

ANGUS COUNCIL

COMMUNITIES COMMITTEE – 15 JANUARY 2019

TRAILL DRIVE, MONTROSE – TRAFFIC CALMING

REPORT BY THE HEAD OF INFRASTRUCTURE

ABSTRACT

This report informs the Committee of concerns raised of speeding on Traill Drive in Montrose and seeks authority to undertake formal consultation on the proposal to install additional traffic calming measures.

1. RECOMMENDATIONS

It is recommended that the Committee:

- (i) notes the concerns raised regards speeding on Traill Drive;
- (ii) instructs the Head of Infrastructure to undertake consultation on the proposal to introduce traffic calming measures; and
- (iii) notes that a further report will be brought forward to this Committee following completion of the proposed consultation.

2. ALIGNMENT TO THE ANGUS LOCAL OUTCOMES IMPROVEMENT PLAN/CORPORATE PLAN

This proposal contributes to the following local outcomes contained within the Angus Local Outcomes Improvement Plan and Locality Plans:

PLACE

- Safe, secure, vibrant and sustainable communities.
- An enhanced, protected and enjoyed natural and built environment.

3. BACKGROUND

3.1 In April 2018, a Local Member for the Montrose area raised concerns regards the speed of traffic on Traill Drive in Montrose and additional concerns over anti-social driver behaviour in the same area. The member requested that consideration be given to providing additional physical traffic calming measures to supplement the measures already in place.

3.2 It was agreed that the Head of Infrastructure would arrange for the necessary investigations to be carried out and for the concerns to be raised for discussion at the Angus Area Traffic Co-ordination Group.

4. DETAILS

4.1 Traill Drive is subject to a mandatory 20mph speed limit that extends from the junction of Traill Drive with Dorward Road to a point approximately 80 metres west of its junction with Provost Reid's Road. Traill Drive is the means of access to the popular Seafront Splash play area, public access areas to the beach and the South Links Holiday Park.

4.2 The 20mph speed limit on Traill Drive is currently supplemented with 20mph speed limit reminder road markings and footway buildout chicane traffic calming features that create a series of "give and take" priority systems.

- 4.3 In order to assess traffic speeds on Traill Drive, a series of 'black box' radar speed surveys were carried out. A speed survey was carried out on Traill Drive between 25 April and 1 May 2018. The radar device was mounted opposite the South Links Holiday Park. The results from this survey returned a mean average speed of vehicles of 25.3mph and an 85th percentile speed of 31.8mph (the speed at or below which 85% of vehicles were travelling) (see **Appendix 1**).
- 4.4 A second speed survey was carried out between 13 June and 20 June 2018. The radar device was placed at the frontage of the Royal Montrose Golf Club. The results from this survey returned an average recorded speed of 24.7mph and an 85th percentile speed of 29.7mph (see **Appendix 2**). Both surveys confirmed that there are approximately 900 vehicle movements per day on Traill Drive.
- 4.5 A search of the road traffic accident database confirms that there has been one recorded slight injury accident on Traill Drive during the most recent three year recording period of 1 September 2015 to 31 August 2018.
- 4.6 The request for traffic calming measures on Traill Drive was raised for discussion at the May 2018 meeting of the Angus Area Traffic Co-ordination Group. The provision of physical traffic calming measures is based on evidence of road accidents and speeding. Although investigations have confirmed that neither is significant in Traill Drive, it was agreed by the Group that given the nature of the location and the type of traffic using the road to access the aforementioned facilities that consideration be given to providing additional physical traffic.
- 4.7 The preferred option is to install a series of 75mm high speed cushions on Traill Drive over the extent of the 20mph speed limit. Cushions would be placed in pairs at specific locations on Traill Drive and single cushions would be placed adjacent to existing chicane build-outs (see **Appendix 3**).

5. PROPOSALS

- 5.1 It is recommended that a formal consultation should be carried out on the proposal to install traffic calming measures, involving the consultees listed in (see **Appendix 4**) and as shown in the public consultation location plan (see **Appendix 5**). The outcomes of such consultation would be subject to a future report to this committee.

6. FINANCIAL IMPLICATIONS

- 6.1 At this stage there are no financial implications arising from this report other than the costs associated with the consultation which can be contained within the Roads Revenue Budget for 2018/19. Any financial implications associated with any proposed measures will be detailed in a future report to this committee following the consultation exercise.

7. CONSULTATION

- 7.1 The Chief Executive, Strategic Director - Place, the Head of Finance and Legal and the Local Police Commander of Tayside Division were consulted in the preparation of this report.

NOTE: No background papers, as defined by Section 50D of the Local Government (Scotland) Act 1973 (other than any containing confidential or exempt information) were relied on to any material extent in preparing the above report.

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List of Appendices:

Appendix 1 – Traffic Survey Speed Data
Appendix 2 – Traffic Survey Speed Data
Appendix 3 – Traffic Calming General Layout
Appendix 4 – Proposed List of Consultees
Appendix 5 - Consultation Location Plan

Site No: 25041801

Site Reference: 25041801

(BB) Montrose: Traill Drive opp. the Caravan Park
From 26/04/2018 To 01/05/2018

Speed Statistics Summary (All Days)

All Channels

Time Begin	Total Vol.	Mean Ave.	Std. Dev.	5th %ile	15th %ile	25th %ile	50th %ile	75th %ile	85th %ile	95th %ile	<-- % By 0%	Above By 5%	20 Mph By 10%	--> By 15%
0:00	6	26.9	5.4	-	-	-	-	-	-	-	86.5	79.7	72.9	66.1
1:00	5	24.0	6.4	-	-	-	-	-	-	-	67.7	61.6	55.5	49.5
2:00	2	27.5	4.1	-	-	-	-	-	-	-	86.7	79.7	72.7	65.7
3:00	0	27.3	-	-	-	-	-	-	-	-	87.5	84.9	82.3	79.6
4:00	3	24.4	-	-	-	-	-	-	-	-	68.8	62.2	55.6	49.1
5:00	4	23.9	7.2	-	-	-	-	-	-	-	70.4	64.9	59.5	54.0
6:00	6	26.1	9.4	-	-	-	-	-	-	-	66.7	65.1	63.4	61.8
7:00	18	25.0	6.7	11.8	15.7	18.7	25.0	29.8	32.0	34.7	70.1	65.6	61.1	56.6
8:00	42	26.6	6.9	13.1	18.1	21.7	27.0	31.3	33.7	36.5	79.4	74.8	70.2	65.5
9:00	49	24.3	6.5	12.5	16.6	19.1	24.4	28.9	30.6	34.4	68.5	63.1	57.8	52.5
10:00	62	25.3	6.5	13.4	17.9	21.1	25.1	29.5	31.7	35.2	76.1	69.7	63.3	56.9
11:00	77	25.1	6.8	12.6	17.1	20.4	25.1	29.8	32.2	35.4	73.8	67.9	62.0	56.1
12:00	92	24.9	6.3	13.0	17.4	20.9	25.0	29.5	31.5	34.7	75.1	68.6	62.2	55.8
13:00	89	25.3	6.4	13.6	18.1	21.3	25.3	29.5	31.5	34.9	77.6	71.1	64.5	57.9
14:00	101	24.5	6.5	13.3	17.5	20.2	24.5	28.7	30.5	34.6	72.5	65.8	59.2	52.5
15:00	105	25.1	6.5	13.6	17.8	21.0	25.2	29.3	30.9	35.2	75.3	69.1	63.0	56.8
16:00	90	24.5	7.3	12.3	15.3	18.7	25.1	29.7	31.9	35.3	68.7	64.0	59.4	54.8
17:00	76	26.0	6.8	12.9	17.4	21.3	26.9	30.4	32.7	35.6	76.7	72.5	68.4	64.3
18:00	74	26.0	7.1	13.3	17.8	21.1	26.4	30.5	32.9	35.7	76.3	71.4	66.4	61.5
19:00	76	26.3	6.7	14.4	19.5	22.3	26.8	29.9	31.5	35.3	82.2	76.8	71.5	66.1
20:00	57	27.3	7.0	13.6	18.6	22.1	27.6	31.4	34.3	38.9	79.9	76.0	72.1	68.3
21:00	40	27.2	7.4	12.6	18.1	22.6	27.6	31.0	33.7	37.3	82.2	78.2	74.3	70.3
22:00	29	26.6	7.9	12.3	17.0	21.0	25.7	31.1	34.1	39.4	76.6	71.1	65.6	60.1
23:00	13	27.5	8.5	10.8	17.4	21.1	26.0	32.1	34.9	39.9	79.1	73.8	68.4	63.1
12H,7-19	876	25.1	6.5	13.5	17.6	20.8	25.5	29.7	31.8	35.2	74.3	68.9	63.5	58.1
16H,6-22	1055	25.3	6.5	13.5	17.7	21.1	25.9	29.9	32.1	35.4	75.3	70.2	65.0	59.8
18H,6-24	1097	25.4	6.5	13.6	17.8	21.1	25.9	29.9	32.1	35.4	75.5	70.3	65.1	59.9
24H,0-24	1117	25.4	6.5	13.6	17.8	21.1	25.9	29.9	32.1	35.4	75.6	70.4	65.1	59.9
Am Peak	11:00 77	2:30 28.5	- -	- -	- -	- -	- -	- -	- -	- -	1:45 92.9	2:30 86.4	3:15 83.3	3:15 83.3
Pm Peak	14:30 106	22:45 27.8	23:00 8.5	19:15 15.0	19:15 20.5	19:45 23.0	19:45 27.8	22:15 32.8	22:15 35.2	22:45 41.0	19:15 84.7	19:30 79.8	19:45 75.4	19:45 71.4

Site No: 13061803

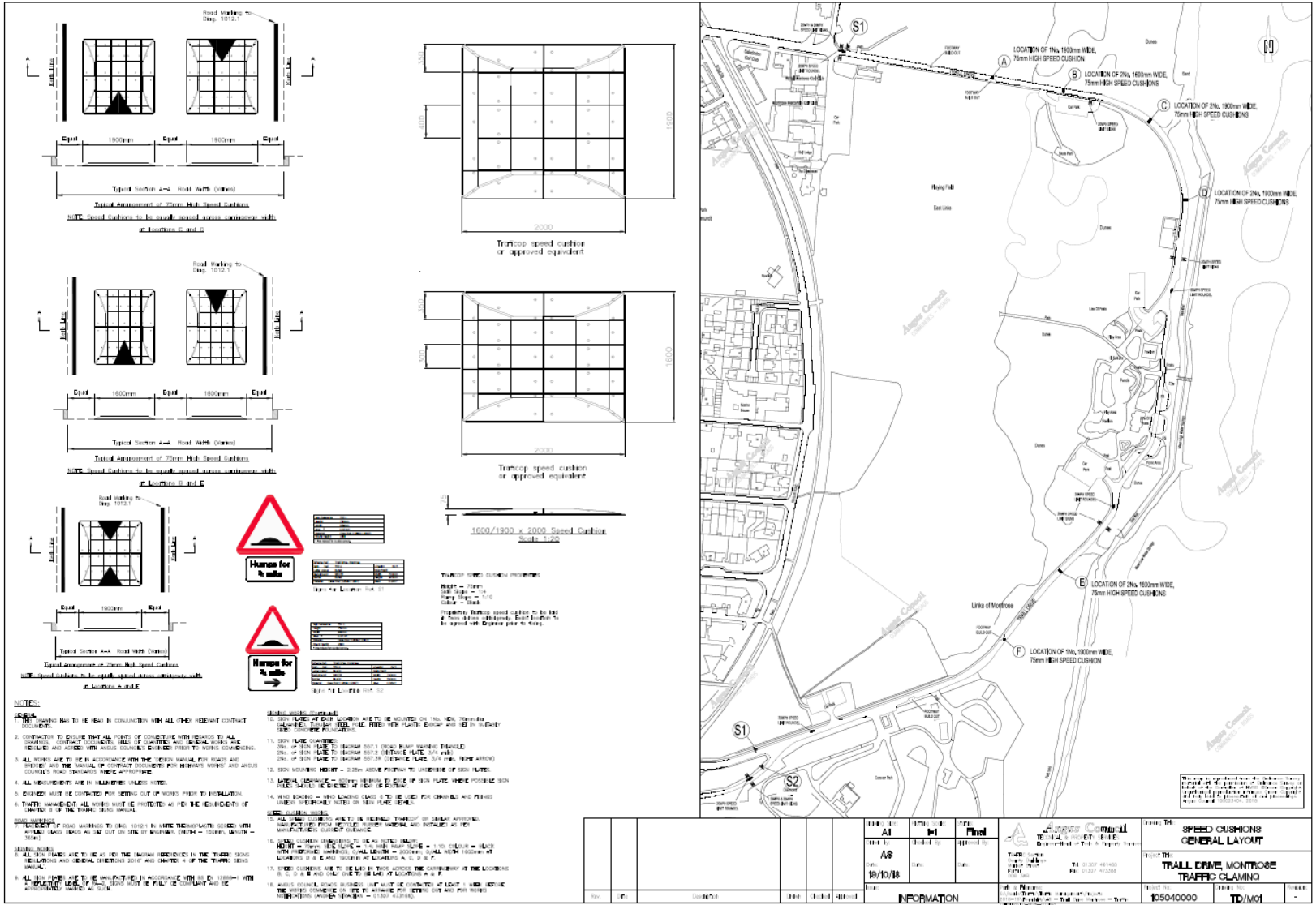
Site Reference: 13061803

(BB) Montrose: Traill Drive (N) E of the Buildout
From 13/06/2018 To 20/06/2018

Speed Statistics Summary (All Days)

All Channels

Time Begin	Total Vol.	Mean Ave.	Std. Dev.	5th %ile	15th %ile	25th %ile	50th %ile	75th %ile	85th %ile	95th %ile	<-- % By 0%	Above By 5%	20 Mph By 10%	--> By 15%
0:00	7	27.8	4.4	-	-	-	-	-	-	-	88.5	81.2	73.9	66.7
1:00	3	28.5	5.0	-	-	-	-	-	-	-	91.3	86.7	82.2	77.6
2:00	2	26.7	3.7	-	-	-	-	-	-	-	92.9	85.4	77.9	70.4
3:00	1	22.8	7.1	-	-	-	-	-	-	-	40.0	38.6	37.2	35.8
4:00	0	34.2	-	-	-	-	-	-	-	-	100.0	97.0	94.0	91.0
5:00	5	26.6	5.0	-	-	-	-	-	-	-	88.9	80.1	71.4	62.6
6:00	9	27.8	5.0	-	-	-	-	-	-	-	84.5	81.9	79.4	76.9
7:00	20	24.7	4.3	16.6	20.1	21.8	24.4	27.4	28.9	30.4	85.0	74.9	64.8	54.6
8:00	41	24.9	5.3	16.5	19.2	21.4	24.3	28.0	30.0	33.7	79.9	70.7	61.6	52.5
9:00	43	24.0	4.9	16.6	18.7	20.7	23.5	26.4	28.7	30.4	74.9	65.1	55.3	45.4
10:00	54	23.1	4.7	16.2	17.9	19.7	23.0	25.8	28.0	30.4	68.2	58.9	49.7	40.4
11:00	65	24.0	4.8	16.4	18.8	21.1	23.7	26.7	28.8	30.8	76.6	66.7	56.7	46.7
12:00	66	24.4	4.5	16.7	19.5	21.5	24.1	27.2	29.2	31.4	80.2	70.1	60.0	49.9
13:00	75	24.0	4.5	16.6	19.2	21.3	23.7	26.4	28.6	30.8	78.9	68.0	57.2	46.3
14:00	83	23.9	4.8	16.5	18.8	21.0	23.6	26.4	28.7	31.1	75.7	65.5	55.3	45.1
15:00	82	24.0	4.7	16.6	18.9	21.1	23.7	26.8	28.9	31.0	76.1	66.3	56.6	46.8
16:00	71	24.3	4.8	16.3	18.7	21.0	23.9	27.5	29.4	32.5	75.9	66.9	57.9	48.9
17:00	59	25.4	5.0	17.0	20.9	22.1	24.9	28.6	30.2	33.8	85.4	76.2	67.0	57.8
18:00	64	25.4	5.2	16.8	19.9	21.8	25.0	28.7	30.3	34.4	82.4	74.0	65.6	57.2
19:00	61	25.6	4.9	17.3	20.9	22.1	25.0	28.6	30.1	34.2	85.0	76.1	67.2	58.3
20:00	50	26.5	6.2	17.0	20.6	22.2	25.6	29.7	31.9	37.9	85.0	77.3	69.5	61.8
21:00	39	26.8	5.4	17.1	20.9	22.3	25.9	29.8	32.1	37.4	85.3	78.1	70.9	63.7
22:00	27	26.7	6.0	17.0	20.0	22.0	25.6	30.1	32.7	36.1	83.8	76.5	69.3	62.0
23:00	16	26.4	7.8	15.1	18.4	21.3	24.7	30.4	33.3	36.8	80.2	72.4	64.7	56.9
12H,7-19	723	24.2	4.5	17.0	19.4	21.4	24.0	27.2	29.2	31.7	78.6	69.1	59.6	50.1
16H,6-22	882	24.6	4.7	17.1	19.7	21.5	24.2	27.7	29.5	32.8	79.9	70.7	61.5	52.3
18H,6-24	925	24.7	4.8	17.1	19.7	21.5	24.3	27.8	29.7	33.2	79.9	70.9	61.8	52.7
24H,0-24	943	24.7	4.8	17.1	19.7	21.6	24.3	27.8	29.7	33.3	80.1	71.0	61.9	52.8
Am Peak	11:00 66	4:00 34.2	- -	- -	- -	- -	- -	- -	- -	- -	4:15 100.0	4:00 97.0	4:00 94.0	4:00 91.0
Pm Peak	15:30 88	21:30 27.3	23:00 7.8	17:15 17.3	19:45 21.1	21:30 22.5	21:30 26.3	22:30 30.9	22:45 33.8	22:45 38.0	21:30 86.6	21:30 79.7	21:30 72.7	21:30 65.8



NOTES:

1. THE CONTRACTOR HAS TO BE IN CONSULTATION WITH ALL THE RELEVANT CONTRACT DOCUMENTS.
2. CONTRACTOR TO ENSURE THAT ALL POINTS OF CONFLICT ARE RELATED TO ALL CONTRACTS, CONTRACT DOCUMENTS, RULES OF CONTRACT AND SPECIAL WORKS ARE IDENTIFIED AND AVOIDED WITH AVOIDANCE COULDN'T BE AVOIDED PRIOR TO WORKS COMMENCING.
3. ALL WORKS ARE TO BE IN ACCORDANCE WITH THE DESIGN MANUAL FOR ROADS AND BRIDGES AND THE MANUAL OF CONTRACT DOCUMENTS FOR ROADS, BRIDGES AND AIRPORTS ROAD TRANSPORTS AGENCY APPROPRIATE.
4. ALL WORKS ARE TO BE IN ACCORDANCE WITH THE DESIGN MANUAL FOR ROADS AND BRIDGES AND THE MANUAL OF CONTRACT DOCUMENTS FOR ROADS, BRIDGES AND AIRPORTS ROAD TRANSPORTS AGENCY APPROPRIATE.
5. CONTRACTOR MUST BE CONSULTED FOR WORKS OUT OF WORKS PERIOD FOR INSTALLATION.
6. TRAFFIC MANAGEMENT, ALL WORKS MUST BE PLANNED AND BE THE RESPONSIBILITY OF CONTRACTOR TO BE ADVISED TO THE RELEVANT CONTRACT DOCUMENTS.
7. CONTRACTOR TO BE ADVISED TO THE RELEVANT CONTRACT DOCUMENTS FOR ALL WORKS TO BE DONE IN THE RELEVANT CONTRACT DOCUMENTS WITH AVOIDANCE COULDN'T BE AVOIDED PRIOR TO WORKS COMMENCING.
8. ALL WORKS ARE TO BE IN ACCORDANCE WITH THE DESIGN MANUAL FOR ROADS AND BRIDGES AND THE MANUAL OF CONTRACT DOCUMENTS FOR ROADS, BRIDGES AND AIRPORTS ROAD TRANSPORTS AGENCY APPROPRIATE.
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TABLE:

Item	Material	Quantity	Unit	Notes
1	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
2	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
3	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
4	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
5	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
6	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
7	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
8	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
9	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
10	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
11	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
12	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
13	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
14	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
15	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
16	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
17	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
18	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
19	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200
20	1800/1800 x 2000 Speed Cushion	1	Each	Scale 1:200

		SPEED CUSHIONS GENERAL LAYOUT	
TRAILL DRIVE MONTROSE TRAFFIC CLAMING		TRAILL DRIVE MONTROSE TRAFFIC CLAMING	
INFORMATION		INFORMATION	

PUBLIC CONSULTATION – TRAILL DRIVE, MONTROSE – TRAFFIC CALMING

LIST OF CONSULTEES

Montrose & District Local Ward Members:

Bill Duff
Mark Salmond
Tommy Stewart
Ron Sturrock

Royal Burgh of Montrose Community Council:

The Chief Executive

Strategic Director – Place

Head of Finance and Legal

Traffic & Transport Manager

Service Leader – Planning & Communities

Local Divisional Police Commander for Tayside:

Scottish Fire & Rescue Service Area Manager:

Scottish Ambulance Service Regional Officer:

Angus Access Panel

North East Sensory Services

The Guide Dogs for the Blind Association



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Angus Council 100023404, 2017

Drawing Size: A4	Plotting Scale: 1:1	Status: Final	 Angus Council TECHNICAL & PROPERTY SERVICES Engineer-Head of Tech & Property Services TRAFFIC Section County Buildings Market Street Perth DD8 3WR Tel: 01307 461400 Fax: 01307 473388	Drawing Title: APPENDIX E CONSULTATION AREA PLAN	
Drawn by: AS	Checked By:	Approved By:		Project Title: TRAIL DRIVE, MONTROSE TRAFFIC CALMING	
Date: 04/12/18	Date:	Date:		Project No: 105040000	
Issue: INFORMATION			Path & Filename: S:\Traffic\Traffic Management\Projects 2018-19\Feasibility\AS - Trail Drive Montrose - Traffic Calming\TD-M02-01.dwg	Drawing No: TD/M02	Revision: -