: A92 (Burnside Road) (South)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	3	0	0	0	3
07:15 - 07:30	0	0	0	0	1	0	0	0	1
07:30 - 07:45	2	0	0	0	4	0	0	0	6
07:45 - 08:00	1	0	0	0	0	0	0	0	1
08:00 - 08:15	1	0	0	0	0	0	0	0	1
08:15 - 08:30	0	0	0	0	1	0	0	0	1
08:30 - 08:45	0	0	0	0	2	0	0	0	2
08:45 - 09:00	3	0	0	0	4	0	0	0	7
09:00 - 09:15	4	0	0	0	3	0	0	0	7
09:15 - 09:30	2	0	0	0	0	0	0	0	2
09:30 - 09:45	1	0	0	0	5	0	0	0	6
09:45 - 10:00	1	0	0	0	1	0	0	0	2
TOTAL	15	0	0	0	24	0	0	0	39

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	10	0	0	0	12	0	0	0	22

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	0	0	0	0	7	0	1	0	8
15:45 - 16:00	3	0	0	0	2	0	1	0	6
16:00 - 16:15	2	0	0	3	1	0	0	0	6
16:15 - 16:30	4	0	0	2	3	0	0	0	9
16:30 - 16:45	0	0	0	0	2	0	0	0	2
16:45 - 17:00	5	0	2	0	0	0	0	0	7
17:00 - 17:15	2	0	0	0	1	0	0	0	3
17:15 - 17:30	1	0	0	0	5	0	0	0	6
17:30 - 17:45	1	0	0	0	4	0	0	0	5
17:45 - 18:00	2	0	0	0	3	0	0	0	5
18:00 - 18:15	2	0	0	0	3	0	0	0	5
18:15 - 18:30	11	0	0	0	2	0	0	0	13
TOTAL	33	0	2	5	33	0	2	0	75

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	9	0	0	5	13	0	2	0	29
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Hume Street Priority Junction

Movement 2.2: Hume Street



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	0	0	0	0	0
07:15 - 07:30	2	0	0	0	2	0	0	0	4
07:30 - 07:45	0	0	0	0	4	0	0	0	4
07:45 - 08:00	0	0	0	0	1	0	0	0	1
08:00 - 08:15	0	0	0	0	0	0	0	0	0
08:15 - 08:30	0	0	0	0	3	0	0	0	3
08:30 - 08:45	5	0	0	0	1	0	0	0	6
08:45 - 09:00	2	0	0	0	1	0	0	0	3
09:00 - 09:15	5	0	0	0	1	0	0	0	6
09:15 - 09:30	3	0	0	0	2	0	0	0	5
09:30 - 09:45	4	0	0	0	2	0	0	0	6
09:45 - 10:00	4	0	2	0	2	0	0	0	8
TOTAL	25	0	2	0	19	0	0	0	46

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	14	0	0	0	6	0	0	0	20

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	10	0	2	0	2	0	0	0	14
15:45 - 16:00	10	0	0	0	3	0	0	0	13
16:00 - 16:15	6	0	1	0	0	0	0	0	7
16:15 - 16:30	4	0	0	0	5	0	0	0	9
16:30 - 16:45	3	0	0	0	0	0	0	0	3
16:45 - 17:00	5	0	0	0	4	0	2	0	11
17:00 - 17:15	4	0	1	0	3	0	0	0	8
17:15 - 17:30	5	0	0	0	2	0	0	0	7
17:30 - 17:45	8	0	2	0	2	0	0	0	12
17:45 - 18:00	8	0	0	0	3	0	0	0	11
18:00 - 18:15	5	0	0	0	1	0	0	0	6
18:15 - 18:30	2	0	0	0	6	0	0	0	8
TOTAL	70	0	6	0	31	0	2	0	109

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	30	0	3	0	10	0	0	0	43
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath

Client: AECOM

Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Hume Street Priority Junction

Movement 2.3: A92 (Burnside Drive) (North)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	0	0	0	0	0
07:15 - 07:30	0	0	0	0	1	0	0	0	1
07:30 - 07:45	0	0	0	0	1	0	0	0	1
07:45 - 08:00	0	0	0	0	1	0	0	0	1
08:00 - 08:15	0	0	0	0	0	0	0	0	0
08:15 - 08:30	3	0	0	0	2	0	0	0	5
08:30 - 08:45	1	0	0	0	4	0	0	0	5
08:45 - 09:00	5	0	0	0	0	0	0	0	5
09:00 - 09:15	4	0	0	0	0	0	0	0	4
09:15 - 09:30	2	0	0	0	1	0	0	0	3
09:30 - 09:45	6	0	0	0	4	0	0	0	10
09:45 - 10:00	8	0	1	0	3	0	0	0	12
TOTAL	29	0	1	0	17	0	0	0	47

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	17	0	0	0	5	0	0	0	22

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	1	0	0	0	5	0	1	0	7
15:45 - 16:00	5	0	1	0	8	0	1	0	15
16:00 - 16:15	4	0	1	3	1	0	0	0	9
16:15 - 16:30	5	0	2	1	7	0	5	0	20
16:30 - 16:45	3	0	0	0	6	0	0	0	9
16:45 - 17:00	6	0	0	0	3	0	0	0	9
17:00 - 17:15	3	0	0	0	8	0	1	0	12
17:15 - 17:30	3	0	0	0	4	0	0	0	7
17:30 - 17:45	4	0	0	0	5	0	0	0	9
17:45 - 18:00	1	0	0	0	2	1	0	2	6
18:00 - 18:15	1	0	0	0	6	0	0	0	7
18:15 - 18:30	1	0	0	0	6	0	0	0	7
TOTAL	37	0	4	4	61	1	8	2	117

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	15	0	4	4	21	0	7	0	51
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout

Movement 3.1: Lordburn



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	0	0	0	0	0
07:15 - 07:30	0	0	0	0	1	0	0	0	1
07:30 - 07:45	0	0	0	0	1	0	0	0	1
07:45 - 08:00	0	0	0	0	0	0	0	0	0
08:00 - 08:15	0	0	0	0	2	0	1	0	3
08:15 - 08:30	0	0	0	0	0	0	0	0	0
08:30 - 08:45	4	0	0	2	2	0	0	0	8
08:45 - 09:00	0	0	0	0	1	0	0	0	1
09:00 - 09:15	1	0	0	0	1	0	0	0	2
09:15 - 09:30	0	0	0	0	1	0	0	0	1
09:30 - 09:45	0	0	0	0	1	0	0	0	1
09:45 - 10:00	1	0	0	0	4	0	1	0	6
TOTAL	6	0	0	2	14	0	2	0	24

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	1	0	0	0	4	0	0	0	5

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	2	0	0	0	3	0	0	0	5
15:45 - 16:00	3	0	1	0	1	0	0	0	5
16:00 - 16:15	1	0	0	0	1	0	0	0	2
16:15 - 16:30	2	0	1	0	2	0	0	0	5
16:30 - 16:45	2	0	0	0	1	0	0	0	3
16:45 - 17:00	3	0	0	0	1	0	0	0	4
17:00 - 17:15	1	0	0	0	0	0	0	0	1
17:15 - 17:30	3	0	0	0	1	0	0	0	4
17:30 - 17:45	4	0	0	0	3	0	0	0	7
17:45 - 18:00	0	0	0	0	1	0	0	0	1
18:00 - 18:15	0	0	0	0	1	0	0	0	1
18:15 - 18:30	2	0	0	0	3	0	0	0	5
TOTAL	23	0	2	0	18	0	0	0	43

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	8	0	2	0	7	0	0	0	17
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.1: A92 (Burnside Drive) (South)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	3	0	0	0	2	0	0	0	5
07:15 - 07:30	0	0	0	0	3	0	0	0	3
07:30 - 07:45	2	0	0	0	7	0	1	0	10
07:45 - 08:00	2	0	2	0	1	0	0	1	6
08:00 - 08:15	1	0	0	0	3	0	0	0	4
08:15 - 08:30	3	0	0	0	4	0	0	0	7
08:30 - 08:45	5	0	0	0	8	1	0	3	17
08:45 - 09:00	5	0	0	0	7	1	0	0	13
09:00 - 09:15	6	0	1	0	6	0	0	2	15
09:15 - 09:30	9	0	0	0	7	0	0	0	16
09:30 - 09:45	5	0	0	0	7	0	1	0	13
09:45 - 10:00	3	0	0	0	17	0	0	0	20
TOTAL	44	0	3	0	72	2	2	6	129

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	25	0	1	0	27	1	1	2	57

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	8	1	0	0	22	0	3	0	34
15:45 - 16:00	15	0	1	0	12	0	1	0	29
16:00 - 16:15	12	0	1	0	16	0	2	0	31
16:15 - 16:30	10	0	0	0	23	0	0	0	33
16:30 - 16:45	6	0	0	0	14	0	0	0	20
16:45 - 17:00	8	0	0	0	8	0	0	0	16
17:00 - 17:15	1	0	0	0	14	0	0	2	17
17:15 - 17:30	1	0	0	0	7	1	0	0	9
17:30 - 17:45	6	0	0	0	11	0	0	0	17
17:45 - 18:00	1	0	0	0	10	0	0	0	11
18:00 - 18:15	5	0	1	0	3	0	0	0	9
18:15 - 18:30	7	0	0	0	2	0	1	0	10
TOTAL	80	1	3	0	142	1	7	2	236

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	45	1	2	0	73	0	6	0	127
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.2: Catherine Street



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	3	0	0	0	3
07:15 - 07:30	0	0	0	0	4	0	0	0	4
07:30 - 07:45	0	0	0	0	5	0	0	0	5
07:45 - 08:00	3	0	0	0	3	0	0	0	6
08:00 - 08:15	0	0	0	0	0	0	0	0	0
08:15 - 08:30	4	0	0	0	2	0	0	0	6
08:30 - 08:45	5	0	0	2	4	0	0	0	11
08:45 - 09:00	3	0	0	0	3	0	0	0	6
09:00 - 09:15	3	0	0	0	3	0	0	0	6
09:15 - 09:30	4	0	0	0	3	0	0	0	7
09:30 - 09:45	2	0	0	0	3	0	0	0	5
09:45 - 10:00	4	0	0	0	3	0	0	0	7
TOTAL	28	0	0	2	36	0	0	0	66

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	12	0	0	0	12	0	0	0	24

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	8	0	1	0	2	1	0	0	12
15:45 - 16:00	4	0	0	0	8	0	0	0	12
16:00 - 16:15	6	0	1	0	5	0	1	0	13
16:15 - 16:30	6	0	0	0	9	0	0	0	15
16:30 - 16:45	3	0	0	0	4	0	0	0	7
16:45 - 17:00	5	0	2	0	8	0	0	0	15
17:00 - 17:15	7	0	0	0	3	0	0	0	10
17:15 - 17:30	4	0	2	0	4	0	0	0	10
17:30 - 17:45	5	0	2	0	5	0	0	0	12
17:45 - 18:00	3	0	0	0	1	0	0	0	4
18:00 - 18:15	5	0	0	0	5	0	0	0	10
18:15 - 18:30	2	0	0	0	3	0	0	0	5
TOTAL	58	0	8	0	57	1	1	0	125

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	24	0	2	0	24	1	1	0	52
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.3: A92 (Burnside Drive) (North)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL PEDESTRIANS
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	
07:00 - 07:15	0	0	0	0	2	0	0	0	2
07:15 - 07:30	0	0	0	0	2	0	0	0	2
07:30 - 07:45	3	0	0	0	3	0	0	0	6
07:45 - 08:00	1	0	0	0	3	0	0	0	4
08:00 - 08:15	1	0	0	0	2	0	1	0	4
08:15 - 08:30	1	0	0	0	3	0	0	0	4
08:30 - 08:45	5	0	0	0	3	0	0	0	8
08:45 - 09:00	4	0	0	0	1	0	0	0	5
09:00 - 09:15	2	0	0	0	2	0	0	0	4
09:15 - 09:30	7	0	0	0	3	0	0	0	10
09:30 - 09:45	2	0	0	0	4	0	0	0	6
09:45 - 10:00	3	0	0	0	5	0	1	0	9
TOTAL	29	0	0	0	33	0	2	0	64

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL PEDESTRIANS
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	15	0	0	0	10	0	0	0	25

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL PEDESTRIANS
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	
15:30 - 15:45	8	0	0	0	1	0	0	0	9
15:45 - 16:00	5	0	0	0	6	0	0	0	11
16:00 - 16:15	9	0	0	1	2	0	0	0	12
16:15 - 16:30	5	0	1	0	7	0	0	0	13
16:30 - 16:45	6	0	1	0	6	0	1	0	14
16:45 - 17:00	7	0	0	0	3	0	0	0	10
17:00 - 17:15	3	0	0	0	6	0	0	0	9
17:15 - 17:30	3	0	0	0	1	0	0	0	4
17:30 - 17:45	2	0	0	0	6	0	0	0	8
17:45 - 18:00	1	0	0	0	9	0	0	0	10
18:00 - 18:15	4	0	0	0	3	0	0	0	7
18:15 - 18:30	6	0	0	0	1	0	0	0	7
TOTAL	59	0	2	1	51	0	1	0	114

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL PEDESTRIANS
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	27	0	1	1	16	0	0	0	45
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

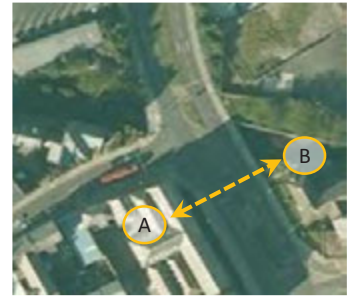
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Millgate Traffic Signals

Movement 6.1: A92 (Burnside Drive) (South)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	1	0	0	0	3	0	0	0	4
07:15 - 07:30	1	0	0	0	3	0	0	0	4
07:30 - 07:45	0	0	0	0	6	0	0	0	6
07:45 - 08:00	2	0	0	0	1	0	0	0	3
08:00 - 08:15	0	0	0	0	4	0	1	1	6
08:15 - 08:30	1	0	0	0	8	0	0	2	11
08:30 - 08:45	2	0	0	0	2	0	0	4	8
08:45 - 09:00	16	0	0	0	8	1	4	1	30
09:00 - 09:15	11	0	2	0	2	0	0	0	15
09:15 - 09:30	9	0	2	0	6	0	0	0	17
09:30 - 09:45	7	0	2	0	5	0	0	0	14
09:45 - 10:00	5	1	0	0	12	0	0	0	18
TOTAL	55	1	6	0	60	1	5	8	136

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	43	0	6	0	21	1	4	1	76

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	11	0	6	0	7	0	0	0	24
15:45 - 16:00	9	0	0	0	5	0	0	0	14
16:00 - 16:15	18	0	1	1	5	0	1	0	26
16:15 - 16:30	14	3	0	0	7	0	0	0	24
16:30 - 16:45	4	0	0	0	5	0	0	0	9
16:45 - 17:00	7	0	0	0	5	0	0	0	12
17:00 - 17:15	4	0	0	0	12	0	0	0	16
17:15 - 17:30	2	0	0	0	3	0	0	0	5
17:30 - 17:45	9	0	0	0	1	0	2	0	12
17:45 - 18:00	7	0	0	0	4	0	0	0	11
18:00 - 18:15	6	0	1	0	10	0	1	0	18
18:15 - 18:30	0	0	0	0	3	0	0	0	3
TOTAL	91	3	8	1	67	0	4	0	174

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	52	3	7	1	24	0	1	0	88
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002
 Date: Thursday 8th February 2017
 Weather: AM & PM: Dry / Overcast
 Junction: A92 (Burnside Drive) / Millgate Traffic Signals
 Movement 6.2: Millgate



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	1	0	0	0	0	0	0	0	1
07:15 - 07:30	3	0	0	0	1	0	0	0	4
07:30 - 07:45	4	0	0	0	0	0	0	0	4
07:45 - 08:00	1	0	0	0	0	0	0	0	1
08:00 - 08:15	3	0	1	0	1	0	0	0	5
08:15 - 08:30	9	0	0	0	2	0	0	0	11
08:30 - 08:45	1	0	0	0	2	0	0	0	3
08:45 - 09:00	0	0	0	1	1	0	2	1	5
09:00 - 09:15	1	0	0	0	4	0	0	0	5
09:15 - 09:30	3	0	0	0	3	0	0	0	6
09:30 - 09:45	1	0	0	0	2	0	1	0	4
09:45 - 10:00	3	0	0	0	1	0	0	0	4
TOTAL	30	0	1	1	17	0	3	1	53

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	5	0	0	1	10	0	3	1	20

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	3	0	0	0	4	1	0	0	8
15:45 - 16:00	2	0	0	0	1	0	0	0	3
16:00 - 16:15	3	0	1	0	2	0	0	0	6
16:15 - 16:30	2	0	0	0	6	0	1	0	9
16:30 - 16:45	1	0	0	0	0	0	0	0	1
16:45 - 17:00	4	0	1	0	1	0	0	0	6
17:00 - 17:15	2	0	0	0	2	0	0	0	4
17:15 - 17:30	5	0	1	0	2	0	0	0	8
17:30 - 17:45	0	0	0	0	5	0	0	0	5
17:45 - 18:00	7	0	0	0	4	0	1	0	12
18:00 - 18:15	3	0	0	0	0	0	0	0	3
18:15 - 18:30	2	0	0	0	0	0	0	0	2
TOTAL	34	0	3	0	27	1	2	0	67

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	10	0	1	0	13	1	1	0	26
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Millgate Traffic Signals

Movement 6.1: A92 (Burnside Drive) (North)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	1	0	0	0	1
07:15 - 07:30	1	0	0	0	2	0	0	0	3
07:30 - 07:45	0	0	0	0	4	0	0	0	4
07:45 - 08:00	1	0	0	0	1	0	0	0	2
08:00 - 08:15	5	1	0	0	3	0	0	0	9
08:15 - 08:30	4	0	0	0	3	0	0	0	7
08:30 - 08:45	6	0	0	0	8	0	0	3	17
08:45 - 09:00	7	0	1	0	6	1	6	0	21
09:00 - 09:15	12	0	1	0	3	0	0	0	16
09:15 - 09:30	19	0	0	0	8	0	1	0	28
09:30 - 09:45	17	1	0	0	11	0	2	0	31
09:45 - 10:00	12	0	1	0	8	0	2	0	23
TOTAL	84	2	3	0	58	1	11	3	162

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	55	1	2	0	28	1	9	0	96

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	12	0	7	0	14	1	1	0	35
15:45 - 16:00	11	0	0	0	10	0	2	0	23
16:00 - 16:15	16	0	5	2	6	0	0	0	29
16:15 - 16:30	8	0	0	0	7	0	1	0	16
16:30 - 16:45	5	0	0	0	8	0	0	0	13
16:45 - 17:00	11	0	1	0	8	0	0	0	20
17:00 - 17:15	5	0	0	1	10	0	0	0	16
17:15 - 17:30	2	0	0	0	3	0	0	0	5
17:30 - 17:45	5	0	0	0	8	0	0	0	13
17:45 - 18:00	2	0	0	0	8	0	1	0	11
18:00 - 18:15	9	0	0	0	6	0	0	0	15
18:15 - 18:30	7	0	0	0	4	0	0	0	11
TOTAL	93	0	13	3	92	1	5	0	207

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	47	0	12	2	37	1	4	0	103
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

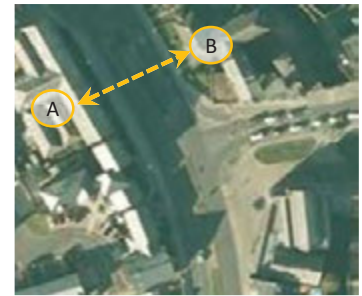
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Brothock Bridge Traffic Signals

Movement 7.1: A92 (Burnside Drive) (North)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	1	0	0	0	3	0	0	0	4
07:15 - 07:30	1	0	0	0	3	0	0	0	4
07:30 - 07:45	0	0	0	0	6	0	0	0	6
07:45 - 08:00	2	0	0	0	1	0	0	0	3
08:00 - 08:15	0	0	0	0	4	0	1	1	6
08:15 - 08:30	1	0	0	0	8	0	0	2	11
08:30 - 08:45	2	0	0	0	2	0	0	4	8
08:45 - 09:00	16	0	0	0	8	1	4	1	30
09:00 - 09:15	11	0	2	0	2	0	0	0	15
09:15 - 09:30	9	0	2	0	6	0	0	0	17
09:30 - 09:45	7	0	2	0	5	0	0	0	14
09:45 - 10:00	5	1	0	0	12	0	0	0	18
TOTAL	55	1	6	0	60	1	5	8	136

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	43	0	6	0	21	1	4	1	76

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	11	0	6	0	7	0	0	0	24
15:45 - 16:00	9	0	0	0	5	0	0	0	14
16:00 - 16:15	18	0	1	1	5	0	1	0	26
16:15 - 16:30	14	3	0	0	7	0	0	0	24
16:30 - 16:45	4	0	0	0	5	0	0	0	9
16:45 - 17:00	7	0	0	0	5	0	0	0	12
17:00 - 17:15	4	0	0	0	12	0	0	0	16
17:15 - 17:30	2	0	0	0	3	0	0	0	5
17:30 - 17:45	9	0	0	0	1	0	2	0	12
17:45 - 18:00	7	0	0	0	4	0	0	0	11
18:00 - 18:15	6	0	1	0	10	0	1	0	18
18:15 - 18:30	0	0	0	0	3	0	0	0	3
TOTAL	91	3	8	1	67	0	4	0	174

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	52	3	7	1	24	0	1	0	88
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath

Client: AECOM

Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Brothock Bridge Traffic Signals

Movement 7.2: Brothock Bridge



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	1	0	0	0	0	0	0	0	1
07:15 - 07:30	1	0	0	0	0	0	0	0	1
07:30 - 07:45	0	0	0	0	0	0	0	0	0
07:45 - 08:00	0	0	0	1	1	0	0	0	2
08:00 - 08:15	0	0	0	0	0	0	0	0	0
08:15 - 08:30	1	0	0	0	0	0	0	0	1
08:30 - 08:45	5	0	0	3	1	0	0	0	9
08:45 - 09:00	12	0	0	1	2	0	0	0	15
09:00 - 09:15	1	1	0	0	0	0	0	0	2
09:15 - 09:30	2	0	0	0	5	0	0	0	7
09:30 - 09:45	5	0	0	0	2	0	0	0	7
09:45 - 10:00	5	0	1	0	10	0	0	0	16
TOTAL	33	1	1	5	21	0	0	0	61

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	20	1	0	1	9	0	0	0	31

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	2	0	0	0	6	0	1	0	9
15:45 - 16:00	7	0	1	0	5	0	1	0	14
16:00 - 16:15	1	0	0	0	5	0	1	0	7
16:15 - 16:30	3	0	0	0	7	2	0	0	12
16:30 - 16:45	1	0	1	0	1	0	0	0	3
16:45 - 17:00	1	0	0	0	10	0	0	0	11
17:00 - 17:15	2	0	0	0	10	0	1	1	14
17:15 - 17:30	1	0	0	0	2	0	0	0	3
17:30 - 17:45	0	0	0	0	1	0	0	0	1
17:45 - 18:00	0	0	0	0	3	0	0	0	3
18:00 - 18:15	1	0	0	0	3	0	2	0	6
18:15 - 18:30	1	0	0	0	3	0	0	0	4
TOTAL	20	0	2	0	56	2	6	1	87

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	13	0	1	0	23	2	3	0	42
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Brothock Bridge Traffic Signals

Movement 7.3: A92 (Burnside Drive) (South)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	0	0	0	0	0
07:15 - 07:30	1	0	0	0	0	0	0	0	1
07:30 - 07:45	1	0	0	0	1	0	0	0	2
07:45 - 08:00	0	0	0	0	2	0	0	0	2
08:00 - 08:15	0	0	0	0	0	0	0	0	0
08:15 - 08:30	2	0	0	0	1	0	0	0	3
08:30 - 08:45	7	0	0	0	4	0	9	0	20
08:45 - 09:00	9	0	0	0	2	0	0	0	11
09:00 - 09:15	5	1	1	0	0	0	0	0	7
09:15 - 09:30	14	0	0	0	4	0	0	0	18
09:30 - 09:45	5	0	0	0	5	0	0	0	10
09:45 - 10:00	11	0	1	0	11	0	0	0	23
TOTAL	55	1	2	0	30	0	9	0	97

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	33	1	1	0	11	0	0	0	46

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	5	0	9	0	4	0	0	0	18
15:45 - 16:00	3	0	0	0	5	0	0	0	8
16:00 - 16:15	6	0	0	0	8	0	2	0	16
16:15 - 16:30	5	0	0	2	3	0	0	0	10
16:30 - 16:45	3	0	0	0	3	0	0	0	6
16:45 - 17:00	3	0	2	0	8	0	1	0	14
17:00 - 17:15	2	0	0	0	7	0	2	0	11
17:15 - 17:30	1	0	0	0	0	0	0	0	1
17:30 - 17:45	3	0	0	0	1	0	0	0	4
17:45 - 18:00	2	0	0	0	2	1	0	0	5
18:00 - 18:15	2	0	0	0	0	0	0	0	2
18:15 - 18:30	3	0	0	0	2	0	0	0	5
TOTAL	38	0	11	2	43	1	5	0	100

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	19	0	9	2	20	0	2	0	52
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout

Movement 8.1: A92 (Ladyloan)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	0	0	0	0	0
07:15 - 07:30	0	0	0	0	0	0	0	0	0
07:30 - 07:45	1	0	0	0	1	0	0	0	2
07:45 - 08:00	1	0	0	0	0	0	0	0	1
08:00 - 08:15	0	0	0	0	1	0	0	1	2
08:15 - 08:30	3	0	1	0	0	0	0	2	6
08:30 - 08:45	2	0	0	0	0	0	0	0	2
08:45 - 09:00	3	0	1	0	6	0	8	0	18
09:00 - 09:15	3	0	1	0	2	0	0	0	6
09:15 - 09:30	3	0	1	0	2	0	0	0	6
09:30 - 09:45	1	0	0	0	0	0	0	0	1
09:45 - 10:00	5	0	0	0	2	0	0	0	7
TOTAL	22	0	4	0	14	0	8	3	51

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	10	0	3	0	10	0	8	0	31

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	3	0	0	2	12	0	1	0	18
15:45 - 16:00	1	0	0	0	6	0	0	0	7
16:00 - 16:15	0	0	0	0	1	0	0	0	1
16:15 - 16:30	2	0	0	0	3	0	0	0	5
16:30 - 16:45	1	0	0	0	1	0	0	0	2
16:45 - 17:00	1	0	0	0	5	0	0	0	6
17:00 - 17:15	1	0	0	0	0	0	0	0	1
17:15 - 17:30	2	0	0	0	1	0	0	0	3
17:30 - 17:45	0	0	0	0	1	0	0	0	1
17:45 - 18:00	0	0	0	0	1	0	1	0	2
18:00 - 18:15	0	0	0	0	2	0	0	0	2
18:15 - 18:30	3	0	0	0	0	0	0	0	3
TOTAL	14	0	0	2	33	0	2	0	51

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	6	0	0	2	22	0	1	0	31
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS

CLASSIFIED PEDESTRIAN CROSSING SURVEY

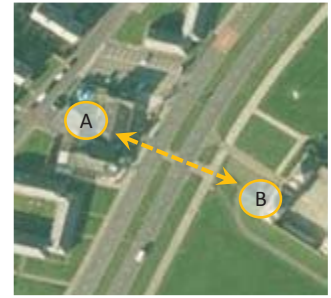
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Location: A92 (Burnside Drive)

Movement 11.1: A92 (Burnside Drive) at The Bellrock Restaurant



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	1	0	0	0	0	0	0	0	1
07:15 - 07:30	0	0	0	0	0	0	0	0	0
07:30 - 07:45	0	0	0	0	0	0	0	0	0
07:45 - 08:00	0	0	0	0	0	0	0	0	0
08:00 - 08:15	1	0	0	0	0	0	0	0	1
08:15 - 08:30	0	0	0	0	1	0	0	0	1
08:30 - 08:45	0	0	0	0	0	0	0	0	0
08:45 - 09:00	0	0	0	0	0	0	0	0	0
09:00 - 09:15	1	0	1	0	1	0	0	0	3
09:15 - 09:30	0	0	0	0	1	0	1	0	2
09:30 - 09:45	0	0	0	0	1	0	0	0	1
09:45 - 10:00	0	0	0	0	0	0	0	0	0
TOTAL	3	0	1	0	4	0	1	0	9

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	1	0	1	0	3	0	1	0	6

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	0	0	0	0	1	0	2	0	3
15:45 - 16:00	0	0	0	0	0	0	0	0	0
16:00 - 16:15	0	0	0	0	0	0	0	0	0
16:15 - 16:30	0	0	0	0	1	0	0	0	1
16:30 - 16:45	0	0	0	0	0	0	0	0	0
16:45 - 17:00	0	0	0	0	1	0	0	0	1
17:00 - 17:15	1	0	0	0	0	0	0	0	1
17:15 - 17:30	0	0	0	0	0	0	0	0	0
17:30 - 17:45	0	0	0	0	1	0	1	0	2
17:45 - 18:00	0	0	0	0	0	0	0	0	0
18:00 - 18:15	0	0	0	0	1	0	0	0	1
18:15 - 18:30	0	0	0	0	0	0	0	0	0
TOTAL	1	0	0	0	5	0	3	0	9

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	0	0	0	0	2	0	2	0	4
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
16:15 - 17:15	1	0	0	0	2	0	0	0	3

CLASSIFIED PEDESTRIAN CROSSING SURVEY

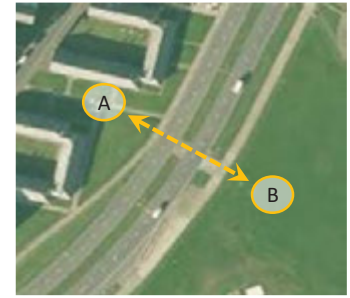
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Location: A92 (Burnside Drive)

Movement 11.2: A92 (Burnside Drive), approximately 75m south of The Bellrock Restaurant



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	0	0	0	0	0
07:15 - 07:30	0	0	0	0	0	0	0	0	0
07:30 - 07:45	0	0	0	0	0	0	0	0	0
07:45 - 08:00	0	0	0	0	0	0	0	0	0
08:00 - 08:15	0	0	0	0	0	0	0	0	0
08:15 - 08:30	0	0	0	0	0	0	0	0	0
08:30 - 08:45	0	0	0	0	0	0	0	0	0
08:45 - 09:00	0	0	0	0	0	0	0	0	0
09:00 - 09:15	1	0	0	0	0	0	0	0	1
09:15 - 09:30	0	0	0	0	0	0	0	0	0
09:30 - 09:45	0	0	0	0	0	0	0	0	0
09:45 - 10:00	0	0	0	0	1	0	0	0	1
TOTAL	1	0	0	0	1	0	0	0	2

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	1	0	0	0	0	0	0	0	1

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	0	0	0	0	0	0	0	0	0
15:45 - 16:00	1	0	0	0	0	0	0	0	1
16:00 - 16:15	0	0	0	0	0	0	0	0	0
16:15 - 16:30	0	0	0	0	1	0	0	0	1
16:30 - 16:45	0	0	0	0	0	0	0	0	0
16:45 - 17:00	1	0	1	0	0	0	0	0	2
17:00 - 17:15	0	0	0	0	0	0	0	0	0
17:15 - 17:30	0	0	0	0	0	0	0	0	0
17:30 - 17:45	0	0	0	0	0	0	0	0	0
17:45 - 18:00	0	0	0	0	0	0	0	0	0
18:00 - 18:15	0	0	0	0	0	0	0	0	0
18:15 - 18:30	0	0	0	0	0	0	0	0	0
TOTAL	2	0	1	0	1	0	0	0	4

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	1	0	0	0	1	0	0	0	2
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
16:15 - 17:15	1	0	1	0	1	0	0	0	3

CLASSIFIED PEDESTRIAN CROSSING SURVEY

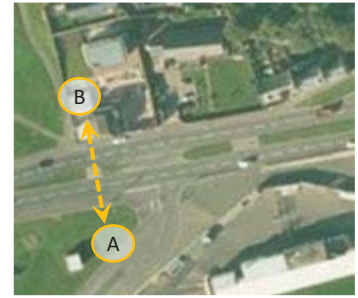
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Thursday 8th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction

Movement 11.3: A92 (Dundee Road), west of Queens Drive



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
07:00 - 07:15	0	0	0	0	1	0	0	0	1
07:15 - 07:30	0	0	0	0	0	0	0	0	0
07:30 - 07:45	0	0	0	0	1	0	0	0	1
07:45 - 08:00	0	0	0	0	1	0	0	0	1
08:00 - 08:15	1	0	0	0	1	0	0	0	2
08:15 - 08:30	1	0	0	0	1	0	1	0	3
08:30 - 08:45	0	0	0	0	0	0	0	0	0
08:45 - 09:00	1	0	0	0	1	0	0	0	2
09:00 - 09:15	0	0	0	0	1	0	0	0	1
09:15 - 09:30	0	0	0	0	0	0	0	0	0
09:30 - 09:45	0	0	0	0	0	0	0	0	0
09:45 - 10:00	0	0	0	0	1	0	0	0	1
TOTAL	3	0	0	0	8	0	1	0	12

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
									0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
08:45 - 09:45	1	0	0	0	2	0	0	0	3

TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 15:45	2	0	1	0	0	0	0	0	3
15:45 - 16:00	0	0	0	0	3	0	2	0	5
16:00 - 16:15	1	0	0	0	1	0	0	0	2
16:15 - 16:30	0	0	0	0	0	0	0	0	0
16:30 - 16:45	0	0	0	0	1	0	0	0	1
16:45 - 17:00	0	0	0	0	1	0	3	0	4
17:00 - 17:15	1	0	0	0	0	0	0	0	1
17:15 - 17:30	0	0	0	0	0	0	0	0	0
17:30 - 17:45	2	0	0	0	0	0	0	0	2
17:45 - 18:00	0	0	0	0	0	0	0	0	0
18:00 - 18:15	2	0	0	0	0	0	0	0	2
18:15 - 18:30	0	0	0	0	1	0	0	0	1
TOTAL	8	0	1	0	7	0	5	0	21

PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
15:30 - 16:30	3	0	1	0	4	0	2	0	10
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
16:15 - 17:15	1	0	0	0	2	0	3	0	6

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.1: A92 (North)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				PEDESTRIANS
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	
11:30 - 11:45	4	0	0	0	3	0	0	0	7
11:45 - 12:00	1	0	0	0	0	0	0	0	1
12:00 - 12:15	6	0	3	0	1	0	0	0	10
12:15 - 12:30	1	0	0	0	6	0	1	0	8
12:30 - 12:45	7	0	0	0	0	0	0	0	7
12:45 - 13:00	3	0	0	0	1	0	0	0	4
13:00 - 13:15	3	0	2	0	2	0	0	0	7
13:15 - 13:30	2	0	1	0	4	0	0	1	8
13:30 - 13:45	0	0	0	0	3	0	2	0	5
13:45 - 14:00	9	0	4	0	4	0	3	0	20
14:00 - 14:15	4	0	0	0	0	0	0	0	4
14:15 - 14:30	4	0	0	0	3	0	0	0	7
TOTAL	44	0	10	0	27	0	6	1	88

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				PEDESTRIANS
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	
PEDESTRIAN 11:45 - 12:45	15	0	3	0	7	0	1	0	26
TRAFFIC 12:15 - 13:15	14	0	2	0	9	0	1	0	26

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.2: Guthrie Port (East)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				PEDESTRIANS
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	
11:30 - 11:45	1	0	0	0	4	0	0	0	5
11:45 - 12:00	0	0	0	0	1	0	0	0	1
12:00 - 12:15	2	0	0	0	0	0	0	0	2
12:15 - 12:30	5	0	0	0	3	0	0	0	8
12:30 - 12:45	1	0	0	0	3	0	0	0	4
12:45 - 13:00	1	0	0	0	4	1	0	0	6
13:00 - 13:15	3	0	0	0	3	0	0	0	6
13:15 - 13:30	0	0	0	0	4	0	1	0	5
13:30 - 13:45	1	1	0	0	0	0	0	0	2
13:45 - 14:00	0	0	0	0	0	0	0	0	0
14:00 - 14:15	2	0	0	0	5	0	0	0	7
14:15 - 14:30	7	0	0	0	1	0	3	0	11
TOTAL	23	1	0	0	28	1	4	0	57

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				PEDESTRIANS
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	
11:45 - 12:45	8	0	0	0	7	0	0	0	15
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	
12:15 - 13:15	10	0	0	0	13	1	0	0	24

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.3: A92 (Burnside Drive) (South)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	0	0	0	0	4	0	0	0	4
11:45 - 12:00	0	0	0	0	3	0	0	0	3
12:00 - 12:15	2	0	0	0	2	0	0	0	4
12:15 - 12:30	1	0	0	0	0	0	0	0	1
12:30 - 12:45	2	0	1	0	0	1	0	0	4
12:45 - 13:00	0	0	0	0	1	0	0	0	1
13:00 - 13:15	3	0	0	0	2	0	0	0	5
13:15 - 13:30	1	0	0	0	2	0	0	0	3
13:30 - 13:45	2	0	2	0	1	0	0	0	5
13:45 - 14:00	0	0	0	0	5	0	0	0	5
14:00 - 14:15	4	0	0	0	3	0	0	0	7
14:15 - 14:30	0	0	0	0	5	0	3	0	8
TOTAL	15	0	3	0	28	1	3	0	50

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	5	0	1	0	5	1	0	0	12
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	6	0	1	0	3	1	0	0	11

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Guthrie Port Roundabout

Movement 1.4: Guthrie Port (West)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	0	0	0	0	1	0	0	0	1
11:45 - 12:00	1	0	0	0	6	0	4	0	11
12:00 - 12:15	2	0	0	0	7	0	2	0	11
12:15 - 12:30	3	0	2	0	1	0	1	0	7
12:30 - 12:45	6	1	0	0	2	0	1	0	10
12:45 - 13:00	2	0	0	0	6	0	1	0	9
13:00 - 13:15	2	0	0	0	6	0	0	0	8
13:15 - 13:30	2	0	0	0	3	0	0	0	5
13:30 - 13:45	1	0	0	0	3	0	1	3	8
13:45 - 14:00	2	0	2	0	3	0	0	0	7
14:00 - 14:15	1	0	2	0	6	0	0	0	9
14:15 - 14:30	2	0	1	0	7	0	1	0	11
TOTAL	24	1	7	0	51	0	11	3	97

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	12	1	2	0	16	0	8	0	39
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	13	1	2	0	15	0	3	0	34

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Hume Street Priority Junction

Movement 2.1: A92 (Burnside Road) (South)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	3	0	0	0	4	0	0	0	7
11:45 - 12:00	9	0	1	0	4	0	0	0	14
12:00 - 12:15	1	0	0	0	6	0	0	0	7
12:15 - 12:30	2	0	0	0	3	0	0	0	5
12:30 - 12:45	1	0	0	0	3	0	0	0	4
12:45 - 13:00	4	0	0	0	1	0	0	0	5
13:00 - 13:15	1	0	0	0	2	0	0	0	3
13:15 - 13:30	2	0	0	0	2	0	0	3	7
13:30 - 13:45	1	0	0	0	1	0	0	0	2
13:45 - 14:00	1	0	0	0	2	0	0	0	3
14:00 - 14:15	11	0	0	0	2	0	0	0	13
14:15 - 14:30	0	0	0	0	3	0	0	0	3
TOTAL	36	0	1	0	33	0	0	3	73

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	13	0	1	0	16	0	0	0	30
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	8	0	0	0	9	0	0	0	17

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Hume Street Priority Junction

Movement 2.2: Hume Street



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	5	0	0	0	3	0	0	0	8
11:45 - 12:00	6	0	0	0	4	0	0	0	10
12:00 - 12:15	19	0	0	0	0	0	0	0	19
12:15 - 12:30	5	0	0	0	1	0	0	0	6
12:30 - 12:45	4	0	0	0	0	0	0	0	4
12:45 - 13:00	2	0	0	0	1	0	0	0	3
13:00 - 13:15	7	0	2	0	4	0	0	0	13
13:15 - 13:30	3	0	0	3	3	0	0	0	9
13:30 - 13:45	2	0	0	0	1	0	0	0	3
13:45 - 14:00	2	0	0	0	0	0	0	0	2
14:00 - 14:15	6	0	0	0	6	0	0	0	12
14:15 - 14:30	6	0	0	0	1	0	0	0	7
TOTAL	67	0	2	3	24	0	0	0	96

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	34	0	0	0	5	0	0	0	39
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	18	0	2	0	6	0	0	0	26

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Hume Street Priority Junction

Movement 2.3: A92 (Burnside Drive) (North)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	10	0	1	0	6	0	1	0	18
11:45 - 12:00	3	2	1	0	9	1	3	0	19
12:00 - 12:15	6	0	0	0	13	0	1	0	20
12:15 - 12:30	8	0	2	0	15	0	0	0	25
12:30 - 12:45	13	0	2	0	10	0	1	0	26
12:45 - 13:00	11	0	2	0	5	1	0	0	19
13:00 - 13:15	8	0	4	0	2	0	1	0	15
13:15 - 13:30	9	0	0	0	8	0	0	0	17
13:30 - 13:45	8	1	1	0	10	0	1	0	21
13:45 - 14:00	6	0	2	0	12	0	2	0	22
14:00 - 14:15	12	0	0	0	5	0	1	0	18
14:15 - 14:30	5	0	0	0	8	0	2	0	15
TOTAL	99	3	15	0	103	2	13	0	235

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	30	2	5	0	47	1	5	0	90
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	40	0	10	0	32	1	2	0	85

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout

Movement 3.1: Lordburn



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	0	0	0	0	2	0	0	0	2
11:45 - 12:00	4	0	0	0	1	0	0	0	5
12:00 - 12:15	4	0	0	0	0	0	0	0	4
12:15 - 12:30	3	0	0	0	0	0	0	0	3
12:30 - 12:45	5	0	2	0	1	0	0	0	8
12:45 - 13:00	2	0	0	0	3	0	1	0	6
13:00 - 13:15	1	0	0	0	2	0	0	0	3
13:15 - 13:30	4	0	1	0	1	0	0	0	6
13:30 - 13:45	1	0	1	0	1	1	0	0	4
13:45 - 14:00	2	0	0	0	0	0	0	0	2
14:00 - 14:15	0	0	0	0	5	0	0	0	5
14:15 - 14:30	5	0	1	0	1	0	0	0	7
TOTAL	31	0	5	0	17	1	1	0	55

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	16	0	2	0	2	0	0	0	20
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	11	0	2	0	6	0	1	0	20

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.1: A92 (Burnside Drive) (South)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	10	3	0	0	18	0	2	0	33
11:45 - 12:00	13	1	2	0	7	2	1	0	26
12:00 - 12:15	9	0	1	0	20	0	3	0	33
12:15 - 12:30	10	1	1	0	20	0	0	0	32
12:30 - 12:45	16	0	1	0	19	1	0	0	37
12:45 - 13:00	10	1	3	0	16	0	2	0	32
13:00 - 13:15	15	0	1	0	11	0	2	0	29
13:15 - 13:30	22	0	2	0	16	0	2	0	42
13:30 - 13:45	6	0	0	0	23	0	2	0	31
13:45 - 14:00	8	0	1	0	16	2	4	0	31
14:00 - 14:15	20	0	1	0	21	0	1	0	43
14:15 - 14:30	15	0	0	0	12	1	3	0	31
TOTAL	154	6	13	0	199	6	22	0	400

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	48	2	5	0	66	3	4	0	128
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	51	2	6	0	66	1	4	0	130

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.2: Catherine Street



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	3	0	0	0	5	0	1	0	9
11:45 - 12:00	6	0	0	0	4	0	0	0	10
12:00 - 12:15	9	0	0	0	3	0	0	0	12
12:15 - 12:30	5	0	0	0	3	0	0	0	8
12:30 - 12:45	2	0	0	0	3	0	0	0	5
12:45 - 13:00	6	0	0	0	7	0	1	0	14
13:00 - 13:15	4	0	1	0	5	0	0	0	10
13:15 - 13:30	1	0	0	0	2	0	0	0	3
13:30 - 13:45	0	0	0	0	7	0	1	0	8
13:45 - 14:00	3	0	0	0	4	0	0	0	7
14:00 - 14:15	3	0	0	0	3	0	0	0	6
14:15 - 14:30	12	0	4	0	3	0	0	0	19
TOTAL	54	0	5	0	49	0	3	0	111

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	22	0	0	0	13	0	0	0	35
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	17	0	1	0	18	0	1	0	37

CLASSIFIED PEDESTRIAN CROSSING SURVEY

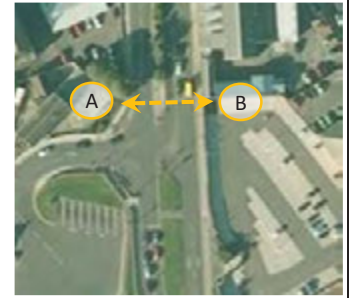
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Catherine Street Traffic Signals

Movement 4.3: A92 (Burnside Drive) (North)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	6	0	0	0	2	0	1	0	9
11:45 - 12:00	4	0	0	0	5	0	0	0	9
12:00 - 12:15	6	0	0	0	4	0	0	0	10
12:15 - 12:30	10	0	0	0	1	0	0	0	11
12:30 - 12:45	6	0	4	0	7	0	2	0	19
12:45 - 13:00	6	0	0	0	9	0	1	0	16
13:00 - 13:15	5	0	1	11	3	0	0	0	20
13:15 - 13:30	2	0	0	0	2	0	0	0	4
13:30 - 13:45	3	0	1	0	1	0	0	0	5
13:45 - 14:00	4	0	0	0	3	0	1	0	8
14:00 - 14:15	1	0	0	0	6	0	0	0	7
14:15 - 14:30	10	0	1	2	4	0	0	0	17
TOTAL	63	0	7	13	47	0	5	0	135

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	26	0	4	0	17	0	2	0	49
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	27	0	5	11	20	0	3	0	66

CLASSIFIED PEDESTRIAN CROSSING SURVEY

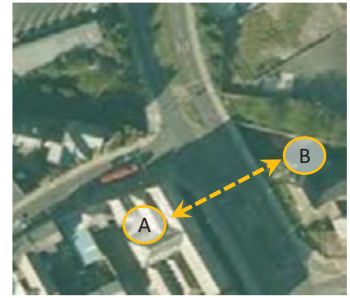
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Millgate Traffic Signals

Movement 6.1: A92 (Burnside Drive) (South)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	6	0	0	0	6	1	0	0	13
11:45 - 12:00	14	0	1	0	18	0	0	0	33
12:00 - 12:15	9	0	1	2	6	0	0	0	18
12:15 - 12:30	10	0	4	0	5	0	0	0	19
12:30 - 12:45	6	0	0	0	6	0	1	0	13
12:45 - 13:00	6	0	0	0	5	0	2	0	13
13:00 - 13:15	13	0	1	0	4	0	0	0	18
13:15 - 13:30	7	0	1	0	12	0	1	0	21
13:30 - 13:45	9	0	0	0	16	1	0	0	26
13:45 - 14:00	8	0	0	0	6	0	0	0	14
14:00 - 14:15	6	0	0	0	16	0	0	0	22
14:15 - 14:30	16	0	3	0	2	0	3	0	24
TOTAL	110	0	11	2	102	2	7	0	234

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	39	0	6	2	35	0	1	0	83
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	35	0	5	0	20	0	3	0	63

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Millgate Traffic Signals

Movement 6.2: Millgate



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	2	0	0	0	2	0	0	0	4
11:45 - 12:00	5	0	0	0	1	0	0	0	6
12:00 - 12:15	0	0	0	0	1	0	0	0	1
12:15 - 12:30	1	0	0	0	0	0	0	0	1
12:30 - 12:45	0	0	0	0	4	0	3	0	7
12:45 - 13:00	2	0	0	0	7	0	0	0	9
13:00 - 13:15	3	0	0	0	7	0	0	0	10
13:15 - 13:30	4	0	0	0	2	0	0	0	6
13:30 - 13:45	15	0	0	0	3	0	0	0	18
13:45 - 14:00	1	0	0	0	1	0	0	0	2
14:00 - 14:15	1	0	0	0	4	0	0	0	5
14:15 - 14:30	5	0	1	0	3	0	0	0	9
TOTAL	39	0	1	0	35	0	3	0	78

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	6	0	0	0	6	0	3	0	15
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	6	0	0	0	18	0	3	0	27

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Millgate Traffic Signals

Movement 6.1: A92 (Burnside Drive) (North)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	12	0	1	0	17	1	0	0	31
11:45 - 12:00	22	0	2	0	6	0	0	0	30
12:00 - 12:15	12	1	1	0	14	1	0	0	29
12:15 - 12:30	5	0	0	0	15	0	3	0	23
12:30 - 12:45	18	0	0	0	10	0	5	0	33
12:45 - 13:00	10	0	0	0	11	0	0	0	21
13:00 - 13:15	18	0	1	0	13	0	0	0	32
13:15 - 13:30	5	0	2	0	6	0	1	0	14
13:30 - 13:45	1	0	0	0	11	0	1	0	13
13:45 - 14:00	12	0	4	0	6	0	2	0	24
14:00 - 14:15	4	0	1	0	8	0	2	0	15
14:15 - 14:30	13	0	2	0	8	0	0	0	23
TOTAL	132	1	14	0	125	2	14	0	288

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	57	1	3	0	45	1	8	0	115
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	51	0	1	0	49	0	8	0	109

CLASSIFIED PEDESTRIAN CROSSING SURVEY

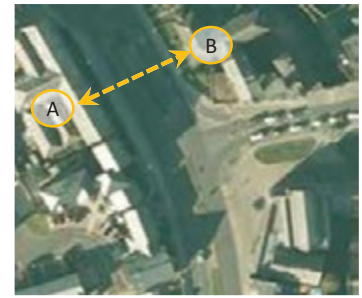
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Brothock Bridge Traffic Signals

Movement 7.1: A92 (Burnside Drive) (North)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	6	0	0	0	6	1	0	0	13
11:45 - 12:00	14	0	1	0	18	0	0	0	33
12:00 - 12:15	9	0	1	2	6	0	0	0	18
12:15 - 12:30	10	0	4	0	5	0	0	0	19
12:30 - 12:45	6	0	0	0	6	0	1	0	13
12:45 - 13:00	6	0	0	0	5	0	2	0	13
13:00 - 13:15	13	0	1	0	4	0	0	0	18
13:15 - 13:30	7	0	1	0	12	0	1	0	21
13:30 - 13:45	9	0	0	0	16	1	0	0	26
13:45 - 14:00	8	0	0	0	6	0	0	0	14
14:00 - 14:15	6	0	0	0	16	0	0	0	22
14:15 - 14:30	16	0	3	0	2	0	3	0	24
TOTAL	110	0	11	2	102	2	7	0	234

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	39	0	6	2	35	0	1	0	83
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	35	0	5	0	20	0	3	0	63

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Brothock Bridge Traffic Signals

Movement 7.2: Brothock Bridge



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	0	0	0	0	2	0	0	0	2
11:45 - 12:00	6	0	1	0	7	0	0	0	14
12:00 - 12:15	1	0	0	0	5	0	0	0	6
12:15 - 12:30	0	0	0	0	5	0	1	0	6
12:30 - 12:45	2	0	0	0	0	0	0	0	2
12:45 - 13:00	1	0	0	0	0	0	0	0	1
13:00 - 13:15	3	0	0	0	6	0	1	0	10
13:15 - 13:30	2	0	0	0	1	0	1	0	4
13:30 - 13:45	4	0	0	0	4	0	0	0	8
13:45 - 14:00	3	0	0	0	9	1	0	0	13
14:00 - 14:15	3	0	0	0	3	0	0	0	6
14:15 - 14:30	2	0	0	0	2	0	1	0	5
TOTAL	27	0	1	0	44	1	4	0	77

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	9	0	1	0	17	0	1	0	28
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	6	0	0	0	11	0	2	0	19

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive) / Brothock Bridge Traffic Signals

Movement 7.3: A92 (Burnside Drive) (South)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	4	0	0	0	1	1	0	0	6
11:45 - 12:00	6	1	0	0	3	0	0	0	10
12:00 - 12:15	3	0	0	0	8	0	0	0	11
12:15 - 12:30	2	0	0	0	3	0	0	0	5
12:30 - 12:45	8	1	0	0	1	0	0	0	10
12:45 - 13:00	7	0	0	0	3	0	0	0	10
13:00 - 13:15	6	0	1	0	6	0	1	0	14
13:15 - 13:30	6	0	0	0	0	0	0	0	6
13:30 - 13:45	2	0	0	0	12	0	0	0	14
13:45 - 14:00	3	0	0	0	4	0	1	0	8
14:00 - 14:15	5	0	0	0	3	0	0	0	8
14:15 - 14:30	1	0	0	0	3	0	0	0	4
TOTAL	53	2	1	0	47	1	2	0	106

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	19	2	0	0	15	0	0	0	36
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	23	1	1	0	13	0	1	0	39

CLASSIFIED PEDESTRIAN CROSSING SURVEY

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout

Movement 8.1: A92 (Ladyloan)



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	4	0	0	0	2	0	1	0	7
11:45 - 12:00	3	0	0	0	1	0	0	0	4
12:00 - 12:15	0	0	0	0	0	0	0	0	0
12:15 - 12:30	0	0	0	0	1	0	0	0	1
12:30 - 12:45	3	0	0	0	6	0	0	0	9
12:45 - 13:00	2	0	0	0	1	0	0	0	3
13:00 - 13:15	15	0	2	0	0	0	0	0	17
13:15 - 13:30	4	0	0	0	2	0	0	0	6
13:30 - 13:45	2	0	0	0	0	0	0	0	2
13:45 - 14:00	4	0	0	0	1	0	0	0	5
14:00 - 14:15	2	0	0	0	2	0	0	0	4
14:15 - 14:30	1	0	0	0	2	0	0	0	3
TOTAL	40	0	2	0	18	0	1	0	61

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	6	0	0	0	8	0	0	0	14
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	20	0	2	0	8	0	0	0	30

CLASSIFIED PEDESTRIAN CROSSING SURVEY

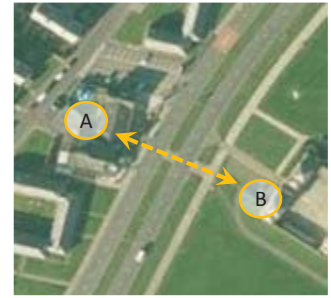
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Location: A92 (Burnside Drive)

Movement 11.1: A92 (Burnside Drive) at The Bellrock Restaurant



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	0	0	0	0	0	0	0	0	0
11:45 - 12:00	0	0	0	0	0	0	0	0	0
12:00 - 12:15	1	0	0	0	3	0	0	0	4
12:15 - 12:30	1	0	0	0	1	0	0	0	2
12:30 - 12:45	0	0	0	0	0	0	0	0	0
12:45 - 13:00	0	0	0	0	2	0	0	0	2
13:00 - 13:15	1	0	0	0	0	0	0	0	1
13:15 - 13:30	0	0	0	0	0	0	0	0	0
13:30 - 13:45	0	0	0	0	3	0	0	0	3
13:45 - 14:00	2	0	0	0	1	0	0	0	3
14:00 - 14:15	3	0	0	0	0	0	0	0	3
14:15 - 14:30	0	0	0	0	2	0	1	0	3
TOTAL	8	0	0	0	12	0	1	0	21

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	2	0	0	0	4	0	0	0	6
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	2	0	0	0	3	0	0	0	5

CLASSIFIED PEDESTRIAN CROSSING SURVEY

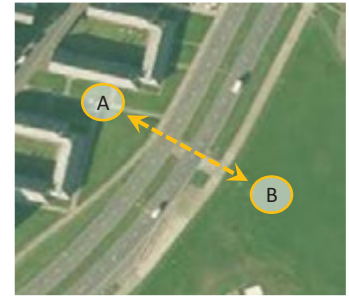
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Location: A92 (Burnside Drive)

Movement 11.2: A92 (Burnside Drive), approximately 75m south of The Bellrock Restaurant



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	0	0	0	0	0	0	0	0	0
11:45 - 12:00	0	0	0	0	0	0	0	0	0
12:00 - 12:15	0	0	0	0	0	0	0	0	0
12:15 - 12:30	0	0	0	0	0	0	0	0	0
12:30 - 12:45	0	0	0	0	0	0	0	0	0
12:45 - 13:00	1	0	0	0	0	0	0	0	1
13:00 - 13:15	0	0	0	0	1	0	0	0	1
13:15 - 13:30	0	0	0	0	0	0	0	0	0
13:30 - 13:45	0	0	0	0	0	0	0	0	0
13:45 - 14:00	5	0	0	0	0	0	0	0	5
14:00 - 14:15	11	0	0	0	0	0	0	0	11
14:15 - 14:30	0	0	0	0	0	0	0	0	0
TOTAL	17	0	0	0	1	0	0	0	18

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	EASTBOUND (A-B)				WESTBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	0	0	0	0	0	0	0	0	0
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	1	0	0	0	1	0	0	0	2

CLASSIFIED PEDESTRIAN CROSSING SURVEY

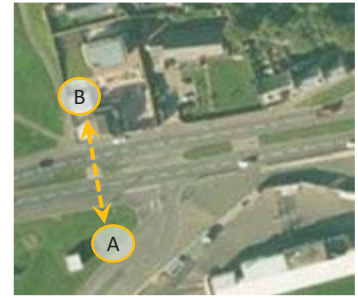
Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002

Date: Saturday 10th February 2017

Weather: AM & PM: Dry / Overcast

Junction: A92 (Ladyloan / Dundee Road) / Millgate Loan Priority Junction

Movement 11.3: A92 (Dundee Road), west of Queens Drive



TIME	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:30 - 11:45	0	0	0	0	2	0	2	0	4
11:45 - 12:00	0	0	0	0	5	0	1	0	6
12:00 - 12:15	0	0	0	0	0	0	0	0	0
12:15 - 12:30	2	0	0	0	2	0	0	0	4
12:30 - 12:45	2	0	0	0	2	0	2	0	6
12:45 - 13:00	3	0	2	0	0	0	0	0	5
13:00 - 13:15	1	0	0	0	0	0	0	0	1
13:15 - 13:30	0	0	0	0	0	0	0	0	0
13:30 - 13:45	0	0	0	0	0	0	0	0	0
13:45 - 14:00	3	0	0	0	2	0	0	0	5
14:00 - 14:15	3	0	0	0	3	0	2	0	8
14:15 - 14:30	1	0	0	0	3	0	1	0	5
TOTAL	15	0	2	0	19	0	8	0	44

NETWORK PEAK	PEDESTRIAN MOVEMENT / CLASSIFICATION								TOTAL
	NORTHBOUND (A-B)				SOUTHBOUND (B-A)				
PEDESTRIAN	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
11:45 - 12:45	4	0	0	0	9	0	3	0	16
TRAFFIC	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	ADULT	INFIRM	ACC.CHILD	UNAC.CHILD	PEDESTRIANS
12:15 - 13:15	8	0	2	0	4	0	2	0	16

ON-SITE MEASUREMENTS & OBSERVATIONS

JUNCTION GEOMETRY / OBSERVATIONS

Project: A92 (Burnside Drive), Arbroath

Client: AECOM

Project Ref: TS-18-002

Date: Friday 9th November 2018

Junction 1: A92 (Burnside Drive) / Guthrie Port Roundabout

Arm A: A92 (North)

Single Lane (Nearside)	Movement	Entry(m)	Approach(m)	
	Ahead & Left	5.3	2.85	
Single Lane (Offside)	Movement	Entry(m)	Approach(m)	
	Ahead & Right	5.3	2.85	

Comments/Observations:

Arm B: Guthrie Port (East)

Single Lane (Flared)	Movement	Entry(m)	Approach(m)	
	All	8.0	3.2	

Comments/Observations:

Arm C: A92 (Burnside Road) (South)

Single Lane (Nearside)	Movement	Entry(m)	Approach(m)	
	Left	4.2	3.4	
Single Lane (Offside)	Movement	Entry(m)	Approach(m)	
	Ahead & Right	4.2	3.4	

Comments/Observations:

Arm D: Guthrie Port (West)

Single Lane (Flared)	Movement	Entry(m)	Approach(m)	
	All	7.9	3.6	

Comments/Observations:

JUNCTION GEOMETRY / OBSERVATIONS

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002
 Date: Friday 9th November 2018
 Junction 2: A92 (Burnside Drive) / Hume Street Priority Junction

Arm A: A92 (Burnside Drive) (South)

Carriageway Width	Northbound(m)	Southbound(m)	Total(m)		
	6.7	6.7	13.4		
Central Reserve	Yes	No	Width(m)	Type	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.0	Physical	

Comments/Observations:
 - Pedestrian crossing located some 50m north of Hume Street.

Arm B: Hume Street

Lane Width (Nearside)	Give-Way(m)	5m Width(m)	10m Width(m)	15m Width(m)	20m Width(m)
	10.7	5.4	3.9	3.7	3.7
Lane Width (Offside)	Give-Way(m)	5m Width(m)	10m Width(m)	15m Width(m)	20m Width(m)
	5.5	5.0	3.9	3.3	3.3

Comments/Observations:
 - Hume Street operates as a left in / left out arrangement, no right turn access or egress.
 - Uphill approach to give-way line.

Arm C: A92 (Burnside Drive) (North)

Carriageway Width	Northbound(m)	Southbound(m)	Total(m)		
	6.8	6.7	13.5		
Central Reserve	Yes	No	Width(m)	Type	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6.0	Physical	
Right Turn Lane	Yes	No	Width(m)	Length(m)	Veh. Block
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A	N/A

Comments/Observations:

JUNCTION GEOMETRY / OBSERVATIONS

Project: A92 (Burnside Drive), Arbroath

Client: AECOM

Project Ref: TS-18-002

Date: Friday 9th November 2018

Junction 3: A92 (Burnside Drive) / Lordburn / Maule Street Roundabout

Arm A: A92 (Burnside Drive) (North)

Single Lane (Nearside)	Movement	Entry(m)	Approach(m)	
	Ahead & Left	3.9	3.4	
Single Lane (Offside)	Movement	Entry(m)	Approach(m)	
	Ahead	3.9	3.4	

Comments/Observations:

- Downhill approach to give way line.

- Bus Stop / Lay-by crossing located c.25 from give-way line.

Arm B: Maule Street

Single Lane (Flared)	Movement	Entry(m)	Approach(m)	
	All	3.9	2.8	

Comments/Observations:

- Small cul-de-sac / parking area.

Arm C: Lordburn

Single Lane (Flared)	Movement	Entry(m)	Approach(m)	
	All	4.4	3.6	

Comments/Observations:

- Queuing from give-way line extends south along Gravesend, opposed to Lordburn. Main source of traffic in area originates from Gravesend.

Arm D: A92 (Burnside Drive) (South)

Single Lane (Nearside)	Movement	Entry(m)	Approach(m)	
	Ahead	4.3	3.6	
Single Lane (Offside)	Movement	Entry(m)	Approach(m)	
	Ahead & Right	4.3	3.6	

Comments/Observations:

JUNCTION GEOMETRY / OBSERVATIONS

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002
 Date: Friday 9th November 2018
 Junction 4: A92 (Burnside Drive) / Catherine Street Traffic Signals

Arm A: A92 (Burnside Drive) (South)

Single Lane (Nearside)	Movement	Stopline Width(m)	Length
	Ahead & Left	3.3	Inf.
Single Lane (Offside)	Movement	Stopline Width(m)	Length
	Ahead	3.3	Inf.

Comments/Observations:

Arm B: Catherine Street

Single Lane (Nearside)	Movement	Stopline Width(m)	Length
	Left	2.9	Inf.
Single Lane (Offside)	Movement	Stopline Width(m)	Length
	Right	3.0	30.0

Comments/Observations:

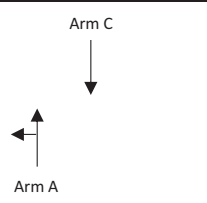
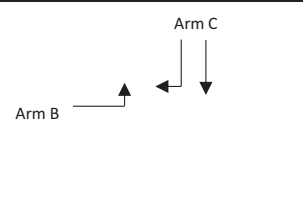
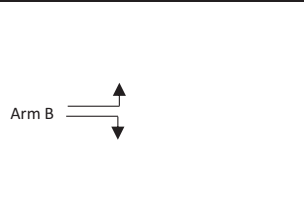
- Buses wait at stopline and often block access to either lane for general traffic.

Arm C: A92 (Burnside Drive) (North)

Single Lane (Nearside)	Movement	Stopline Width(m)	Length
	Ahead	3.3	Inf.
Single Lane (Middle)	Movement	Stopline Width(m)	Length
	Ahead	3.5	Inf.
Single Lane (Offside)	Movement	Stopline Width(m)	Length
	Right	2.9	40.0

Comments/Observations:

Observed Signal Staging

			Pedestrians (On-Demand)
Stage 1	Stage 2	Stage 3	Stage 4

Comments/Observations:

- Pedestrian stage called 17 times during AM, 27 times during PM, and 35 times during Saturday peak hours.

JUNCTION GEOMETRY / OBSERVATIONS

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002
 Date: Friday 9th November 2018
 Junction 5: Catherine Street / Arbroath Bus Station Priority Junction

Arm A: Catherine Street (East)

Carriageway Width	Eastbound(m)	Westbound(m)	Total(m)		
	4.5	4.5	8.9		
Central Reserve	Yes	No	Width(m)	Type	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A	

Comments/Observations:
 - Keep clear markings present outside Kwik Fit garage entrance / exit.

Arm B: Arbroath Bus Station Exit

Lane Width	Give-Way(m)	5m Width(m)	10m Width(m)	15m Width(m)	20m Width(m)
	14.9	8.5	5.6	N/A	N/A

Comments/Observations:

Arm C: Catherine Street (West)

Carriageway Width	Eastbound(m)	Westbound(m)	Total(m)		
	3.7	3.7	7.3		
Central Reserve	Yes	No	Width(m)		
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		
Right Turn Lane	Yes	No	Width(m)	Length(m)	Veh. Block
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A	0

Comments/Observations:

JUNCTION GEOMETRY / OBSERVATIONS

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002
 Date: Friday 9th November 2018
 Junction 6: A92 (Burnside Drive) / Millgate Traffic Signals

Arm A: A92 (Burnside Drive) (South)

Single Lane (Nearside)	Movement	Stopline Width(m)	Length
	Ahead	3.4	Inf.
Single Lane (Offside)	Movement	Stopline Width(m)	Length
	Ahead	3.3	Inf.

Comments/Observations:

Arm B: Millgate

Single Lane (Nearside)	Movement	Stopline Width(m)	Length
	Left	4.7	Inf.
Single Lane (Offside)	Movement	Stopline Width(m)	Length
	Right	2.7	28.0

Comments/Observations:

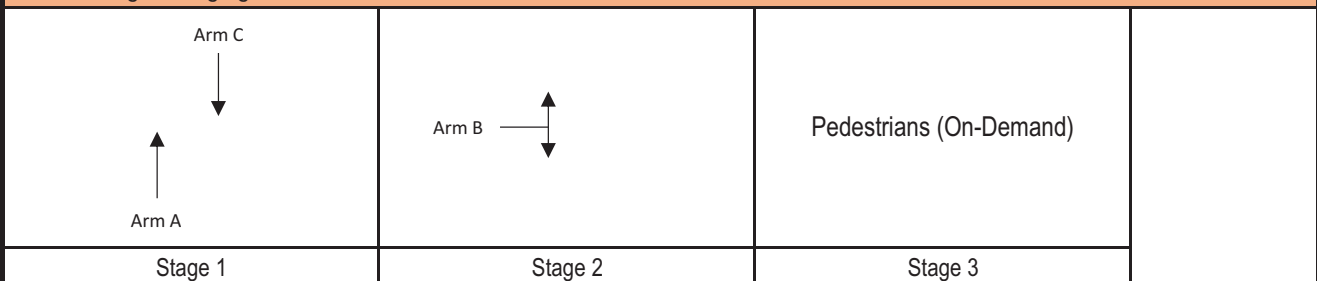
- One-way street, no access from A92.
- 1.8m wide on-street parking bays on south side of carriageway.

Arm C: A92 (Burnside Drive) (North)

Single Lane (Nearside)	Movement	Stopline Width(m)	Length
	Ahead	3.3	Inf.
Single Lane (Offside)	Movement	Stopline Width(m)	Length
	Ahead	3.4	Inf.

Comments/Observations:

Observed Signal Staging



Comments/Observations:

- Pedestrian crossings mainly operate as a 'walk with traffic' basis, except Arm C northbound carriageway crossing which operates on-demand.

JUNCTION GEOMETRY / OBSERVATIONS

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002
 Date: Friday 9th November 2018
 Junction 7: A92 (Burnside Drive) / Brothock Bridge Traffic Signals

Arm A: A92 (Burnside Drive) (North)

Single Lane (Nearside)	Movement	Stopline Width(m)	Length
	Ahead	3.4	Inf.
Single Lane (Offside)	Movement	Stopline Width(m)	Length
	Ahead	3.2	Inf.

Comments/Observations:

Arm B: Brothock Bridge

Single Lane (Nearside)	Movement	Stopline Width(m)	Length
	Left	4.8	Inf.
Single Lane (Offside)	Movement	Stopline Width(m)	Length
	Right	4.9	Inf.

Comments/Observations:

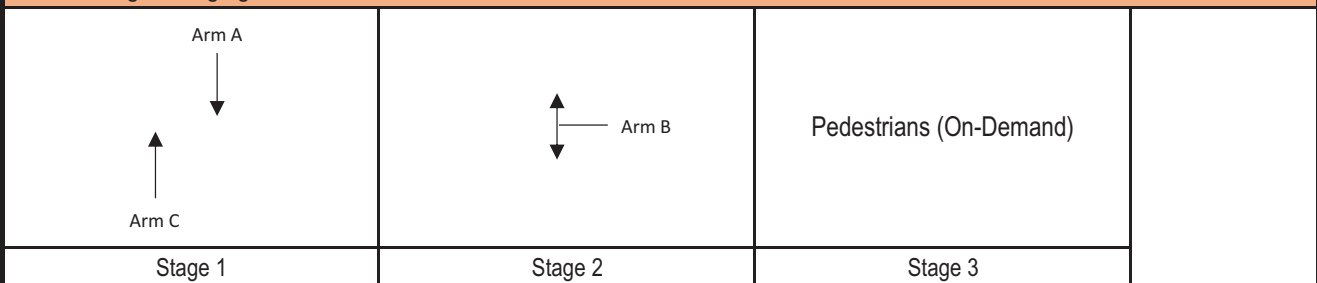
- One-way street, no access from A92.

Arm C: A92 (Burnside Drive) (South)

Single Lane (Nearside)	Movement	Stopline Width(m)	Length
	Ahead	3.3	Inf.
Single Lane (Offside)	Movement	Stopline Width(m)	Length
	Ahead	3.4	Inf.

Comments/Observations:

Observed Signal Staging



Comments/Observations:

- Pedestrian crossings mainly operate as a 'walk with traffic' basis, except Arm C southbound carriageway crossing which operates on-demand.

JUNCTION GEOMETRY / OBSERVATIONS

Project: A92 (Burnside Drive), Arbroath

Client: AECOM

Project Ref: TS-18-002

Date: Friday 9th November 2018

Junction 8: A92 (Burnside Drive / Ladyloan) / East Mary Street Roundabout

Arm A: A92 (Burnside Drive)

Single Lane (Nearside)	Movement	Entry(m)	Approach(m)	
	Ahead & Left	4.0	3.4	
Single Lane (Offside)	Movement	Entry(m)	Approach(m)	
	Ahead & Right	4.0	3.4	

Comments/Observations:

Arm B: Arbroath Harbour

Single Lane (Flared)	Movement	Entry(m)	Approach(m)	
	All	5.4	3.3	

Comments/Observations:

Arm C: A92 (Ladyloan)

Single Lane (Nearside)	Movement	Entry(m)	Approach(m)	
	Ahead & Left	3.4	3.3	
Single Lane (Offside)	Movement	Entry(m)	Approach(m)	
	Ahead & Right	3.4	3.3	

Comments/Observations:

- Pedestrian crossing located c.20m from give-way line.
- When pedestrian crossing is activated traffic observed to queue back into roundabout

Arm D: East Mary Street

Single Lane (Flared)	Movement	Entry(m)	Approach(m)	
	All	4.0	3.4	

Comments/Observations:

JUNCTION GEOMETRY / OBSERVATIONS

Project: A92 (Burnside Drive), Arbroath
 Client: AECOM
 Project Ref: TS-18-002
 Date: Friday 9th November 2018
 Junction 9: A92 (Dundee Road / lady loan) / Millgate Loan Priority Junction

Arm A: A92 (Dundee Road)

Carriageway Width	Eastbound(m)	Westbound(m)	Total(m)		
	6.7	6.7	13.4		
Central Reserve	Yes	No	Width(m)	Type	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4.5	Physical	

Comments/Observations:
 - 4.3m wide left turn slip lane to Millgate Loan.

Arm B: Millgate Loan

Lane Width (Left Turn Slip)	Width(m)				
	4.7				
Lane Width (Offside)	Give-Way(m)	5m Width(m)	10m Width(m)	15m Width(m)	20m Width(m)
	7.2	6.4	6.0	5.9	5.2

Comments/Observations:
 - Downhill approach to give-way line.
 - Left turn slip lane.
 - Vehicles turning right from Millgate Loan observed to wait in right turn lane / central reservation area.

Arm C: A92 (Ladyloan)

Carriageway Width	Eastbound(m)	Westbound(m)	Total(m)		
	6.6	6.7	13.3		
Central Reserve	Yes	No	Width(m)	Type	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.6	Physical	
Right Turn Lane	Yes	No	Width(m)	Length(m)	Veh. Block
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.0	62.0	10

Comments/Observations:

JUNCTION GEOMETRY / OBSERVATIONS

Project: A92 (Burnside Drive), Arbroath
Client: AECOM
Project Ref: TS-18-002
Date: Friday 9th November 2018
Junction 1: A92 (Dundee Road) / B964 Mini-Roundabout

Arm A: B964

Single Lane (Flared)	Movement	Entry(m)	Approach(m)	Kerb Distance(m)	Arm Distance(m)
	Left & Right		8.0	4.0	3.0

Comments/Observations:

- Flare length marked for c.28m.
- Downhill approach to give-way line.

Arm B: A92 (Dundee Road) (East)

Single Lane (Flared)	Movement	Entry(m)	Approach(m)	Kerb Distance(m)	Arm Distance(m)
	Left & Right		4.2	4.0	13.3

Comments/Observations:

- Railway bridge with height restriction of 4.3m present on approach.

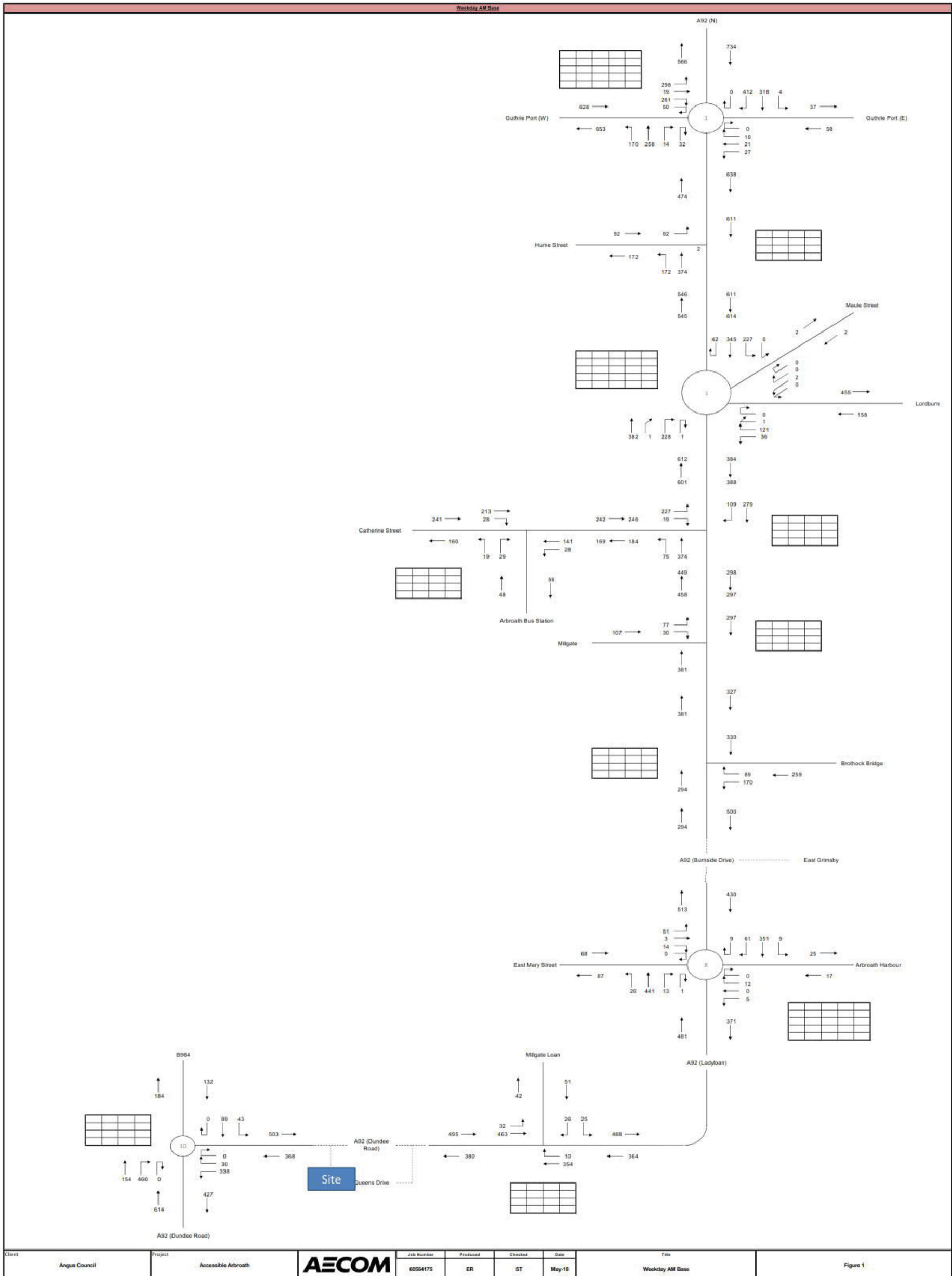
Arm C: A92 (Dundee Road) (West)

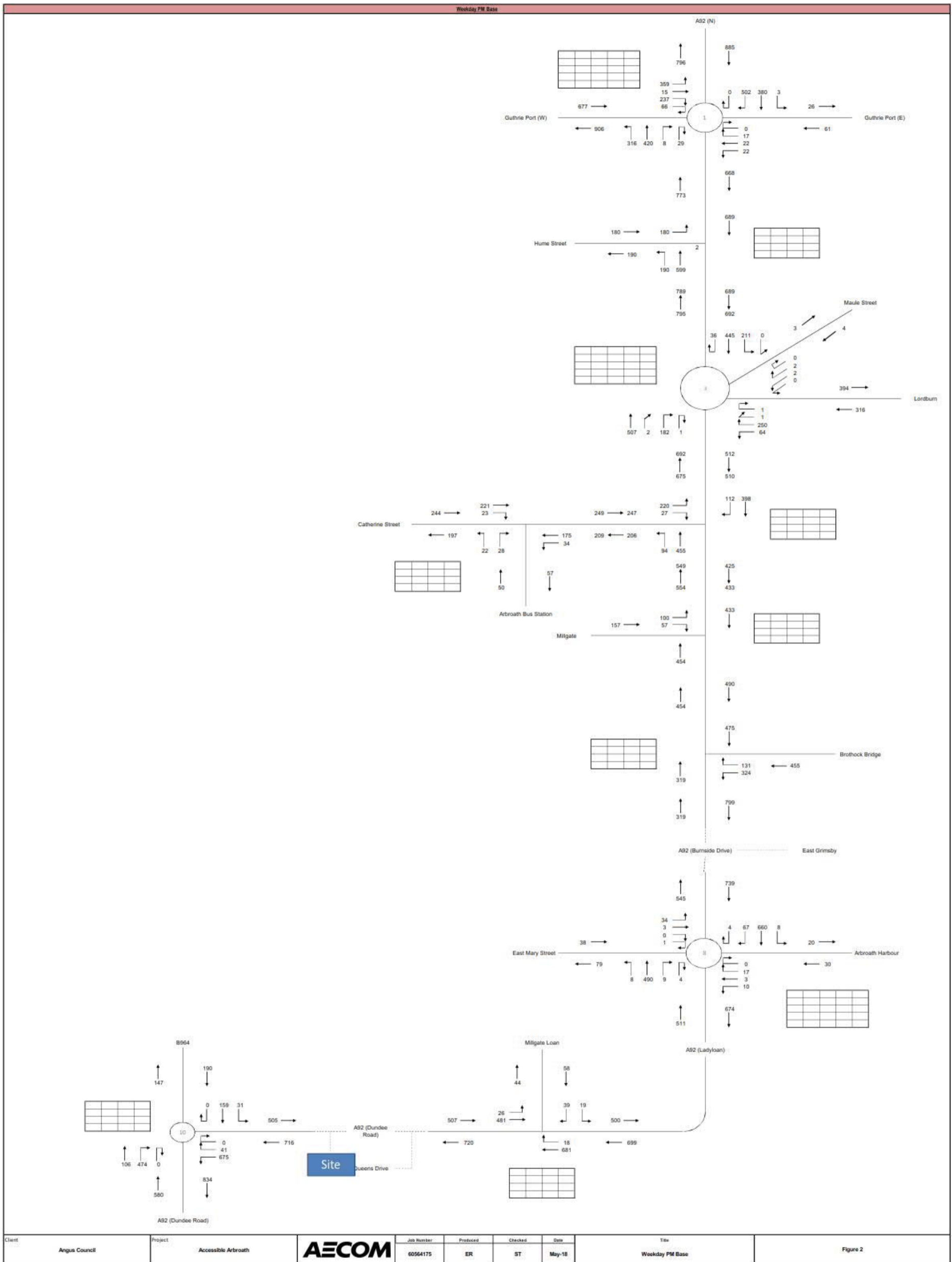
Single Lane (Flared)	Movement	Entry(m)	Approach(m)	Kerb Distance(m)	Arm Distance(m)
	Left & Right		6.7	4.5	12.3

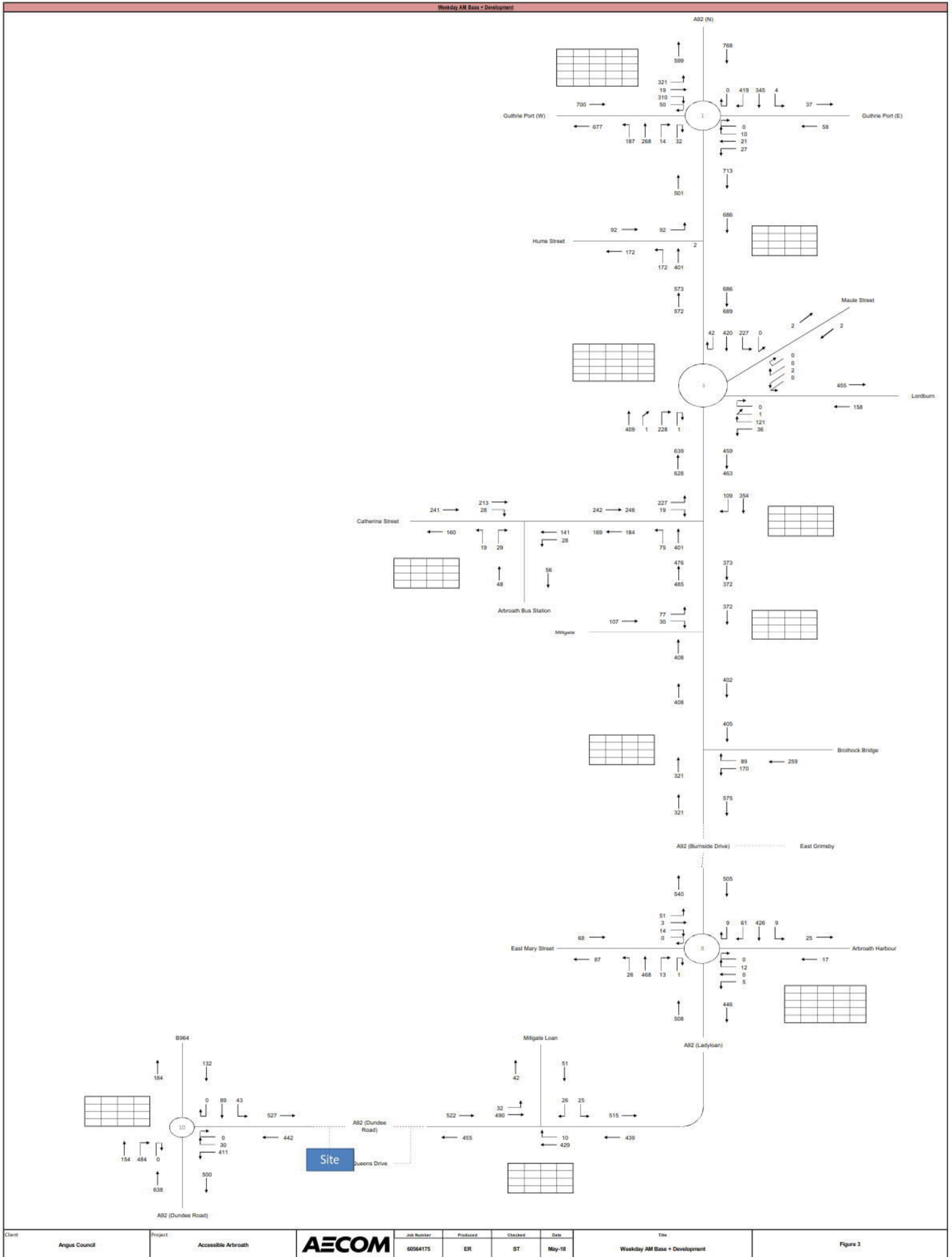
Comments/Observations:

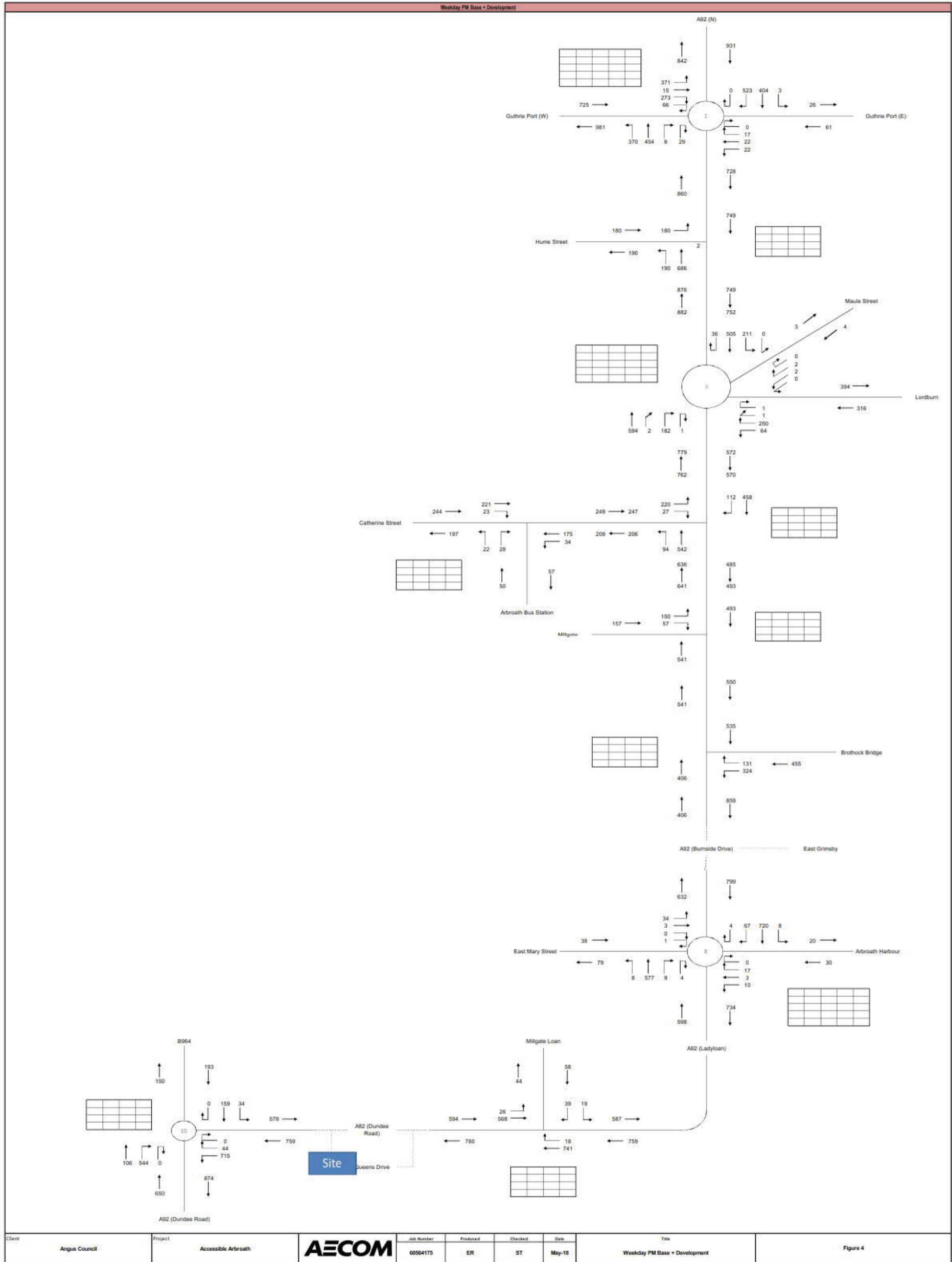
- Flare length marked for c.40m, but flaring appears to start some 105m from give-way line.

Appendix B – Network Flow Diagrams

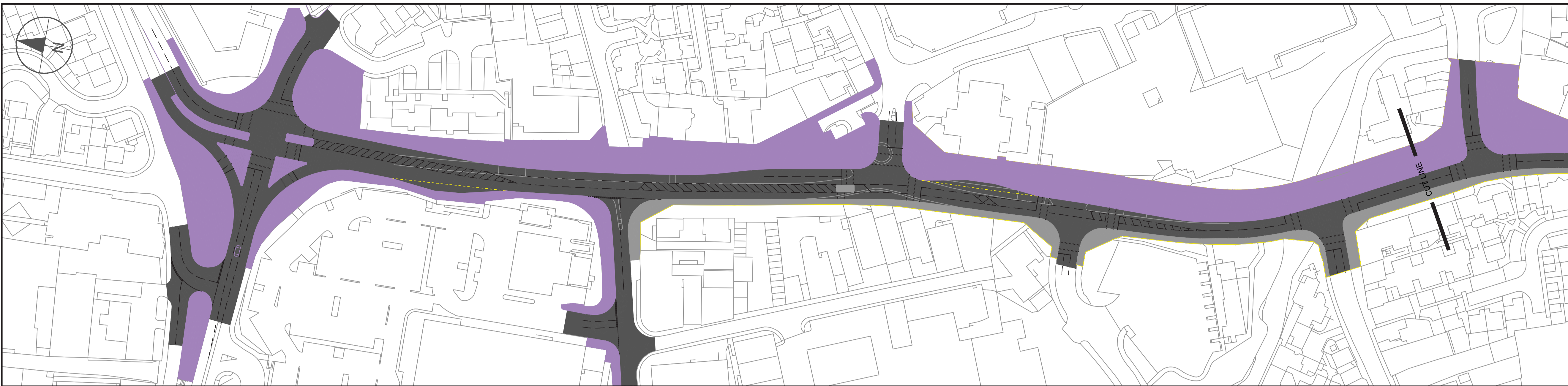








Appendix C – CAD Spatial Layouts



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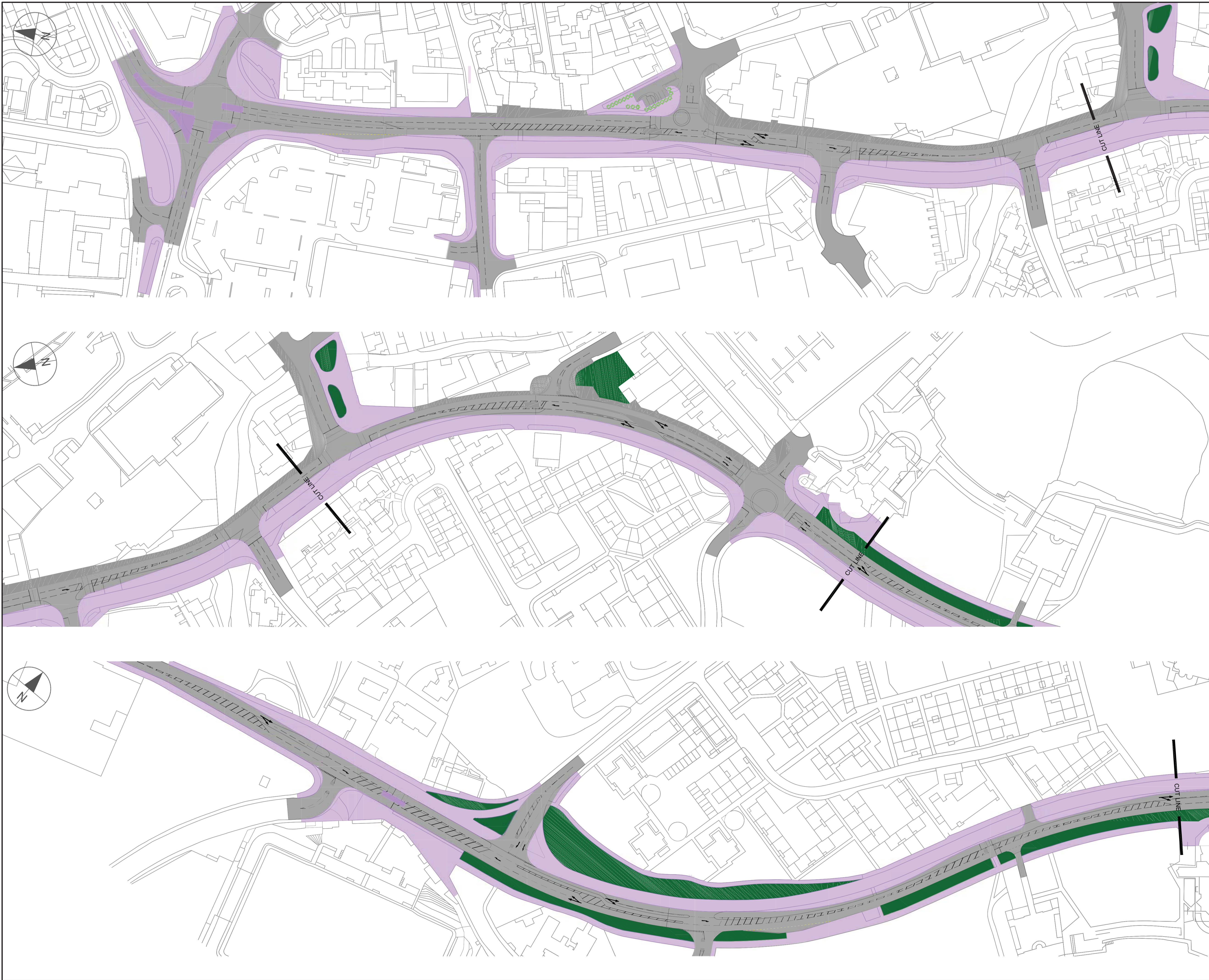
I/R	DATE	DESCRIPTION
DRAFT		

60564175

Option A - A92 Indicative Layout
Spatial Considerations utilising
Eastern/ Southern carriageway

60564175/SK/01

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IR	DATE	DESCRIPTION
DRAFT		

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Option B - A92 Indicative Layout
Spatial Considerations utilising
Western/ Northern carriageway

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Appendix D - Modelling Results

Baseline Junction Modelling Results

Guthrie Port / A92 / Burnside Drive (A92)

The junction modelling results for the Guthrie Port / A92 / Burnside Drive (A92) roundabout are included in Table 6.

Table 6: A92 / Guthrie Port Roundabout Baseline Existing Junction Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Guthrie Port (E)	0.1	6.50	0.09	0.1	7.60	0.11
A92 (S)	0.4	2.88	0.27	1.1	4.53	0.51
Guthrie Port (W)	0.8	3.90	0.43	1.0	4.66	0.48
A92 (N)	0.8	3.43	0.42	1.1	3.95	0.51

The junction is predicted to operate within capacity.

Burnside Drive (A92) / Hume Street

The junction modelling results for the Burnside Drive (A92) / Hume Street junction are contained within Table 7.

Table 7: Burnside Drive (A92) / Hume Street Existing Junction Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Hume Street – A92(N)	0.2	6.84	0.15	0.5	9.52	0.32
Hume Street – A92(S)	0.0	0.00	0.00	0.0	0.00	0.00
A92(N) – Hume Street	0.0	0.00	0.00	0.0	0.00	0.00

The junction is predicted to operate within capacity.

Burnside Drive (A92) / Lordburn

The junction modelling results for the Burnside Drive (A92) / Lordburn junction are contained within Table 8.

Table 8: Burnside Drive (A92) / Lordburn Existing Junction Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Lordburn	0.2	4.13	0.17	0.6	6.18	0.35
A92 (S)	0.4	1.92	0.27	0.6	2.48	0.35
A92 (N)	0.6	2.93	0.37	0.7	3.33	0.40

The junction is predicted to operate within capacity.

Catherine Street / Bus Station

The junction modelling results for the Catherine Street / Bus Station junction are contained within Table 9.

Table 9: Catherine Street / Bus Station Existing Junction Modelling Results

Stream	AM Peak Hour			PM Peak Hour		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Bus Station – Catherine Street (W)	0.0	5.90	0.03	0.0	6.52	0.04
Bus Station – Catherine Street (E)	0.1	8.47	0.07	0.1	9.57	0.07
Catherine Street (W) – Catherine Street (E)/Bus Station	0.1	5.33	0.06	0.1	5.84	0.05

The junction is predicted to operate within capacity.

Burnside Drive (A92) / Catherine Street

The junction modelling results for the Burnside Drive (A92) / Catherine Street junction are contained within Table 10.

Table 10: Burnside Drive (A92) / Catherine Street Existing Signalised Junction Modelling Results

Stream	Deg. Sat.	AM Peak Hour		Deg. Sat.	PM Peak Hour	
		MMQ (PCU)	Delay (s)		MMQ (PCU)	Delay (s)
Burnside Drive Northbound	36.0%	4.6	23.2	42.6%	5.9	21.9
Burnside Drive Southbound	34.9%	2.4	37.9	45.7%	2.7	45.2
Catherine Street	34.9%	4.0	24.2	43.3%	4.4	30.3
PRC		149.7%			97.1%	
Cycle Time		80s			80s	

The junction is predicted to operate within capacity.

Burnside Drive (A92) / Millgate and Burnside Drive (A92) / Brothock Bridge

The Burnside Drive (A92) / Millgate and Burnside Drive (A92) Brothock Bridge junctions operate from the same controller and have therefore been modelled as one junction. The modelling results are contained within Table 12.

Table 11: Burnside Drive (A92) / Millgate / Brothock Bridge Existing Linked Signalised Junction

Stream	Deg. Sat.	AM Peak Hour		Deg. Sat.	PM Peak Hour	
		MMQ (PCU)	Delay (s)		MMQ (PCU)	Delay (s)
Burnside Drive / Millgate Signalised Junction						
Burnside Drive Northbound	27.2%	2.4	14.0	35.6%	3.9	15.5
Burnside Drive Southbound	25.2%	1.9	11.9	32.9%	2.6	12.6

Stream	AM Peak Hour			PM Peak Hour		
	Deg. Sat.	MMQ (PCU)	Delay (s)	Deg. Sat.	MMQ (PCU)	Delay (s)
Burnside Drive / Millgate Signalised Junction						
Millgate	20.0%	1.0	18.5	26.5%	1.3	17.4
Burnside Drive / Brothock Bridge Signalised Junction						
Burnside Drive Northbound	22.8%	1.8	13.4	35.0%	2.7	17.7
Burnside Drive Southbound	29.8%	2.3	11.4	47.4%	3.6	15.6
Brothock Bridge	29.5%	3.1	25.9	48.1%	6.0	25.5
PRC	201.9%			87.0%		
Cycle Time	80s			80s		

The junction is predicted to operate within capacity.

Burnside Drive (A92) / East Mary Street / Arbroath Harbour

The junction modelling results for the Burnside Drive (A92) / East Mary Street / Arbroath Harbour junction are contained within Table 12.

Table 12: Burnside Drive (A92) / East Mary Street / Arbroath Harbour Existing Junction Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Arbroath Harbour	0.0	4.71	0.02	0.1	6.05	0.05
A92 (S)	0.4	2.51	0.26	0.5	2.69	0.31
East Mary Street	0.1	4.84	0.08	0.1	5.05	0.05
A92 (N)	0.4	2.74	0.28	0.9	3.49	0.44

The junction is predicted to operate within capacity.

Ladyloan (A92) / Millgate Loan

The junction modelling results for the Ladyloan (A92) / Millgate Loan junction are contained within Table 13.

Table 13: Ladyloan (A92) / Millgate Existing Junction Modelling Results

Stream	AM			PM		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Millgate Loan – A92 (E)	0.0	5.67	0.04	0.0	6.40	0.03
Millgate Loan – A92 (W)	0.1	6.58	0.05	0.1	8.46	0.08
A92 (E) – Millgate Loan	0.0	5.88	0.02	0.0	6.74	0.03

The junction is predicted to operate within capacity.

Dundee Road (A92) / B964

The junction modelling results for the Dundee Road (A92) / B964 junction are contained within Table 14.

Table 14: Dundee Road (A92) / B964 Existing Junction Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
A92 (E)	1.1	8.30	0.50	8.7	40.24	0.92
A92 (W)	1.1	5.53	0.50	1.0	5.20	0.51
B964	0.2	4.29	0.14	0.3	4.48	0.21

The junction is predicted to operate overcapacity within the weekday evening peak hour considering an RFC value of 0.92 with an associated queue of 8.7 PCUs is predicted.

Junction Redesign Option A and Option B Modelling Approach

The redesigned junctions have also been assessed using Junctions 9 and LinSig to confirm their suitability for both the Option A and Option B designs.

A summary of the software used for the redesigned junctions on the study network for both the Option A and Option B redesigns is provided in Table 15.

Table 15: Junction Modelling Redesign Software Approach

Junction	Option A		Option B	
	Junctions 9	LinSig	Junctions 9	LinSig
1. Guthrie Port / A92 / Burnside Drive (A92)		✓		✓
2. Burnside Drive (A92) / Hume Street	✓		✓	
3. Burnside Drive (A92) / Lordburn		✓		✓
4. Burnside Drive (A92) / Catherine Street		✓		✓
5. Catherine Street / Arbroath Bus Station	N/A*	N/A*	N/A*	N/A*
6. Burnside Drive (A92) / Millgate		✓		✓
7. Burnside Drive (A92) / Brothock Bridge		✓		✓
8. Burnside Drive (A92) / East Mary Street / Arbroath Harbour		✓		✓
9. Ladyloan (A92) / Millgate Loan;	✓		✓	
10. Dundee Road (A92) / B964.	N/A*	N/A*	N/A*	N/A*

*No redesigns at this junction are proposed

A consistent modelling approach was applied as was undertaken for the baseline models.

Junction Redesign Modelling Results – Option A

Guthrie Port / A92 / Burnside Drive (A92)

The junction modelling results for the redesigned Guthrie Port / A92 / Burnside Drive (A92) signalised junction are included in Table 16.

Table 16: A92 / Guthrie Port Redesigned Junction Option A Modelling Results

Stream	AM Peak Hour			PM Peak Hour		
	Deg. Sat.	MMQ (PCU)	Delay (s)	Deg. Sat.	MMQ (PCU)	Delay (s)
A92 (North)	57.3%	11.4	33.2	71.5%	15.8	38.2
Guthrie Port (West)	74.2%	11.5	58.7	75.3%	10.4	64.0
Guthrie Port (East)	44.0%	2.2	78.0	46.0%	2.4	78.8
Burnside Drive (A92)	58.3%	8.9	49.3	76.4%	9.6	40.0

The junction design (Option A) is predicted to operate within capacity. The maximum DoS value in the morning peak hour is identified as 74.2% with a corresponding queue of 11.5 PCUs occurring on the Guthrie Port (West) arm of the junction. In the evening peak hour, the maximum DoS value is 76.4% with an associated queue of 9.6 PCUs which occurs on the Burnside Drive (A92) arm.

Burnside Drive (A92) / Hume Street

The junction modelling results for the redesigned Burnside Drive (A92) / Hume Street junction (Option A) are contained within Table 17.

Table 17: Burnside Drive (A92) / Hume Street Redesigned Junction Option A Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Hume Street – A92(N)	0.1	7.83	0.12	0.6	12.26	0.34
Hume Street – A92(S)	0.1	15.19	0.12	0.2	24.55	0.17
A92(N) – Hume Street	0.5	4.71	0.16	0.6	4.73	0.17

The junction design (Option A) is predicted to operate within capacity with the maximum RFC value identified as 0.34 which is predicted to occur for traffic movements from Hume Street to A92 (North).

Burnside Drive (A92) / Lordburn

The junction modelling results for the redesigned Burnside Drive (A92) / Lordburn junction (Option A) are contained within Table 18.

Table 18: Burnside Drive (A92) / Lordburn Redesigned Junction Option A Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Deg. Sat.	MMQ (PCU)	Delay (s)	Deg. Sat.	MMQ (PCU)	Delay (s)
Burnside Drive Northbound	75.8%	8.6	27.0	81.1%	16.9	32.5
Lordburn	67.7%	3.9	69.2	21.9%	1.5	40.3
Burnside Drive Southbound	54.4%	6.7	15.0	69.3%	11.0	21.8
PRC		18.8%			7.2%	

Arm	AM Peak Hour	PM Peak Hour
Cycle Time	90s	90s

The junction design (Option A) is predicted to operate within capacity. The maximum DoS of 81.1% is identified on the Burnside Drive (Northbound) arm with a corresponding queue of 16.9 PCUs.

Burnside Drive (A92) / Catherine Street

The junction modelling results for the redesigned Burnside Drive (A92) / Catherine Street junction (Option A) are contained within Table 19.

Table 19: Burnside Drive (A92) / Catherine Street Redesigned Option A Modelling Results

Stream	AM Peak Hour			PM Peak Hour		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Catherine Street – Burnside Drive (Northbound)	0.8	11.42	0.44	1.0	15.01	0.48
Catherine Street – Burnside Drive (Southbound)	0.1	12.48	0.07	0.2	18.40	0.12
Burnside Drive (Northbound) – Catherine Street	0.2	7.51	0.20	0.3	9.81	0.23

The junction design (Option A) predicted to operate within capacity.

Burnside Drive (A92) / Millgate and Burnside Drive (A92) / Brothock Bridge

The modelling results for the redesigned Burnside Drive (A92) / Millgate and Burnside Drive (A92) / Brothock Bridge (Option A) are contained within Table 20.

Table 20: Burnside Drive / Millgate / Brothock Bridge Redesigned Option A Modelling Results

Stream	Deg. Sat.	AM Peak Hour		Deg. Sat.	PM Peak Hour	
		MMQ (PCU)	Delay (s)		MMQ (PCU)	Delay (s)
Burnside Drive / Millgate Signalised Junction						
Burnside Drive Northbound	44.4%	2.4	10.8	58.2%	7.5	20.4
Burnside Drive Southbound	40.5%	5.1	15.7	53.7%	7.4	17.7
Millgate	37.7%	1.7	39.6	49.6%	2.4	41.1
Burnside Drive / Brothock Bridge Signalised Junction						
Burnside Drive Northbound	39.8%	4.8	18.4	56.0%	6.9	23.4
Burnside Drive Southbound	49.9%	7.2	14.9	75.8%	11.6	24.3
Brothock Bridge	24.8%	1.7	32.0	75.8%	7.6	43.1
PRC		80.5%			18.7%	
Cycle Time		72s			72s	

The junction design (Option A) is predicted to operate within capacity.

Burnside Drive (A92) / East Mary Street / Arbroath Harbour

The junction modelling results for the redesigned Burnside Drive (A92) / East Mary Street / Arbroath Harbour junction (Option A) are contained within Table 21.

Table 21: Burnside Drive (A92) / Easy Mary Street / Arbroath Harbour Redesigned Option A Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Deg. Sat.	MMQ (PCU)	Delay (s)	Deg. Sat.	MMQ (PCU)	Delay (s)
Burnside Drive Northbound	60.8%	11.3	27.5	71.2%	14.6	31.1
Burnside Drive Southbound	52.7%	8.8	23.3	85.6%	21.5	36.6
E Mary Street	46.5%	2.2	66.8	25.4%	1.1	59.8
Boathouse	11.8%	0.5	57.0	20.8%	0.9	58.8
PRC	48.1%			5.2%		
Cycle Time	100s			100s		

The junction design (Option A) is predicted to operate within capacity. The maximum DoS of 86% and with a corresponding queue of 21.5 PCUs is predicted on the Burnside Drive (Southbound) arm in the evening peak hour.

Ladyloan (A92) / Millgate Loan

The junction modelling results for the redesigned Ladyloan (A92) / Millgate Loan junction (Option A) are contained within Table 22.

Table 22: Ladyloan (A92) / Millgate Loan Redesigned Junction Option A Modelling Results

Stream	AM			PM		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Millgate Loan – A92 (E)	0.0	6.21	0.04	0.0	6.41	0.03
Millgate Loan – A92 (W)	0.1	7.89	0.05	0.1	9.54	0.09
A92 (E) – Millgate Loan	0.0	5.74	0.02	0.0	5.98	0.03

The junction design (Option A) is predicted to operate within capacity.

Junction Redesign Modelling Results – Option B

Burnside Drive (A92) / Hume Street

The junction modelling results for the redesigned Burnside Drive (A92) / Hume Street junction (Option B) are contained within Table 23.

Table 23: Burnside Drive (A92) / Hume Street Redesigned Junction Option B Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC

Arm	AM Peak Hour			PM Peak Hour		
Hume Street – A92(N)	0.1	7.71	0.11	0.6	12.64	0.35
Hume Street – A92(S)	0.2	15.59	0.12	0.2	25.49	0.17
A92(N) – Hume Street	0.5	4.71	0.16	0.6	4.74	0.17

The junction design (Option B) is predicted to operate within capacity.

Burnside Drive (A92) / Lordburn

The junction modelling results for the redesigned Burnside Drive (A92) / Lordburn junction (Option B) are contained within Table 24.

Table 24: Burnside Drive (A92) / Lordburn Redesigned Junction Option B Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Deg. Sat.	MMQ (PCU)	Delay (s)	Deg. Sat.	MMQ (PCU)	Delay (s)
Burnside Drive Northbound	75.0%	9.3	26.6	81.7%	17.3	33.1
Lordburn	67.7%	3.9	69.2	83.9%	8.4	70.6
Burnside Drive Southbound	54.4%	6.7	15.0	69.3%	11.0	21.8
PRC		19.9%			7.2%	
Cycle Time		90s			90s	

The junction design (Option B) is predicted to operate within capacity.

Burnside Drive (A92) / Catherine Street

The junction modelling results for the redesigned Burnside Drive (A92) / Catherine Street junction (Option B) are contained within Table 25.

Table 25: Burnside Drive / Catherine Street Redesigned Option B Junction Modelling Results

Stream	AM Peak Hour			PM Peak Hour		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Catherine Street – Burnside Drive (Northbound)	0.8	11.42	0.44	1.0	15.01	0.48
Catherine Street – Burnside Drive (Southbound)	0.1	12.48	0.07	0.2	18.40	0.12
Burnside Drive (Northbound) – Catherine Street	0.2	7.51	0.20	0.3	9.81	0.23

The junction design (Option B) is predicted to operate within capacity.

Burnside Drive (A92) / Millgate and Burnside Drive (A92) / Brothock Bridge

The modelling results for the redesigned Burnside Drive (A92) / Millgate and Burnside Drive (A92) / Brothock Bridge (Option B) are contained within Table 26.

Table 26: Burnside Drive / Millgate / Brothock Bridge Redesigned Option B Modelling Results

Stream	AM Peak Hour			PM Peak Hour		
	Deg. Sat.	MMQ (PCU)	Delay (s)	Deg. Sat.	MMQ (PCU)	Delay (s)
Burnside Drive / Millgate Signalised Junction						
Burnside Drive Northbound	44.4%	2.4	10.8	58.2%	7.5	20.4
Burnside Drive Southbound	40.5%	5.1	15.7	53.7%	7.4	17.7
Millgate	37.7%	1.7	39.6	49.6%	2.4	41.1
Burnside Drive / Brothock Bridge Signalised Junction						
Burnside Drive Northbound	39.8%	4.8	18.4	56.0%	6.9	23.4
Burnside Drive Southbound	49.9%	7.2	14.9	75.8%	11.6	24.3
Brothock Bridge	24.8%	1.7	32.0	75.8%	7.6	43.1
PRC	80.5%			18.7%		
Cycle Time	72s			72s		

The junction design (Option B) is predicted to operate within capacity.

Burnside Drive (A92) / East Mary Street / Arbroath Harbour

The junction modelling results for the redesigned Burnside Drive (A92) / East Mary Street / Arbroath Harbour junction (Option B) are contained within Table 27.

Table 27: Burnside Drive (A92) / Easy Mary Street / Arbroath Harbour Redesigned Option B Modelling Results

Arm	AM Peak Hour			PM Peak Hour		
	Deg. Sat.	MMQ (PCU)	Delay (s)	Deg. Sat.	MMQ (PCU)	Delay (s)
Arbroath Harbour	11.8%	0.5	57.0	20.8%	0.9	58.8
A92 (Southbound)	52.6%	8.8	23.2	85.5%	21.2	36.5
East Mary Street	46.5%	2.2	66.8	25.4%	1.1	59.8
A92 (Northbound)	60.8%	11.3	27.4	71.2%	14.6	31.1
PRC	48.1%			5.2%		
Cycle Time	100s			100s		

The junction design (Option B) is predicted to operate within capacity.

Ladyloan (A92) / Millgate Loan

The junction modelling results for the redesigned Ladyloan (A92) / Millgate Loan junction (Option B) are contained within Table 28.

Table 28: Ladyloan (A92) / Millgate Loan Redesigned Junction Option B Modelling Results

Stream	AM			PM		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
Millgate Loan – A92 (E)	0.0	6.22	0.04	0.0	6.43	0.03
Millgate Loan – A92 (W)	0.1	9.09	0.06	0.1	11.07	0.11
A92 (E) – Millgate Loan	0.0	5.74	0.02	0.0	5.98	0.03

The junction design (Option B) is predicted to operate within capacity.

Appendix E – Consultation Boards

