

SURVEY NOTES:

1. THIS SURVEY HAS BEEN CONDUCTED TO OBTAIN TOPOGRAPHICAL DETAIL AND LEVELS FOR THE PURPOSE OF ROAD DESIGN THE INFORMATION SHOWN HEREIN IS ONLY RELIABLE FOR THIS PURPOSE AND SHOULD NOT BE USED FOR OTHER PURPOSE OR AT A LATER DATE WITHOUT VERIFICATION.

2. SURVEY IS ON MGA GRID DISTANCES AND AHD LEVELS . MEAN C.S.F □ 0.999636 SURVEY HAS BEEN LINKED TO COORDINATES PROVIDED BY" AIRMAP 3D" FOR THE PURPOSE OF COORDINATING LIDAR/PHOTOGRAMMETRY WITH THE SURVEY. GIVEN COORDINATES:

PM 48670 (SCIMS):

- E 365845.540 N 6711398.510
- RL 1145.200
- STN 1 TEMPORARY CONTROL POINT
- E 365308.035
- N 6711511.536
- RL 1136.312

3. FENCELINES SHOWN ARE INDICATIVE OF POSITION ONLY AND DO NOT REFLECT CADASTRAL BOUNDARIES. RECOMMEND FORMAL VERIFICATION OF BOUNDARIES WHERE ANY ROAD REALIGNMENT IS TO TAKE PLACE.

4.SERVICE LOCATIONS SHOWN ARE FROM SURFACE INVESTIGATIONS ONLY. WHERE SERVICE INFORMATION IS CRITICAL TO THE DESIGN PROPOSED, THE INFORMATION SHOULD BE VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL PARTIES SHOULD CARRY OUT THEIR OWN DIAL BEFORE YOU DIG SEARCH PRIOR TO COMMENCING ANY WORK ON SITE.

5. ALL SYMBOLS SHOWN ARE DIAGRAMMATIC ONLY AND NOT TO SCALE. TREE DIMENSIONS STIPULATED ARE DIAMETERS.

To □uarry

6. THIS NOTE IS AN INTEGRAL PART OF THIS PLAN.

CLIENT

Survey	Survey Control										
STN	RL	EASTING	NORTHING								
PM48670	1145.200	365845.540	6711398.510								
STN 1	1136.312	365308.035	6711511.536								
101	1143.346	365306.339	6711015.003								
102	1139.429	365468.966	6711130.756								
103	1148.060	365111.367	6710964.720								
105	1146.534	365194.144	6711153.185								

Quarry Exit CL - Setout										
CHAINAGE	RL	EASTING	NORTHING							
0.000	1142.501	365286.704	6711018.681							
10.000	1142.781	365290.434	6711009.403							
20.000	1143.908	365294.164	6711000.124							
30.000	1145.108	365297.893	6710990.846							

HWY CL (Existing)									
HAINAGE	RL	EASTING	NORTHING						
60.000	1145.046	365162.615	6710969.041						
70.000	1144.618	365171.901	6710972.751						
80.000	1144.242	365181.187	6710976.462						
90.000	1143.920	365190.473	6710980.172						
000.000	1143.675	365199.759	6710983.883						
010.000	1143.457	365209.045	6710987.594						
020.000	1143.284	365218.331	6710991.304						
030.000	1143.154	365227.618	6710995.015						
040.000	1143.034	365236.904	6710998.726						
050.000	1142.928	365246.190	6711002.436						
060.000	1142.824	365255.476	6711006.147						
070.000	1142.721	365264.762	6711009.858						
080.080	1142.633	365274.048	6711013.568						
090.000	1142.538	365283.334	6711017.279						
100.000	1142.438	365292.617	6711020.997						
110.000	1142.304	365301.868	6711024.795						
120.000	1142.174	365311.078	6711028.690						

365320.246

365329.373

1142.045

1141.939

1130.000

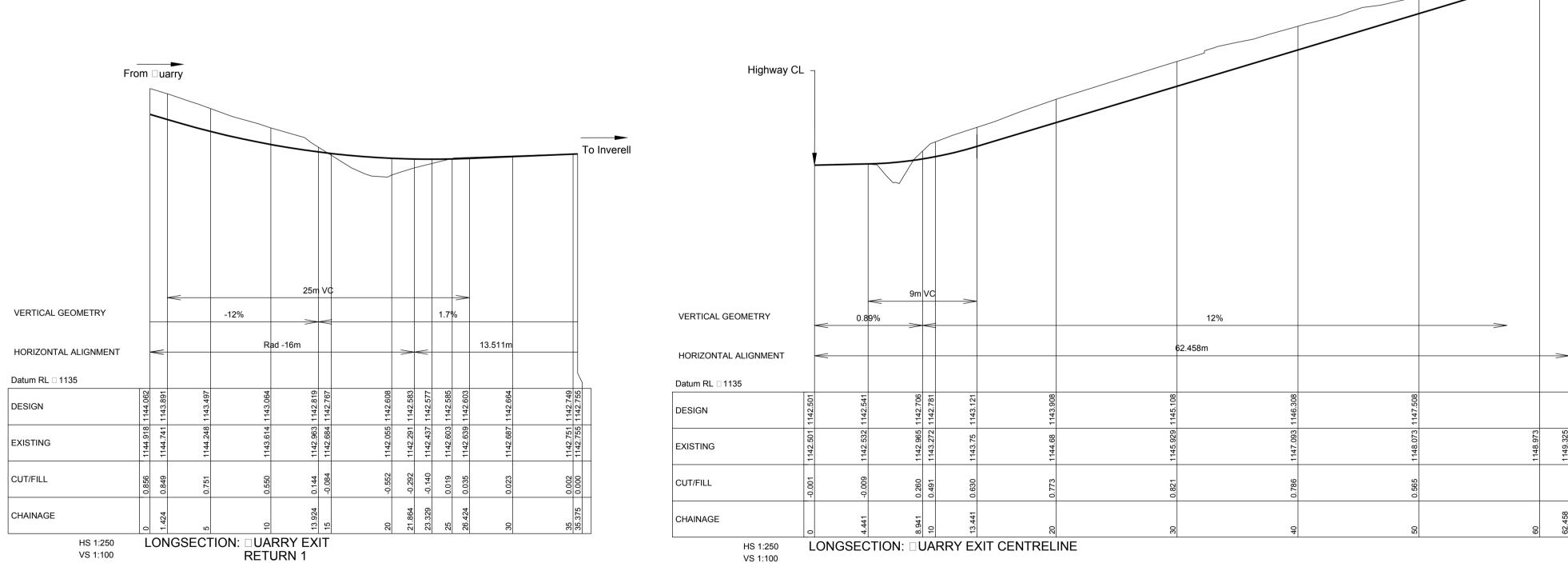
1140.000

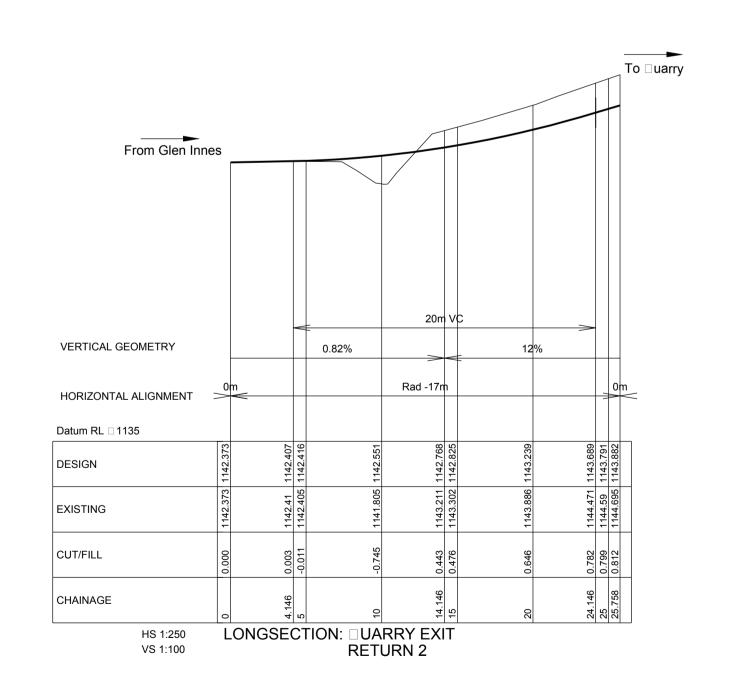
6711032.682

6711036.770

□uarry Exit Return 1 - Setout									
CHAINAGE	RL	EASTING	NORTHING						
0.000	1144.062	365293.195	6710997.841						
5.000	1143.497	365290.642	6711002.116						
10.000	1143.064	365286.897	6711005.399						
15.000	1142.767	365282.325	6711007.372						
20.000	1142.608	365277.368	6711007.843						
25.000	1142.585	365272.432	6711007.066						
30.000	1142.664	365267.511	6711006.181						
35.000	1142.749	365262.590	6711005.296						

□uarry Exit Return 2 - Setout										
CHAINAGE	RL	EASTING	NORTHING							
0.000	1142.373	365304.511	6711022.220							
5.000	1142.416	365300.326	6711019.517							
10.000	1142.551	365297.118	6711015.706							
15.000	1142.825	365295.168	6711011.122							
20.000	1143.239	365294.646	6711006.168							
25.000	1143.791	365295.600	6711001.278							

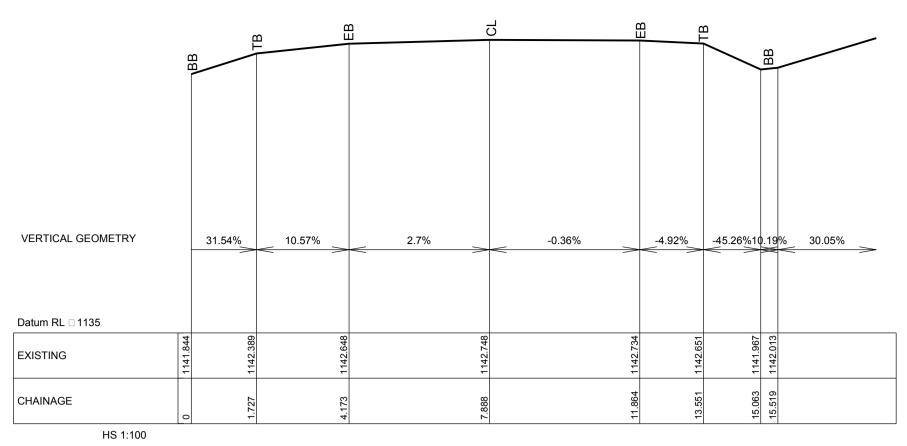


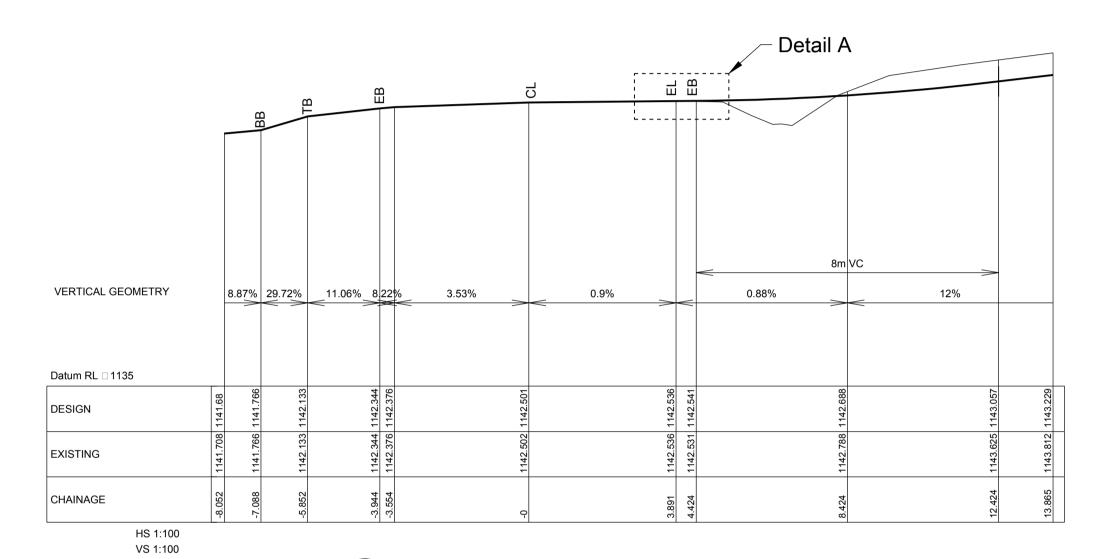


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				Pty Ltd ABN 64	1.055.000.557
				The state of the s	
				Port Macquarie Web: www.li	Inverell
				69 Lord St, Port Macquarie NSW 2444	17 Byron Street, Inverell NSW 2360
В	PAVEMENT DETAILS & INTERSECTION RELOCATED	ASD	21/15/16	Ph: 02-65843888 Fax: 02-65843988	Ph: 02-67225110
Α	FOR APPROVAL	ASD	25/11/16	Email: john@legs.com.au	Email: andrew@legs.com.au
ISSUE	REVISION	ALITH	DATE		=======================================

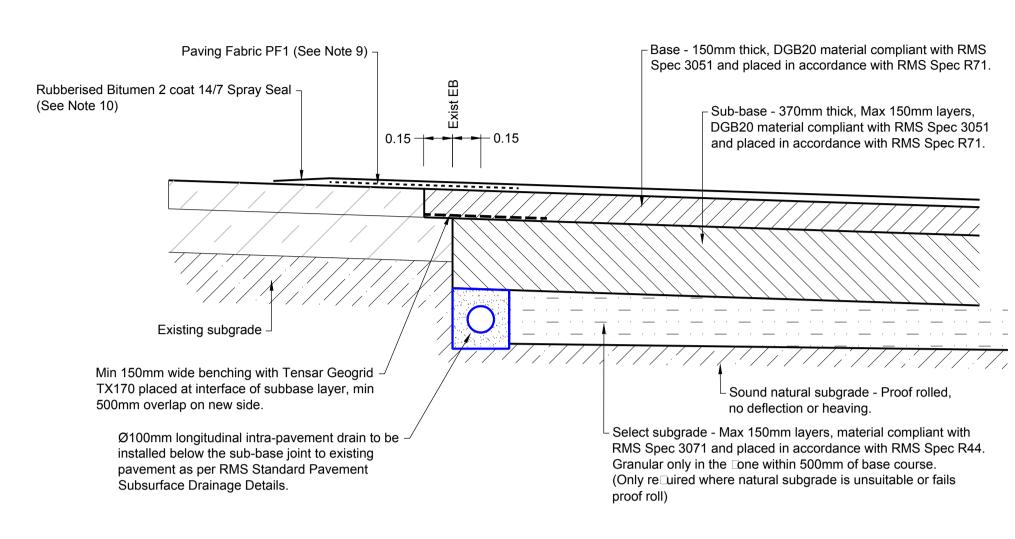
GLEN INNES SEVERN COUNCIL	
PROJECT	
PROPOSED □UARRY 1 WAY EXIT GWYDIR HWY, 15KM WEST OF GLEN INNES PROPOSED WORKS LONGSECTIONS - CENTRELINE & RETURNS SETOUT COORDINATES	

SCALE	S			A1 ORIGINAL	DRAWN	DATE	JOB No.:	ISSUE	SHEET No.
					MM	25/11/16	IV2545		
0 m	5	10	15	20 25	DESIGNED	DATE	DOCUMENT No.:	В	4
				1:250 (A1) 1:500 (A3)	ASD	25/11/16	WAD04		OF 7
0 m	2	4	6	8 10	APPROVED	DATE	STATUS: APPROVAL		
				1:100 (A1) 1:200 (A3)	ASD	25/11/16	REG. No.:		
FILE NAME: IV2545 GISC EXIT ONLY v2.dwg					DATUM: -			-	





VERTICAL GEOMETRY 27 15% 17.31% 7.19% 4.95% -1.42% -51.79%3.59% 60.22% 13.09% Datum RL □ 1135 EXISTING CHAINAGE VS 1:100



DETAIL A PAVEMENT JOINT TIE-IN DETAIL

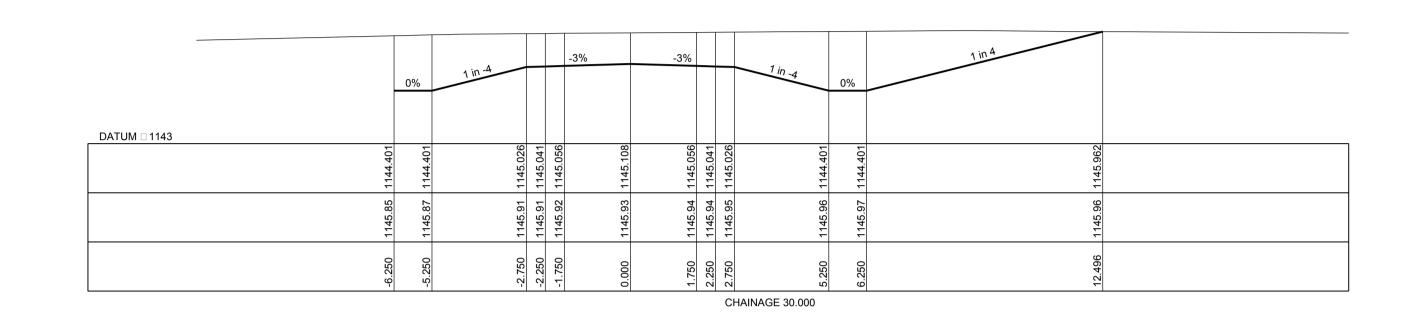
PAVEMENT TIE-IN NOTES

- 1. Longitudinal joint shall be constructed with benching, tensile reinforcing products and rubberised bitumen as per detail.
- 2. Intra-pavement drainage to be installed underneath sub base joint as per RMS Standard Pavement Subsurface Drainage Details (Technical Guide and Vol 6 Standard Drawing).
- 3. Saw-cut existing pavement 150mm inside existing edge of bitumen, ensuring vertical face full depth of new base course.
- 4. Remove bound base course and any gravel below to 150mm below finished surface. 5. Leaving a 150mm benching, cut and remove material to subgrade level.
- 6. Assess subgrade and proof roll. If re uired, remove and replace as per "Pavement Notes" up to design subgrade level.
- 7. Excavate trench and install Intra-pavement drainage including outlet drains discharging through batters in accordance with RMS
- □ A Specification R37 and RMS Standard Pavement Subsurface Drainage Details Volume 6 Supplementary Model Drawings. 8. Place and compact Sub-base.
- 9. Place Tensar Geogrid as per detail.
- Place and compact Base course.
- 11. Place tac coat followed by Paving Fabric PF1 with minimum 500mm overlaps each side of base course joint 12. Place rubberised 2 coat spray seal with 14/7 aggregate, overlap paving fabric by min 300mm.

PAVEMENT NOTES

- 1. Pavement treatment is to be in accordance with RMS specifications and the recommendations in Regional Geotechnical Solutions amended report
- RGS30969.1-AB Rev.1 14/12/2016
- 2. Remove all vegetation and relocate existing services where re uired.
- 3. Strip existing topsoil and unsuitable material from the existing verge and table drains to expose sound subgrade. Stockpile for later reuse in landscaping
- 4. Proof Roll subgrade to identify wet, excessive deflecting or heaving material. Over-excavate such material to a stiff foundation, proof roll, and have
- subgrade conditions verified by a geotechnical consultant. 5. All over-excavated areas shall be backfilled with clean select material.
- 6. Select material shall be as per RMS Spec 3071 and placed in a manner compliant with RMS Spec R44.
- Granular select fill is preferred well graded ripped or crushed rock, free of deleterious materials
- 8. Site won materials such as existing pavement may be re-used as general fill or select fill, subject to inspection and/or testing during construction, and demonstrated compliance with the specifications.
- 9. Clay fill may be used EXCEPT in the top 500mm of the select fill layer below the pavement profile. More stringent earthworks control will be re uired in
- any clay fill areas, which shall be placed and maintained at ±2% of standard OMC. 10. Longitudinal joint shall be constructed as per Pavement Joint tie-in detail and notes.

			CLIENT	SCALES	A1 ORIGINAL	DRAWN	DATE	JOB No.: ISSU	IE SHEET No.
		LOCAL GOVERNMENT	GLEN INNES SEVERN COUNCIL			MM	25/11/16	IV2545	
		ENGINEERING SERVICES	PROJECT	0 m 2 4	6 8 10	DESIGNED	DATE	DOCUMENT No.: WAD05	$\mathbf{o} \mid \mathbf{o} \mid$
			PROPOSED □UARRY 1 WAY EXIT	Section	1:100 (A1) 1:200 (A3)	ASD	25/11/16		OF 7
		Pty Ltd ABN 64 055 099 557 Web: www.legs.com.au Inverell	GWYDIR HWY, 15KM WEST OF GLEN INNES			APPROVED	DATE	STATUS: APPROV	ΔI
D DAVEMENT DETAIL OF INTERPOPORTION PELOCATED	04/45/40	69 Lord St, Port Macquarie NSW 2444 17 Byron Street, Inverell NSW 2360				ASD	25/11/16	7111100	\L_
	21/15/16	Ph: 02-65843888 Fax: 02-65843988 Ph: 02-67225110	HWY CROSS SECTIONS &			'	20/11/10	REG. No.:	
	25/11/16	Email: john@legs.com.au Email: andrew@legs.com.au	TYPICAL PAVEMENT BENCHING DETAIL	FILE NAME: IV2545 GISC EXI	IT ONLY v2 dwa	DATUM: -		7 -	
ISSUE REVISION AUTH	DATE			FILE IVAIVIE. IV2949 GISC EXI	II ONLI VZ.UWY	DATON			

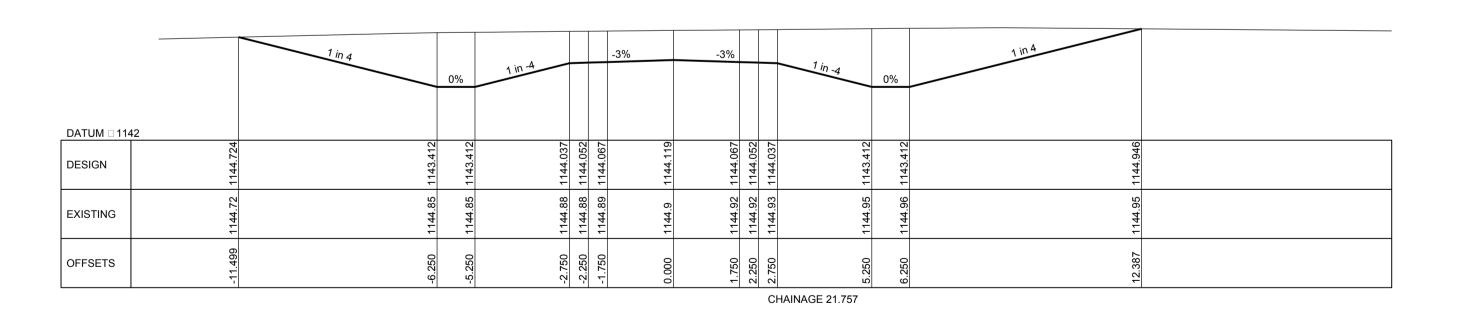


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DATUM 1143

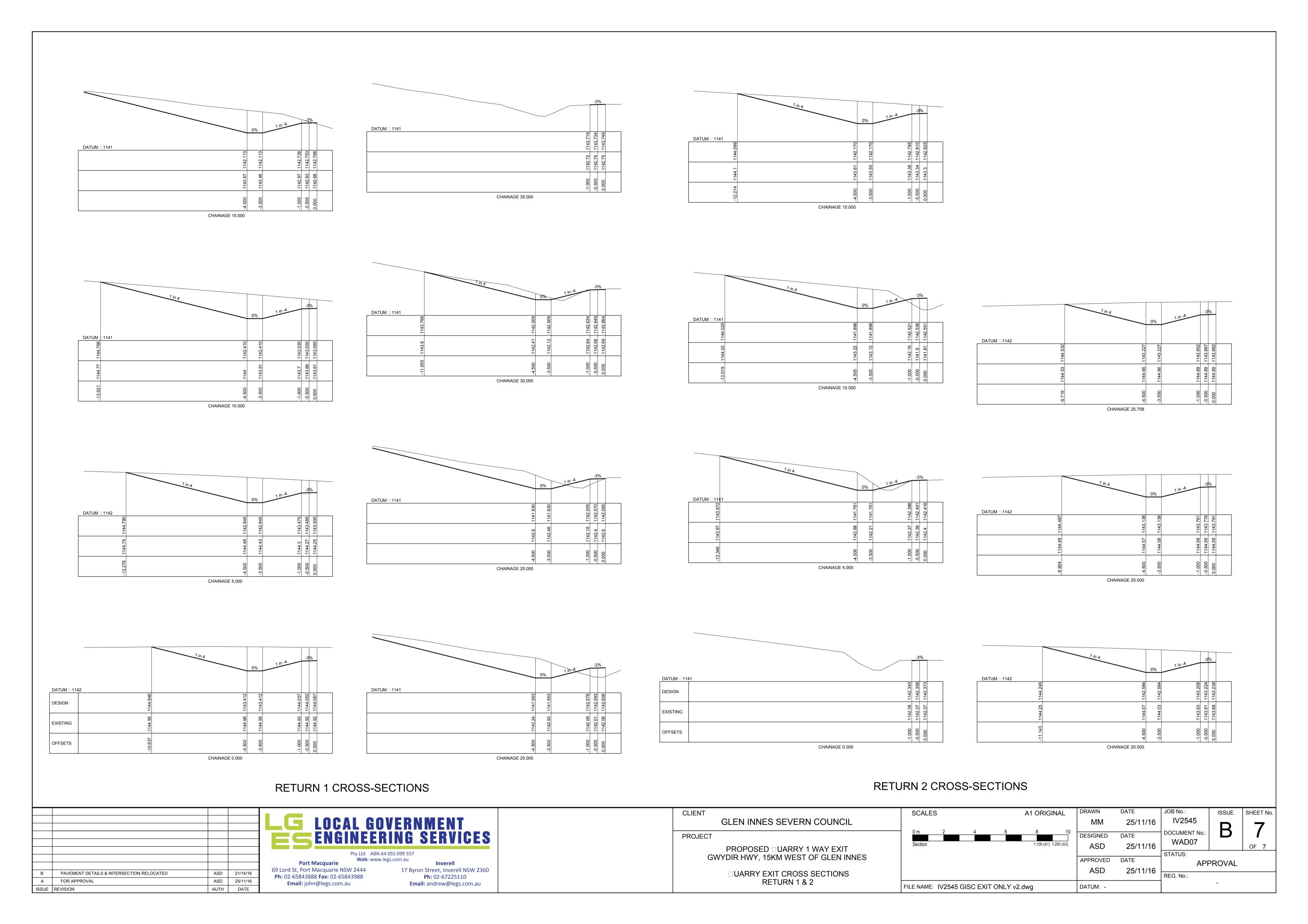
DATUM 1252

DATUM



☐ UARRY EXIT CENTRELINE CROSS-SECTIONS

				CLIENT		SCALES	A1 ORIGINAL	DRAWN	DATE		ISSUE S	SHEET No.
			LOCAL GOVERNMENT		GLEN INNES SEVERN COUNCIL			MM	25/11/16	IV2545	D	G
			ENGINEERING SERVICES	PROJEC*	CT	0 m 2 4 6	8 10	DESIGNED	DATE	DOCUMENT No.:	D	O
					PROPOSED □UARRY 1 WAY EXIT	Section	1:100 (A1) 1:200 (A3)	ASD	25/11/16	WAD06		OF 7
			Pty Ltd ABN 64 055 099 557 Web: www.legs.com.au Inverell		GWYDIR HWY, 15KM WEST OF GLEN INNES			APPROVED		STATUS:	ROVAL	
В	PAVEMENT DETAILS & INTERSECTION RELOCATED	ASD 21/15/16	69 Lord St, Port Macquarie NSW 2444 17 Byron Street, Inverell NSW 2360		□UARRY EXIT CROSS SECTIONS			ASD	25/11/16		TO VAL	
A	FOR APPROVAL	ASD 25/11/16	Ph: 02-65843888 Fax: 02-65843988 Ph: 02-67225110 Email: john@legs.com.au Email: andrew@legs.com.au		AND SETOUT COORDINATES					REG. No.:	_	
ISSUE	REVISION	AUTH DATE	Zillalli dildicivigi egolooliilad			FILE NAME: IV2545 GISC EXIT ONLY v2.dv	wg	DATUM: -				





APPENDIX C

TRAFFIC DATA

10/12/2015 Soup Mail

This email contains insecure resources. For your privacy, these resources have not been loaded. Show Remote Content

From: Brian Schapel <bri>brian@bitziosconsulting.com.au>

'ADAMS Matthew G (Grafton)' <Matt.ADAMS@rms.nsw.gov.au>

P2249 | Glenn Innes Wind Farm TIA

RE: Glenn Innes Wind Farm - AADT and Sight Distance Measurements

Friday, 25 September 2015 2:28pm

Hi Matt.

Thanks for your help with these, much appreciated. The data at Swan Vale may be sufficient, but I will follow your lead and contact Council's if I need more. Any luck with getting hold of the sight distance measurements your field guys did? Cheers,

Brian.

BRIAN SCHAPEL

PRINCIPAL TRAFFIC ENGINEER & TRANSPORT PLANNER



Gold Coast: Sydney: Mail:

Suite 26, 58 Riverwalk Avenue, Robina QLD 4226, P: (07) 5562-5377 F: (07) 5562-5733 Level 2, 428 Upper Edward Street, Spring Hill 4000, P: (07) 3831-4442 F: (07) 3831-4445 Studio 203, 3 Gladstone Street, Newtown NSW 2042, P: (02) 9557 6202 F: (02) 9557 6219 PO Box 5102, O Super Centre, Mermaid Waters QLD 4218 www.bitziosconsulting.com.au



From: ADAMS Matthew G (Grafton) [mailto:Matt.ADAMS@rms.nsw.gov.au] Sent: Friday, 25 September 2015 1:18 PM

To: Brian Schapel <bri>Schapel <bri>Schapel <bri>Brian@bitziosconsulting.com.au>

Subject: RE: Glenn Innes Wind Farm - AADT and Sight Distance Measurements

I haven't had any luck sourcing recent traffic data in the vicinity of the site.

Section 2.2.2 of Aurecon's GIWF Traffic Assessment (Dec, 2013), which supported the EIS identified traffic volumes based on 2004 data.

A permanent count station at Swan Vale, located to the west of the Wind Farm Project areas recorded data up to 2007, which may provide an indication of change over time. Please see the counts in BLUE below and an aerial of the count location relative to Glen Innes.

may have. I would advise contacting Glen Innes Severn Council and Inverell Council to seek any data they

I will make further enquires within RMS and contact you if I can find more recent data.

Regards,

Matt Adams

Acting Manager Land Use Assessment
Network & Safety Management | Northern Region
T 02 6640 1362 E development.northern@rms.nsw.gov.au

Roads and Maritime Services

www.rms.nsw.gov.au Every journey matters

AADT'S ARE BASED ON ANNUAL DATA FOR EACH YEAR SHOWN

(V): VEHICLE COUNT (A): AXLE COUNT

STATION NO....91.594

STATION TYPE....PERMANENT

ROAD....12

DESCRIPTION....AT SWAN BROOK CREEK

COUNT TYPE....AXLE PAIR

AADT 1998....1041

AADT 2001....1084

AADT 2004....1299

AADT 2005....1246

AADT 2006....1154

AADT 2007....1361

LATITUDE....-29.771352 LONGITUDE....151.435422 10/12/2015 Soup Mail



From: Brian Schapel [mailto:brian@bitziosconsulting

Sent: Monday, 21 September 2015 2:15 PM To: ADAMS Matthew G (Grafton)

Subject: Glenn Innes Wind Farm - AADT and Sight Distance Measurements

Good to meet you on site on the 2nd September. I am in touch to see if you can assist with some information. I am hoping you can provide me with AADT counts on this section of the Gwydir Highway or perhaps a RMS contact who can help. Preferably we would like counts for a sequence of recent years that will be sufficient to determine a trend.

The other thing I would like to get is the sight distance measurements that your field guys took, that would be very useful for us.

If you have any queries please give me a call on (07) 5562 5377. Many thanks,

Brian.

BRIAN SCHAPEL

PRINCIPAL TRAFFIC ENGINEER & TRANSPORT PLANNER



Suite 26, 58 Riverwalk Avenue, Robina QLD 4226, P: (07) 5562-5377 F: (07) 5562-5733 Level 2, 428 Upper Edward Street, Spring Hill 4000, P: (07) 3831-4442 F: (07) 3831-4445 Studio 203, 3 Gladstone Street, Newbown NSW 2042, P: (02) 9557 6202 F: (02) 9557 6219 PO Box 5102, Q Super Centre, Mermaid Waters QLD 4218 Gold Coast: Brisbane Sydney: Mail: Web:



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Nathan Brennan

From: Mike Stone <MStone@gisc.nsw.gov.au>
Sent: Monday, 2 November 2015 8:11 AM

To: Nicholas Barnes

Subject: RE: Gwydir Hwy Traffic Data

Hi Nicholas

Info requested for your information:

RMS Site # 91447

75m West of Lambeth Street, 1.05km West of Church Street (H9)

AADT 4272 vpd Date 1/1/14

Comment: This site is in the urban area and obviously includes urban (ie, local) traffic and check the date, there is a possibility that the count could be inflated by seasonal/holiday traffic

RMS Site # 91068

0.88km West of Dumaresq Street, 2.75km West of Church Street (H9)

AADT 1512 vpd Date 1/1/04

Comment: This site is in the rural area and should be more indicative of "highway" traffic, again check the date, there is a possibility that the count could be inflated by seasonal/holiday traffic

GISC Site

150m West of Dumaresq Street, 2.02 West of Church Street (H9)

AADT 1329 vpd Date 18/3/13

Comment: This site is also in the rural area (edge of town) and the date should not be affected by seasonal traffic

General Comment: All of the figures are a "spot check" in time and the results may or may not be repeatable. In the case of the Council Site, total traffic was 23920 yehicles over 18 days, therefore 1329 vpd AADT

Hope the information is helpful

Regards Mike Stone

Mike Stone

Senior Design Officer

Department of Infrastructure Services

T (02) 6730 2355 F (02) 6732 3634

M 0418 970 662

MStone@gisc.nsw.gov.au

GLEN INNES SEVERN COUNCIL 136 Church Street (PO Box 61) Glen Innes NSW 2370



Glen Innes Severn Council. NOTICE & DISCLAIMER

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From: Nicholas Barnes [mailto:Nicholas@bitziosconsulting.com.au]

Sent: Friday, 30 October 2015 2:11 PM

To: Mike Stone

Subject: Gwydir Hwy Traffic Data

Hi Mike,

Further to our conversation earlier today, can you please provide me with any recent traffic data that you have for the Gwydir Highway?

Thanks for your assistance on this matter.

Regards,

NICHOLAS BARNES TRANSPORT PLANNER BUrbEnvPlan (Hons Class 1)



Gold Coast: Suite 26, 58 Riverwalk Avenue, Robina QLD 4226, P: (07) 5562-5377 F: (07) 5562-5733

Brisbane: Level 2, 428 Upper Edward Street, Spring Hill 4000, P: (07) 3831-4442 F: (07) 3831-4455

Sydney: Studio 203, 3 Gladstone Street, Newtown NSW 2042, P: (02) 9557 6202 F: (02) 9557 6219

Mail: PO Box 5102, Q Super Centre, Mermaid Waters QLD 4218

Web: www.bitziosconsulting.com.au

Mobile: 0435-755-007



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Nathan Brennan

From: David A. Strugnell < David.Strugnell@inverell.nsw.gov.au>

Sent: Monday, 26 October 2015 3:19 PM

To: Nicholas Barnes
Subject: RE: Gwydir Hwy AADT

Attachments: AADT-HW012-650 Class Speed Matrix.rtf; AADT-HW012-650 Eastbound.rtf; AADT-

HW012-650 Westbound.rtf

Hi Nicholas,

The attached reports are from a counter that was placed at coords 151.3877975, -29.78180918 between 19 September and 3 October 2014, hope it helps.

Cheers,

David Strugnell

Asset Management Coordinator



Inverell Shire Council

PO Box 138 Inverell NSW 2360 | Tel 02 6728 8230 | Fax 02 6728 8277

From: Nicholas Barnes [mailto:Nicholas@bitziosconsulting.com.au]

Sent: Monday, 26 October 2015 4:04 PM

To: David A. Strugnell **Subject:** Gwydir Hwy AADT

Hi David,

I spoke to you earlier this afternoon regarding the possibility of receiving some recent AADT traffic data for the Gwydir Hwy between Inverell and Glen Innes.

Can you please provide me with the most recent data that you have? You mentioned you may have a count from last year.

If you have any questions regarding this request please don't hesitate to contact me.

Regards,

NICHOLAS BARNES
TRANSPORT PLANNER
BUrbEnvPlan (Hons Class 1)



Gold Coast: Suite 26, 58 Riverwalk Avenue, Robina QLD 4226, P: (07) 5562-5377 F: (07) 5562-5733 Brisbane: Level 2, 428 Upper Edward Street, Spring Hill 4000, P: (07) 3831-4442 F: (07) 3831-4455 Sydney: Studio 203, 3 Gladstone Street, Newtown NSW 2042, P: (02) 9557 6202 F: (02) 9557 6219

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Nathan Brennan

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MetroCount Traffic Executive Class Speed Matrix

ClassMatrix-2 -- English (ENA)

Datasets:

Site: [HW012] STATE HIGHWAY @ 2 HRS SIGN NEAR TARA

Attribute: [+0.000000 +0.000000]

Direction: 8 - East bound A>B, West bound B>A. **Lane:** 0

Survey Duration: 15:04 Friday, 19 September 2014 => 10:43 Friday, 3 October 2014,

Zone:

File: HW012 -650 2014-10-03 1044.EC0 (Plus)

Identifier: GP57NP1M MC56-L5 [MC55] (c)Microcom 19Oct04

Algorithm: Factory default axle (v4.05)

Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 15:05 Friday, 19 September 2014 => 10:43 Friday, 3 October 2014 (13.8183)

Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Speed range: 10 - 160 km/h.

Direction: North, East, South, West (bound), $P = \underline{East}$

Separation: Headway > 0 sec, Span 0 - 100 metre

Name: Factory Default Profile

Scheme: Vehicle classification (AustRoads94)

Units: Metric (metre, kilometre, m/s, km/h, kg, tonne)

In profile: Vehicles = 16509 / 16518 (99.95%)

MetroCount Traffic Executive Adjusted Flow

AADT-1 -- English (ENA)

Datasets:

Site: [HW012] STATE HIGHWAY @ 2 HRS SIGN NEAR TARA

[+0.000000 + 0.000000]Attribute:

8 - East bound A>B, West bound B>A. Lane: 0 Direction:

15:04 Friday, 19 September 2014 => 10:43 Friday, 3 October 2014, **Survey Duration:**

Zone:

File: HW012 -650 2014-10-03 1044.EC0 (Plus)

Identifier: GP57NP1M MC56-L5 [MC55] (c)Microcom 19Oct04

Algorithm: Factory default axle (v4.05)

Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

15:05 Friday, 19 September 2014 => 10:43 Friday, 3 October 2014 (13.8183) Filter time:

Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Speed range: 10 - 160 km/h.

East (bound), P = EastDirection:

Headway > 0 sec, Span 0 - 100 metre Separation:

Factory Default Profile Name:

Scheme: Vehicle classification (AustRoads94)

Metric (metre, kilometre, m/s, km/h, kg, tonne) Vehicles = 8200 / 16518 (49.64%) Units:

In profile:

Class Speed Matrix

ClassMatrix-2

Site: HW012.0.1EW

Description: STATE HIGHWAY @ 2 HRS SIGN NEAR TARA

Filter time: 15:05 Friday, 19 September 2014 => 10:43 Friday, 3 October 2014

Scheme: Vehicle classification (AustRoads94)

Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100)

Speed (km/h)						Class							Speed	Totals
	sv	SVT	TB2	TB3	Т4	ART3	ART4	ART5	ART6	BD	DRT	TRT		
	1	2	3	4	5	6	7	8	9	10	11	12		
10 - 20	1		4	•	•				•	•		•	5	0.0%
20 - 30	3											.	3	0.0%
30 - 40	6		1									.	7	0.0%
40 - 50	3			1								.	4	0.0%
50 - 60	7	3	8	1	1					1		.	21	0.1%
60 - 70	10	2	12					1		1		.	26	0.2%
70 - 80	94	31	40	5	3	12	5	2	3	2		.	197	1.2%
80 - 90	608	209	151	17	2	25	47	6	16	16	1	.	1098	6.7%
90 - 100	3305	481	650	74	16	49	104	26	170	291	3	.	5169	31.3%
100 - 110	5615	370	987	90	10	61	66	27	308	360	1	.	7895	47.8%
110 - 120	1360	50	242	3	3	11	9		2	2		.	1682	10.2%
120 - 130	278	7	39	2	•		1		•	•		.	327	2.0%
130 - 140	45	1	6	•	•				•	•		.	52	0.3%
140 - 150	18		1				T .		•			.	19	0.1%
150 - 160	4	•	٠	•				•	٠	•	•	.	4	0.0%
Class Totals	11357	1154	2141	193	35	158	232	62	499	673	5	0	16509	
	68.8%	7.0%	13.0%	1.2%	0.2%	1.0%	1.4%	0.4%	3.0%	4.1%	0.0%	0.0%		

```
AdjVol - Date
 Day Hits RawVol DayFac MonFac
   0 ---- - Friday, 19 September 2014
   1
      1 506.000 1.000 1.000 506.000 - Saturday, 20 September 2014
       1 514.000 1.000 1.000
   2
                                     514.000 - Sunday, 21 September 2014
                                     558.000 - Monday, 22 September 2014
   3
           558.000 1.000 1.000
       1
                                     613.000 - Tuesday, 23 September 2014
   4
           613.000 1.000 1.000
       1
   5
            658.000 1.000 1.000
                                     658.000 - Wednesday, 24 September 2014
       1
   6
            621.000 1.000 1.000
                                     621.000 - Thursday, 25 September 2014
       1
            679.000 1.000 1.000 525.000 1.000 1.000
                                     679.000 - Friday, 26 September 2014
   7
       1
                                     525.000 - Saturday, 27 September 2014
   8
       1
                                     579.000 - Sunday, 28 September 2014 586.000 - Monday, 29 September 2014
            579.000 1.000 1.000
   9
       1
                     1.000 1.000
  10
       1
            586.000
            659.000 1.000 1.000
                                     659.000 - Tuesday, 30 September 2014
  11
       1
                                     627.000 - Wednesday, 1 October 2014
  12
            627.000 1.000 1.000
       1
  13
            723.000 1.000 1.000
                                  723.000 - Thursday, 2 October 2014
       1
                                  ----- - Friday, 3 October 2014
Total days = 13, Coverage = 3.56%
ADT = 603.692, SD = 66.855
AADT = 603.692, SD = 66.855
Weekdays = 9, Coverage = 2.47%
AWDT = 636.000, SD = 49.812
AAWDT = 636.000, SD = 49.812
Weekend days = 4, Coverage = 1.10%
AWET = 531.000, SD = 32.934
AAWET = 531.000, SD = 32.934
ADT and adjustment factor by month
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
             6498.000, Days
Sep - Vol =
                               11, ADT =
                                            590.727, Adjust =
                                                               1.02195, 1/Adjust =
0.97852
             1350.000
Oct - Vol =
                                2, ADT =
                                                               0.89436, 1/Adjust =
                       Days =
                                            675.000, Adjust =
1.11812
Nov
Dec
ADT and adjustment factor by day of week
                                            572.000, Adjust =
                                                               1.05541, 1/Adjust =
Mon - Vol =
             1144.000, Days = 2, ADT =
0.94750
Tue - Vol =
             1272.000, Days =
                               2, ADT =
                                            636.000, Adjust =
                                                                0.94920, 1/Adjust =
1.05352
Wed - Vol =
             1285.000, Days =
                                2, ADT =
                                            642.500, Adjust =
                                                                0.93960, 1/Adjust =
1.06428
             1344.000, Days =
                                2, ADT =
                                            672.000, Adjust =
                                                                0.89835, 1/Adjust =
Thu - Vol =
1.11315
             679.000, Days =
                                            679.000, Adjust =
                                                                0.88909, 1/Adjust =
Fri - Vol =
                                1, ADT =
1.12475
Sat - Vol =
             1031.000, Days =
                               2, ADT =
                                            515.500, Adjust =
                                                                1.17108, 1/Adjust =
0.85391
Sun - Vol =
             1093.000, Days =
                              2, ADT = 546.500, Adjust = 1.10465, 1/Adjust =
0.90526
```

MetroCount Traffic Executive Adjusted Flow

AADT-0 -- English (ENA)

Datasets:

Site: [HW012] STATE HIGHWAY @ 2 HRS SIGN NEAR TARA

Attribute: [+0.000000 +0.000000]

Direction: 8 - East bound A>B, West bound B>A. **Lane:** 0

Survey Duration: 15:04 Friday, 19 September 2014 => 10:43 Friday, 3 October 2014,

Zone:

File: HW012 -650 2014-10-03 1044.EC0 (Plus)

Identifier: GP57NP1M MC56-L5 [MC55] (c)Microcom 19Oct04

Algorithm: Factory default axle (v4.05)

Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 15:05 Friday, 19 September 2014 => 10:43 Friday, 3 October 2014 (13.8183)

Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Speed range: 10 - 160 km/h.

Direction: West (bound), $P = \underline{East}$

Separation: Headway > 0 sec, Span 0 - 100 metre

Name: Factory Default Profile

Scheme: Vehicle classification (AustRoads94)

Units: Metric (metre, kilometre, m/s, km/h, kg, tonne)

In profile: Vehicles = 8309 / 16518 (50.30%)

```
AdjVol - Date
 Day Hits RawVol DayFac MonFac
   0 ---- - Friday, 19 September 2014
   1
      1 551.000 1.000 1.000 551.000 - Saturday, 20 September 2014
       1 497.000 1.000 1.000 497.000 - Sunday, 21 September 2014
   2
                                    616.000 - Monday, 22 September 2014
   3
           616.000 1.000 1.000
       1
                                     597.000 - Tuesday, 23 September 2014
   4
           597.000 1.000 1.000
       1
   5
            623.000 1.000 1.000
                                     623.000 - Wednesday, 24 September 2014
       1
   6
            583.000 1.000 1.000
                                     583.000 - Thursday, 25 September 2014
       1
            647.000 1.000 1.000
494.000 1.000 1.000
            647.000
                                     647.000 - Friday, 26 September 2014
   7
       1
                                     494.000 - Saturday, 27 September 2014
   8
       1
                                     645.000 - Sunday, 28 September 2014 669.000 - Monday, 29 September 2014
            645.000 1.000 1.000
   9
       1
                     1.000 1.000
  10
       1
            669.000
                     1.000 1.000
                                     699.000 - Tuesday, 30 September 2014
            699.000
  11
       1
                                     633.000 - Wednesday, 1 October 2014
  12
            633.000 1.000 1.000
       1
  13
            689.000 1.000 1.000
                                     689.000 - Thursday, 2 October 2014
       1
                                  ----- - Friday, 3 October 2014
Total days = 13, Coverage = 3.56%
ADT = 611.000, SD = 65.550
AADT = 611.000, SD = 65.550
Weekdays = 9, Coverage = 2.47%
AWDT = 639.556, SD = 39.972
AAWDT = 639.556, SD = 39.972
Weekend days = 4, Coverage = 1.10%
AWET = 546.750, SD = 70.543
AAWET = 546.750, SD = 70.543
ADT and adjustment factor by month
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep - Vol =
             6621.000, Days
                               11, ADT =
                                            601.909, Adjust =
                                                               1.01510, 1/Adjust =
0.98512
             1322.000
Oct - Vol =
                                2, ADT =
                                                               0.92436, 1/Adjust =
                       Days =
                                            661.000, Adjust =
1.08183
Nov
Dec
ADT and adjustment factor by day of week
                                            642.500, Adjust =
                                                                0.95097, 1/Adjust =
Mon - Vol =
             1285.000, Days = 2, ADT =
1.05155
Tue - Vol =
             1296.000, Days =
                               2, ADT =
                                            648.000, Adjust =
                                                                0.94290, 1/Adjust =
1.06056
Wed - Vol =
             1256.000, Days =
                                2, ADT =
                                            628.000, Adjust =
                                                                0.97293, 1/Adjust =
1.02782
             1272.000, Days =
                                2, ADT =
                                            636.000, Adjust =
                                                                0.96069, 1/Adjust =
Thu - Vol =
1.04092
             647.000, Days =
                                            647.000, Adjust =
                                                                0.94436, 1/Adjust =
Fri - Vol =
                                1, ADT =
1.05892
Sat - Vol =
             1045.000, Days =
                                2, ADT =
                                            522.500, Adjust =
                                                                1.16938, 1/Adjust =
0.85516
Sun - Vol =
             1142.000, Days =
                               2, ADT = 571.000, Adjust = 1.07005, 1/Adjust =
0.93453
```

MetroCount Traffic Executive Individual Vehicles

Individual-5 -- English (ENA)

Datasets:

Site: [501] gWYDIR hWY wEST

Direction: 8 - East bound A>B, West bound B>A. **Lane:** 2

Survey Duration: 15:00 Friday, 1 March 2013 => 10:42 Monday, 18 March 2013

Zone:

File: 50118Mar2013.EC2 (Plus)

Identifier: N048DHWD MC56-L4 [MC55] (c)Microcom 19Sep03

Algorithm: Factory default (v3.21 - 15275)

Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

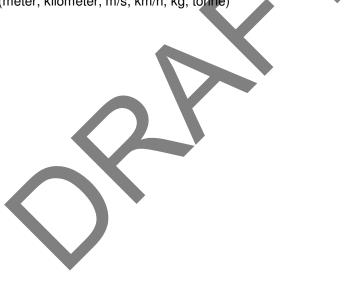
Filter time: 15:00 Friday, 1 March 2013 => 10:42 Monday, 18 March 2013

Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Speed range:10 - 160 km/h.Direction:East (bound)Separation:All - (Headway)Name:Default Profile

Scheme: Vehicle classification (AustRoads94)

Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)



GHD

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No.		Name	Signature	Name	Signature	Date		
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