

Llywodraeth Cymru / Welsh Government

A487 New Dyfi Bridge

Environmental Statement – Volume 3: Appendix 13.1

Non-Motorised User Context Report

900237-ARP-ZZ-ZZ-RP-CH-00005

Final Issue | September 2017







Contents

			Page
1	Introd	luction	1
	1.1	Context	1
	1.2	The Scheme	1
	1.3	Purpose of this Report	1
	1.4	Methodology	2
2	Existin	ng Traffic Flows and Speeds	3
	2.1	Methodology	3
	2.2	Data	3
	2.3	Discussion	4
3	Foreca	ast Traffic Flows	5
	3.1	Methodology	5
	3.2	Data	5
4	NMU :	Flows	6
	4.1	Methodology	6
	4.2	Data	6
	4.3	Discussion	6
5	Public	e Transport	7
6	Accide	ent Data	9
7	Desire	e Lines	10
8	Policy	and Strategic Objectives	11
	8.1	National Policy	11
	8.2	Regional Policy	13
	8.3	Local Policy	14
	8.4	Summary	16
9	Trip G	Generators	17
10	Public	Rights of Way Network	19
	10.1	Introduction	19
	10.2	Promoted Cycling Routes	20
	10.3	Promoted Walking Routes	20
	10.4	Bridleways	21
	10.5	General Condition	21

11	Views	of User Groups	22
12	Confli	ict Points	23
13	Schem	ne Objectives	24
14	Summ	nary	25
	14.1	Declarations	25

Appendices

Appendix A

NMU Context Report Plan 900237-ARP-ZZ-ZZ-DR-YE-00012

Appendix B

Vehicle Surveyed Flows

Appendix C

Forecast Flows

Appendix D

NMU Surveyed Flows

Appendix E

Bus Timetables

1 Introduction

1.1 Context

The Welsh Government proposes to provide a new section of the A487 Fishguard to Bangor trunk road incorporating the provision of a new river crossing of the Afon Dyfi.

The existing bridge is located immediately north of Machynlleth in North Powys, close to the border with Gwynedd and Ceredigion. The existing A487 bridge (Pont ar Ddyfi) is the first crossing of Afon Dyfi upstream of its mouth, with the next crossing approximately 8km east at Jubilee Bridge, Grofft. Pont ar Ddyfi is on the southern boundary of Snowdonia National Park.

The existing bridge is on the A487 Fishguard to Bangor trunk road, which is the principal strategic north-south route along the west coast of Wales. The bridge is directly south of the A487/A493 T-junction (with the A493 forming the minor arm of this junction).

Continued use of existing bridge is significantly affected by two issues:

- Repeated flooding from Afon Dyfi of the A487 just south of the bridge, with dangerously high flood water at the bridge itself, and
- Ongoing deterioration of the existing masonry which necessitates on going repair and strengthening works to keep the bridge in operation.

There have been several studies into the area to look at operation, suitability, online and off-line improvements and traffic management. In November 2000, a Powys TRA Stage II Technical Appraisal Report, supported by an Environmental Statement, concluded that for the trunk road to remain accessible at all times the recommended option was to construct an offline multi-span viaduct across the river and floodplain.

1.2 The Scheme

The A487 New Dyfi Bridge scheme is a 900m section of new single carriageway road. The proposed route is to the southeast of the existing route and Pont ar Ddyfi. The scheme includes a 570m viaduct and river bridge across the Afon Dyfi and associated floodplain. The existing A487 would be de-trunked between the two ends of the scheme. The existing Pont ar Ddyfi would be restricted to Non-Motorised Users (NMUs) only.

The location of the scheme is shown on Plan 900237-ARP-ZZ-ZZ-DR-YE-00012 included in Appendix A.

1.3 Purpose of this Report

Non-motorised users (NMUs) are considered to be pedestrians, cyclists and equestrians. The purpose of this NMU Context Report is to address the first of two elements of the NMU Audit.

This comprises the collation of background information of relevance to NMUs, and the presentation of that information in an NMU Context Report, leading to agreement on the design stages for which a NMU Audit Report is required.

1.4 Methodology

The methodology for this NMU Context Report has been determined in accordance with the requirements of DMRB HD42/05 "Non-Motorised User Audits" and TA91/05 "Provision for Non-Motorised Users", and covers the following key elements:

- a) NMU flows
- b) Motorised traffic flows and speeds
- c) Road accident records
- d) Public Rights of Way network
- e) National Cycle Network routes
- f) Future land use
- g) Identification of key NMU trip generators
- h) Identification of relevant desire lines
- i) Views and information from user groups

2 Existing Traffic Flows and Speeds

2.1 Methodology

The A487 New Dyfi Bridge Traffic Local Model Validation Report and the A487 New Dyfi Bridge Traffic Survey Report provide detailed explanations on the data collection and methodology.

A traffic model has been created using a combination of traffic count undertaken specifically for the project and count data from Welsh Government and Department for Transport. Annual average daily traffic (AADT) flows were calculated for key roads in the model area. The AM and PM surveyed counts are from the Manual Classified Counts (MCC), conducted on 17 September 2015 between 7am and 7pm.

The second set of counts was an Automatic Traffic Count (ATC) on roads in the study area for a seven day period from 11 September to 17 September 2015. The ATCs provide data on vehicle speeds.

During the course of the surveys no accidents were recorded and as such these flows can be taken as normal and have not been affected by any external factor that could disrupt the flows recorded.

2.2 Data

Table 1 provides a summary of the flows on each link. The full survey results and location of counts are included in Appendix B

Link		AM Peak	PM Peak	AADT
A493 (west of Pont ar Ddyfi)	Eastbound	92	115	1207
	Westbound	80	130	1214
	2 way	172	245	2421
A487 (north of junction with	Northbound	93	171	1595
B4404)	Southbound	131	168	1565
	2 way	224	339	3160
A487 (south of bridge)	Northbound	138	285	2384
	Southbound	207	263	2454
	2 way	345	548	4838
A489 Heol Maengwyn	Eastbound	245	429	3263
	Westbound	303	314	3316
	2 way	548	743	6579
B4404	Eastbound	10	26	199
	Westbound	29	22	230
	2 way	39	48	429
	Eastbound	87	186	1602

A487 (south of junction with	Westbound	144	179	1651
B4404)	2 way	231	365	3253
A487 (south of junction with	Eastbound	204	431	2529
A489 Heol Maengwyn)	Westbound	304	314	2632
	2 way	508	745	5161

Table 1 2015 Surveyed Traffic Flows

Table 2 shows the seven-day 85%ile of the 24h directional vehicle speeds.

ATC location	Direction	24hr 85%ile speed	Speed limit
Site 1, A487, Machynlleth	Eastbound	32.8	30
	Westbound	32.8	
Site 2, A493, Machynlleth	Eastbound	41.4	60
(Bridge Sign)	Westbound	43.3	
Site 3, A487, Machynlleth	Northbound	43.0	60
(Road Narrows Sign)	Southbound	42.8	
Site 4, A489, Machynlleth	Northbound	44.1	60
	Southbound	46.0	

Table 2 Directional Vehicle Speeds

2.3 Discussion

An analysis of the counts shows that the AM peak hour occurred between 8am and 9am and that the PM peak hour occurred between 5pm and 6pm. Generally the traffic flows increased throughout the day, peaked during the inter peak period before decreasing. This pattern was observed in both the MCC and the seven day average from the ATCs. The PM peak was generally busier than the AM peak.

The peak hour counts on the A487 demonstrate an element of tidality with the AM outbound flows being greater than the inbound flows. Flows on the other roads do exhibit differences between inbound and outbound, but the difference is not as great as that on the A487.

The results show that the seven day average speeds are similar for both directions.

3 Forecast Traffic Flows

3.1 Methodology

For this project there are no particular developments that need to be considered, as there are no significant developments of relevance proposed in the area. Any developments planned in the area are accommodated by the Tempro factors used for increasing the traffic.

3.2 Data

For this scheme, two assessment years have been chosen. These are the scheme opening year of 2019 and fifteen years after opening, so 2034. Table 3 summarises the forecast AADT flows for the links surveyed in the 2015 flows. The full forecast flows are included in Appendix C.

Link		2019	2034
A493 (west of Pont ar	Eastbound	1300	1567
Ddyfi)	Westbound	1307	1576
	2 way	2607	3143
A487 (north of junction	Northbound	1719	2072
with B4404)	Southbound	1686	3032
	2 way	3405	5104
A487 (south of Pont ar	Northbound	2568	3095
Ddyfi)	Southbound	2644	3186
	2 way	5212	6281
A489 Heol Maengwyn	Eastbound	2516	4237
	Westbound	3573	4306
	2 way	6089	8543
B4404	Eastbound	214	258
	Westbound	248	299
	2 way	462	557
A487 (south of junction	Eastbound	1726	2080
with B4404)	Westbound	1779	2144
	2 way	3505	4224
A487 (south of junction	Eastbound	2724	3283
with A489 Heol Maengwyn	Westbound	2835	3417
	2 way	5559	6700

Table 3 Forecast Flows

4 NMU Flows

4.1 Methodology

NMU counts were undertaken during October half term school holidays from Sunday 25 October to Tuesday 27 October (inclusive), between 8am and 4pm. This recorded NMU type (pedestrian, cyclist, equestrian) and the direction of movement.

4.2 Data

Two locations were surveyed, as shown on Plan 900237-ARP-ZZ-ZZ-DR-YE-00012 included as Appendix A. Counts were broken down into 15 minute periods within the overall daily count, allowing for a profile of NMU movements over a daily period. Full results of the NMU counts are included as Appendix D. This includes plans showing the location of the counts.

T 11 4 1	41 1 °	4 4 1 C	1 (41	1 1
Lable 4 shows	tne dai	V forais for	each of the	surveyed days.
I dole I blievib	uic aui	y totals for	cach of the	bui to you duyb.

Description		Sund	Sunday		Monday		Tuesday			
		Ped.	Cycl.	Total	Ped.	Cycl.	Total	Ped.	Cycl.	Total
Count location 1 –	WB	33	19	52	20	6	26	16	4	20
NCN Route 8 crossing A487 south	EB	24	16	40	15	8	23	8	7	15
of Pont ar Ddyfi	2-way	57	35	92	35	14	49	24	11	35
Count location 2 –	SWB	23	14	37	0	6	6	0	4	4
NCN Route 8, north of Afon Dyfi	NEB	16	14	30	0	8	8	0	7	7
Millennium bridge	2-way	39	28	67	0	14	14	0	11	11

Table 4 2015 Surveyed NMU Flows

4.3 Discussion

No equestrian activity was observed during the surveyed period.

The results of the survey show Sunday to be the busiest day at both count locations, with pedestrians as the predominant NMU type. Across the three surveyed days, the NCN Route 8 crossing south of Pont ar Ddyfi saw more NMU activity than the NCN Route 8, north of Afon Dyfi Millennium bridge.

It is notable that the surveys on Monday and Tuesday recorded no pedestrian activity at the count location north of Afon Dyfi Millennium bridge, with only a low number of cycle movements observed.

5 Public Transport

The availability and convenience of access to the start/end points of public transport journeys forms a key consideration in the context of NMU activity.

Maintaining accessibility to public transport services is critical in ensuring communities can access key local facilities. It also ensures that there are viable alternatives to car use for longer distance journeys that may be regarded as too far or too hazardous to be undertaken in their entirety by walking or cycling.

Table 5 summaries the bus services and their routes that serve the bus stops in the immediate vicinity of Pont ar Ddyfi. The frequency of most services is approximately 1-2 per hour during the weekday daytime. Appendix E contains the complete timetables for each of the services listed below.

Route No.	Frequency	(buses per da	ıy)	Route	
	Monday – Friday	Saturday	Sunday		
34	9	9	-	Machynlleth – Ceinws – Aberllefenni	
34A (extension to 34)	3	-	-	Machynlleth Circular	
T2	5	5	2	Aberystwyth – Machynlleth – Dolgellau – Porthmadog – Caernarfon – Bangor	
X27	4	6	-	Machynlleth – Corris – Dolgellau	
X28/29	6	6	-	Llanegryn – Tywyn – Machynlleth – Aberystwyth	

Table 5 Bus Service Summary

Bus stops in the vicinity of Pont ar Ddyfi operate as request stops, with no signage or carriageway demarcations. Consultation with Lloyds Coaches revealed that outside of town centres, many of the buses operate on a hail and ride type service, with few bus stops demarcated with timetables or shelter provision. However, there are some locations that are recognised as bus stops, due to frequency of use and/or layby formation.

The nearest bus stops with timetable information are located at Lloyds Coaches Bus Depot, at both the northbound and southbound stops, approximately 700m south of Pont ar Ddyfi.

Lloyd Coaches operates the majority of the local services. Buses do not permit the carriage of cycles.

Machynlleth railway station, on the Cambrian Line, is located approximately 600m south of Pont ar Ddyfi and is managed by Arriva Trains Wales. Typical daytime frequencies and journey times to key nearby and long distance destinations are outlined in Table 6. These are listed in order of journey time duration.

Destination	Service frequency	Journey time		
(direct trains from Machynlleth)	Monday – Friday	Saturday	Sunday	duration
Aberdovey	8	8	1	18 minutes
Aberystwyth	16	15	13	34 minutes
Newtown	12	12	8	36 minutes
Barmouth	8	8	1	63 minutes
Shrewsbury	12	12	8	73 minutes
Harlech	8	8	1	89 minutes

Table 6 Services from Machynlleth railway station

In additional to the passenger services operating from Machynlleth railway station, a preserved railway line known as Corris Railway operates as a visitor attraction, some 6km north of Pont ar Ddyfi. The track totals 0.75 miles in length, so is not considered a form of passenger transport, but is recognised as a trip generator.

6 Accident Data

Accident data been obtained from Welsh Government in order to evaluate the number of Personal Injury Accidents (PIAs) which have occurred in the vicinity of the existing Pont ar Ddyfi and on connecting roads. This assesses accidents involving pedestrians and cyclists over a five year period, from 1st January 2009 to 31st December 2014. These records have been examined to identify issues with the existing highway which may contribute towards road safety problems for NMUs.

An 'accident' involves personal injury occurring on the public highway (including footways) in which at least one vehicle is involved and which becomes known to the police within 30 days of its occurrence. 'Damage-only' accidents are not included. The statistics relate only to personal injury accidents on public roads that are reported to the police, and subsequently recorded, using the STATS19 accident reporting form.

One accident may give rise to several casualties and the severity of an accident is based on the most severely injured casualty:

- Slight minor injury or slight shock requiring roadside attention but not requiring hospital treatment;
- Serious an injury for which a person is detained in hospital; or
- Fatal in which at least one person is killed.

Plan 900237-ARP-ZZ-ZZ-DR-YE-00012 included as Appendix A shows the location of accidents involving NMUs in the vicinity of the scheme, denoted by NMU type and severity.

There have been a total of seven PIAs within the search cordon over the five year period. Of these incidents, six were classified as minor and one was classified as serious. There have been no NMU fatalities.

No NMU incidents occurred on Pont ar Dyfi, or north of Machynlleth railway station.

Three of the slight incidents involved cyclists, all occurring in Machynlleth town centre.

Four of the incidents involved pedestrians, three of which were classified as slight and one was serious. The serious incident occurred on A489 Newtown Road, east of Machynlleth at 01:24am, when a taxi proceeding normally along the carriageway struck a pedestrian. No street lighting is present and footways are provided on both sides of the carriageway at this location.

7 Desire Lines

There are two principal types of desire lines: utility desire lines and recreational desire lines. Each has its own needs and requirements, as explained below.

Utility desire lines are desire lines associated with a direct need. This can be a need to work, shop, attend school or visit specific locations for a specific purpose. This type of desire line is a connection between the place of residence (source) and the location to be visited (destination). Often users will take the perceived quickest route, sometimes this is the route with the shortest distance. For NMUs, these can often be grouped or aligned to follow corridors. Generally, it is this type of desire line which will see users making injudicious crossings of roads, where the risk is considered (by the individual user) to be less than the benefit gained in terms of time or distance. Often the journey is not completely weather dependent but is more likely to be popular when conditions are fine.

A recreational desire line tends to take the form of circular walking, jogging, running or cycling route, or sometimes a return journey along a given corridor. Generally this type of use is much more informal, often will be done by people who have a detailed knowledge of the area and availability of routes. Unsafe NMU activity can be less prevalent in this user group, with the exception of when a user is unfamiliar with the routes or areas, and comes upon an obstruction which would require the user to turn back or take a risk to pass the obstruction encountered. Often recreational desire lines are developed through promotion, for example a local authority may publish route maps for circular walks, and these routes start to fall into regular use. Often journeys of this type are weather dependent.

An established desire line is considered to be one for which reasonable facilities exist for NMU use.

A potential desire line is one for which barriers currently exist, although these barriers may not necessarily preclude its active use.

There are some desire lines in the Machynlleth area but relatively few that cross Pont ar Ddyfi. Desire lines have been identified are within the town; west-east movement into the town centre from surrounding residential areas. The rural nature of the area and the absence of towns and villages within walking distance limits number of desire lines beyond the boundary of the town.

8 Policy and Strategic Objectives

This section provides an overview of the legislation, policies and plans, relevant to NMUs within the vicinity of the scheme. This includes consideration of overarching national and regional policies, together with the local planning and transport plan polices of Powys County Council, Gwynedd County Council and Snowdonia National Park Authority.

8.1 National Policy

People, Places, Futures – The Wales Spatial Plan (2008)

The Wales Spatial Plan (WSP) was originally adopted in 2004 as the 20 year plan for sustainable development in Wales. It was updated in 2008 and provides the 'overarching framework and integration tool for Wales'. It underpins the future improvement of regional and national strategic planning for transport.

There are five guiding themes which set out the National Framework. The key themes are based on:

- Building sustainable communities;
- Promoting a sustainable economy;
- Valuing our environment;
- Achieving sustainable accessibility; and
- Respecting distinctiveness.

Among the key challenges identified within the WSP is to integrate sustainable transport solutions with community and development planning to improve accessibility.

Wales Transport Strategy – One Wales: Connecting the Nation (2008)

The Wales Transport Strategy (WTS), One Wales: Connecting the Nation, was published in 2008. The document outlines how the transport policy approach is more responsive than previous strategies in its delivery of the Welsh Government's wider policy agenda, and has attempted to be flexible to reflect different regional circumstances.

The four main regions in Wales are each represented by a regional transport consortium, which has been created through partnerships between neighbouring Local Authorities.

The stated goal of the strategy is for Wales to promote sustainable transport networks that safeguard the environment, while strengthening Wales' economic and social life. The transport strategy identifies a series of high-level sustainable transport themes and sets out the steps to their delivery, including:

- Achieving a more effective and efficient transport system;
- Achieving greater use of the more sustainable and healthy forms of travel; and

Minimising demands on the transport system.

National Transport Plan (2010)

The National Transport Plan sets out what Wales should deliver over the next five years, set within the context of Wales' long-term vision as set out in One Wales. The plan identifies national and regional interventions, and recognises the role of local authorities in identifying priorities for transport investment at a local level to support the outcomes in the Wales Transport Strategy and in line with guidance provided by Welsh Government through their Local Transport Plans.

Of these, specific interventions relate to NMUs:

- Draw on Smarter Choices guidance: increase more healthy and sustainable travel;
- Develop a larger number of traffic free walking and cycling routes and segregated public transport routes;
- Maintain the Safe Routes in Communities programme to develop safer walking and cycling opportunities;
- Deliver Walking and Cycling Action Plan targets;
- Continue to increase the amount of funding available for walking and cycling schemes;
- Improvements in the provision of safer walking and cycling routes;
- Continue to work with UK Government on development of the new Road Safety Strategy; and
- Address road safety in areas where casualty and fatality rates are higher than the national average, or where there are issues for vulnerable groups.

Road Safety Framework for Wales (2013)

This supersedes the Road Safety Strategy, which successfully achieved and exceeded the targeted reductions in casualties for all road users in Wales in 2010.

The 2013 framework sets out the Welsh Government's priorities for road safety and focuses on casualty reduction targets. Compared to the averages for 2004-2008 its targets are:

- 40% reduction in the total number of people killed and seriously injured on Welsh roads by 2020;
- 25% reduction in the number of motorcyclists killed and seriously injured on Welsh roads by 2020; and
- 40% reduction in the number of young people (aged 16-24) killed and seriously injured on Welsh roads by 2020.

Active Travel (Wales) Act (2013) and Active Travel Action Plan (2014)

The Active Travel (Wales) Act 2013 completed its passage through the National Assembly for Wales on 1 October 2013. The Bill became an Act of the Assembly on 4 November 2013.

The Act makes it a legal requirement for local authorities in Wales to map and plan for suitable routes for active travel, and to build and improve their infrastructure for walking and cycling every year. It creates new duties for highways authorities to consider the needs of walkers and cyclists and make better provision for them. It also requires both the Welsh Government and local authorities to promote walking and cycling as a mode of transport.

By connecting key sites such as workplaces, hospitals, schools and shopping areas with active travel routes, the Act will encourage people to rely less on their cars when making short journeys. The Act will come into force in mid-2014. Over winter 2013/14 there will be public consultations on the statutory guidance needed to implement the Act, and a Direction on the geographic coverage of the Act. The Act will be supported by the Active Travel Action Plan, and its implementation will be overseen by the Active Travel Board.

The Act requires local authorities in Wales to produce active travel maps and deliver year on year improvements in active travel routes and facilities. It requires highways authorities in Wales to make enhancements to routes and facilities for pedestrians and cyclists in all new road schemes and to have regard to the needs of walkers and cyclists in a range of other highway authority functions. The first stage requires local authorities to produce an Existing Routes Map (ERM) for each 'designated area' and submit these to Welsh Government by 22 January 2016. Consideration will be made of any adopted ERMs in the future, as part of any updates to the NMU Context Report and the subsequent NMU Audit Report.

8.2 Regional Policy

Mid Wales Joint Local Transport Plan 2015

The Local Transport Plan has been jointly prepared by the Mid Wales Local Authorities of Powys, Ceredigion and Gwynedd (for Meirionnydd) in response to the Welsh Government requirement for LTPs to be submitted by the end of January 2015. The plan preparation has been overseen by TraCC as a current Joint Committee of the local authorities for transport. The Plan is a statutory document for transport in the region.

The Plan aims to address the key issues and opportunities for Mid Wales:

- Difficulties in gaining access to employment and services, particularly for those without a car and because of the need to travel long distances;
- Poor opportunities for passing, pinch point and constraints on the strategic road network lead to increased journey times and reduced journey time reliability for the movement of people and goods within the region and to key destinations outside of Mid Wales

- Increased risks to the resilience of the network through impacts of climate change, including flood risk
- Opportunities to increase mode share by active travel modes and to improve the health and well-being of the local community and to continue to improve the road safety record

The plan identifies within its issues and constraints section that the nature of the road network is such that alternative routes often involve a considerable detour for traffic. It is stated that the closure of the Dyfi Bridge due to flooding means isolation for the residents of Meirionnydd, notably from essential hospital services in Aberystwyth.

In the plan's medium and longer term aspirations, it is stated that the local authorities will want to continue to work closely with Welsh Government to bring forward the improvements to the strategic connection issues – the A487 Dyfi Crossing for example – some of which will be implemented beyond 2020 given their scale and level of investment.

Walking and Cycling Strategy for Mid-Wales (2012)

TraCC published the Walking and Cycling Strategy for Mid-Wales in 2012. The overarching aim is to invest in walking and cycling projects and initiatives in order to achieve the following:

- Improve the health and wellbeing of Mid Wales residents;
- Reduce car use and carbon and other environmental impacts of travel;
- Improve accessibility to and between key settlements, public transport interchanges, employment, education, and services and facilities;
- Encourage economic development through enhancing tourism, leisure and recreation infrastructure;
- Influence travel decisions of present and future transport users through land use planning and travel behaviour initiatives.

8.3 Local Policy

Powys County Council Rights of Way Improvement Plan (2007)

Powys County Council (PCC) published its first Rights of Way Improvement Plan (PROWIP) in 2007.

Under Section 60 of the Countryside and Rights of Way Act 2000 (the 'CROW' Act), every local authority is required to prepare and publish a Rights of Way Improvement Plan for the management, provision and promotion of the public rights of way in their areas. The aims of each plan are to extend the network and improve the connectivity of the routes, to improve accessibility for all users and to improve local awareness of the Public Rights of Way Network within each area.

PCC's PROWIP states a series of 10-year objectives based on the following aims:

- Condition of the Public Rights of Way Network
 - To have an open, easy to use and well-signed public rights of way network.
 - Effectively manage, monitor and maintain opened paths in a satisfactory condition.
- Management and Enforcement of Public Rights of Way and Access Land
 - Take all reasonable steps to improve access for all.
 - Identify and develop local, circular routes around settlements.
 - Improve and increase access onto and across Access Land.
 - Ensure the long-term success of the recreational trails in Powys.
- Definitive Map and Statement
 - Achieve an accurate and up-to-date Definitive Map and Statement.
 - Make the Definitive Map and Statement widely available in appropriate formats.
- Publicity and Promotion
 - Increase the range and quality of public information in a variety of formats.

Gwynedd Rights of Way Improvement Plan (2007)

Gwynedd County Council (GCC) published its first Rights of Way Improvement Plan in 2007.

The Plan was approached as both a challenge and opportunity for the Council to adapt and review the network to meet modern day needs and so to help deliver wider benefits for both Gwynedd's residents and its visitors.

Some of the key issues identified through assessments undertaken as part of the plan included:

- A safe, accessible, easy to use path network is needed;
- An accurate and up-to-date Definitive Map is needed which assures the public what their rights are on any recorded route;
- Better promotion of the path network for all;
- The access opportunities available to horse-riders and cyclists are limited; and
- There is considerable scope for integrating public rights of way issues with other action areas through partnership working.

Eryri Local Development Plan (2007-2022)

The Local Development Plan (LDP) for Snowdonia National Park Authority was formally adopted on 13th July 2011. The Local Development Plan contains strategic policies and development policies which will deliver the long term spatial vision for the future of Snowdonia National Park.

Strategic Policy L: Accessibility and Transport details the National Park Authority's commitment to improving access to local facilities and reduce the need to travel especially by private car. Within the National Park walking and cycling, improved access to public transport and provision of facilities will be encouraged.

Development will be supported where:

- a) The provision of services are located so as to minimise the need to travel.
- b) There is convenient access via footpaths, cycle paths and public transport, thereby encouraging the use of these modes of travel for local journeys, reducing the need to travel by private car and improving the accessibility of services to those with poor availability of transport.
- c) There is an improvement in accessibility for all, in particular disabled people.
- d) Changes to the road network do not damage or cause detrimental effects to ProW, listed buildings or historic monuments or cause adverse effects to environmental designations. The highest priority will be given to the conservation and enhancement of the characteristic biodiversity of Snowdonia, particularly habitats and species designated under national and European legislation. Where possible, these improvements to the road network will feature provision for segregated pedestrian and cycling uses.
- e) It will reduce or remove vehicle traffic from within town centres and where possible from rural areas.
- f) The natural environment of the park is not adversely affected.
- g) Secure cycle parking facilities are provided where appropriate.

8.4 Summary

As this section indicates, the aims of the scheme align to national, regional and local transport planning policies in terms of supporting economic growth, connectivity, accessibility and complementing sustainable travel including walking and cycling for local trips.

The policies detailed above will be considered as part of the scheme specific objectives for NMUs that are set out in final section of this report.

9 Trip Generators

Machynlleth in itself is a trip generator, as a tourist attraction and a base from which many explore Snowdonia and the surrounding area. For the purposes of this report, it is assumed that all journeys made by NMUs would start and finish at home, so residential premises are not considered specific trip generators. Those considered to generate more frequent NMU flows are highlighted in bold.

These are varied and include many of the following:

- Places of Worship
 - St Peters Parish Church
 - Capel Maengwyn
 - Saint Mair Catholic Church
- Supermarkets
 - Heol Maengwyn Spar and Post Office
 - The Co-operative
- Public Houses
- Bus Stops
- Railway Station
 - Machynlleth railway station
- Schools
 - Ysgol Bro Ddyfi
 - Machynlleth Community Nursery
 - Machynlleth Community Primary School
- Community centres and facilities
 - Bro Ddyfi Community Hospital
 - Machynlleth Health Centre
- Leisure Centres and Sports Facilities
 - Machynlleth Bowling Club
 - Bro Dyfi Leisure Centre
- Offices and Industrial Employment Sites
 - Parc Menter Treowain Enterprise Park
- Long distance footpaths and cycle routes
- Forest walks and trails.

Plan 900237-ARP-ZZ-ZZ-DR-YE-00012 included in Appendix A shows the locations of all established trip generators listed above, denoted by type.

10 Public Rights of Way Network

10.1 Introduction

Listed below are the definitions from the UK Government of types of routes which are considered 'Public Rights of Way'.

Footpath If the path is used for walking only, it is a footpath.

This is different from a footway (the pavement alongside a road), in that it means the whole width of the highway. Footpaths are usually just tracks, and are rarely surfaced or lit. They are open to walkers, runners and users of mobility vehicles.

Bridleway Bridleways are legally protected routes that the

public can use on foot or on horseback. Cyclists are permitted to use the bridleways, although through the Countryside Act 1968 there is no obligation to facilitate the cyclists on the routes and they must give way to other users. Horse drawn vehicles are

not permitted.

Byway open to all traffic

(BOAT)

These are open to all forms of traffic; pedestrians, horse riders, cyclists and car and other motor

vehicle drivers.

Restricted byway On these routes there are restrictions on how you

can travel. You are permitted to use the route on foot, horseback, bicycle or horse drawn carriage. You cannot use motorised vehicles along this

route.

Permissive path It is possible for landowners to allow access over

their land without dedicating a right of way. These accesses are called permissive paths. To the user they are often indistinguishable from normal highways. Landowners can specify which user groups are permitted to use these routes, which can include applicate agreeating and padestrians.

include cyclists, equestrians and pedestrians.

Open access land

This is an area with the freedom to roam at will.

Although there are footpaths and trails running across this land, there is no legal obligation for users to follow them. There are a number of exempted activities associated with Open Access land including cycling, horse riding, offroading and walking animals (other than dogs on a leash). The land can be used for these activities if expressly

permitted by the landowner.

Common Land Common land is private land over which both the

landowners and commoners have rights. The

Countryside and Rights of Way Act introduced a right to roam over Common land. Each common often has its own rules with regards to permitted activities.

Green Lane

These can sometimes be referred to as Other Routes with Public Access on mapping. They can either be Byways Open to All Traffic (BOATs) or they can be formed by Unclassified County Roads. In both cases motor vehicles, equestrian users and horse drawn vehicles, cyclists and pedestrians may use the route.

10.2 Promoted Cycling Routes

The 'promoted' NMU routes (those identified or designated as NMU routes by local authorities or Sustrans) within the vicinity are:

- National Cycle Network Route 8 Known as the Lôn Las Cymru, fully open and signed between Cardiff and Holyhead (Anglesey) via Brecon, Builth Wells, Machynlleth, Porthmadog and Bangor.
- National Cycle Network Route 82- Route 82 will run from Bangor to Fishguard when complete. Within the vicinity of the bridge, the route passes along the A493 and is characterised as an on-carriageway route.
- Eurovelo 2 (EV2) is a 5,500 km long-distance cycling route running from Galway, Ireland to Moscow, Russia. This east-west route passes successively through seven countries Ireland, the UK, the Netherlands, Germany, Poland, Belarus and Russia and visits all their capital cities. Within the vicinity of Machynlleth, the EV2 follows the NCN Route 8.
- Mach 1, 2 and 3 mountain biking routes- Of varying length and riding skill levels, the three Mach routes cover the area south of Machynlleth. The routes have no waymarkers, but route maps are available from Dyfi Mountain Biking.

10.3 Promoted Walking Routes

There are a number of promoted walking routes in Powys and Gwynedd.

The Wales Coastal Path passes through Machynlleth. The Wales Coast Path is a long-distance footpath which follows, or runs close to, the majority of the coastline of Wales. Within the local area, the route takes a generally north-south direction, crossing Pont ar Ddyfi.

Glyndŵr's Way is a long distance footpath in mid Wales. It runs for 135 miles (217 km) in an extended loop through Powys between Knighton and Welshpool. The path passes Machynlleth to the southeast.

Other notable walking routes are promoted by Natural Resources Wales, which are predominately recreational and circular. Whilst there are numerous routes in

the area surrounding Machynlleth, none, other than Glyndŵr's Way pass through the town, and none cross the Afon Dyfi at Pont ar Ddyfi.

There is wayfinding provision in the town centre for pedestrians.

10.4 Bridleways

There are no bridleways within the vicinity of the proposed scheme.

10.5 General Condition

The NCN routes are well signposted within the vicinity of the scheme. It has been reported that livestock gates and other barriers along NCN route 8 are a hindrance to cyclists.

11 Views of User Groups

The following parties have been contacted or comment regarding the relevant issues:

Potential Consultations

- Lloyds Coaches
- Arriva Trains Wales
- Ramblers Cymru
- Powys Ramblers
- Long Distance Walkers Association
- Snowdonia National Park Authority
- Snowdonia Walking Groups
- Sustrans
- Cyclists' Touring Club
- Dyfi Valley MTB Club
- Summit Cycles (local bike shop)
- British Horse Society
- Carreg Dressage
- Disability Wales
- RNIB
- Centre for Alternative Technology
- Ysgol Bro Ddyfi
- Gwynedd CC
- Powys CC
- Natural Resources Wales

It is important that the scheme takes into account the needs of existing and future NMU travellers.

No responses relevant to NMUs have been received to date.

12 Conflict Points

Obstacles and obstructions to desire lines can include natural and manmade features, including hills, rivers, busy roads and railways. Accessibility problems can also be significant barriers to movement for those who have special requirements. There are a number of areas around the bridge where tactile paving, and/or dropped kerbs have not been provided, or stepped access is the only means of accessing areas.

Barriers to movement can present major safety issues for some of the most vulnerable road users, either resulting in risky behaviour or avoidance of travel. The latter can be a cause of social isolation. The following are considered to be the key obstacles and obstructions to desire lines within the study area:

- a) Cambrian Railway Line
- b) Afon Dyfi
- c) Steep gradients in and around the study area;
- d) Seasonal flood risk
- e) A487
- f) A493

Overall it can be seen that there are a number of barriers to movement. The intersection of these barriers with NMU routes and desire lines are the most likely points of conflict for NMUs.

The most critical conflict points for NMUs exist where they come into direct conflict with vehicles. This includes where there is insufficient footway provision or poor/no crossing facilities.

Conflict points can be managed by providing appropriate crossings and routes for NMUs to either avoid the conflict or manage it to an acceptable level of risk.

13 Scheme Objectives

The following Scheme Objectives for NMUs are proposed in respect of the proposed new section of the A487, north of Machynlleth, for the proposed A487 New Dyfi Bridge and tie-in junctions.

Provision for pedestrians, cyclists, and equestrians would take due account of design standards, including Active Travel (Wales) Act Design Guidance, Design Manual for Roads and Bridges, and any relevant documents referred to therein.

In the context of the specific objectives set out below, all facilities directly provided by the scheme would, within reason, be accessible, attractive for use, coherent, comfortable, convenient, direct, and safe for users to use. All of these parameters should be considered in the overall context of the provision being made, and pre-existent on the surrounding network.

- 1. Ensure safe, accessible and direct crossing facilities with clear wayfinding are provided at the both ends of new bridge to cater for the cyclists and pedestrians using this part of the network, including the NCN routes.
- 2. NMU access along NCN8 / B4404 shall be maintained throughout the construction period. During periods of closure, reasonable safe, accessible, well way marked diversion routes shall be provided.
- 3. NMU access along NCN80/82/A493 shall be maintained throughout the construction period. During periods of closure, reasonable safe, accessible, well way marked diversion routes shall be provided.
- 4. NMU access along footpath along southern side of Afon Dyfi shall be maintained throughout the construction period. During periods of closure, reasonable safe, accessible, well way marked diversion routes shall be provided.
- 5. NMU access along A487 shall be maintained throughout the construction period. During periods of closure, reasonable safe, accessible, well way marked diversion routes shall be provided.
- 6. During times of flooding, provide suitable, safe and convenient route across Afon Dyfi.

14 Summary

The proposed A487 New Dyfi Bridge provides a suitable opportunity for Welsh Government to rationalise the provision of new facilities within the proposed highway scheme.

The scheme will be assessed in the context of these objectives at a number of stages through the project life. It is proposed that NMU audits which should take place at the following stages of the design and construction process:

- Preliminary design: following the completion of preliminary design, prior to the Stage 1 Road Safety Audit.
- Detailed design: following the completion of detailed design, prior to the Stage 2 Road Safety Audit.
- Post construction: following completion of construction. This should accompany the Stage 3 Road Safety Audit, and should be completed prior to the undertaking of any Stage 4 Road Safety Audit.

14.1 Declarations

We confirm that this Context Report has been prepared in accordance with the terms set out in HD 42/05 and that the objectives set out for agreement by the Project Sponsor have been set with due regard for the existing conditions for Non-Motorised Users.

NMU Audit Leader

Design Team Leader

14/01/2016

14/01/2016

Simon Westwood NMU Audit Leader

Signed by: simon westwood

Chris Furneaux

Associate

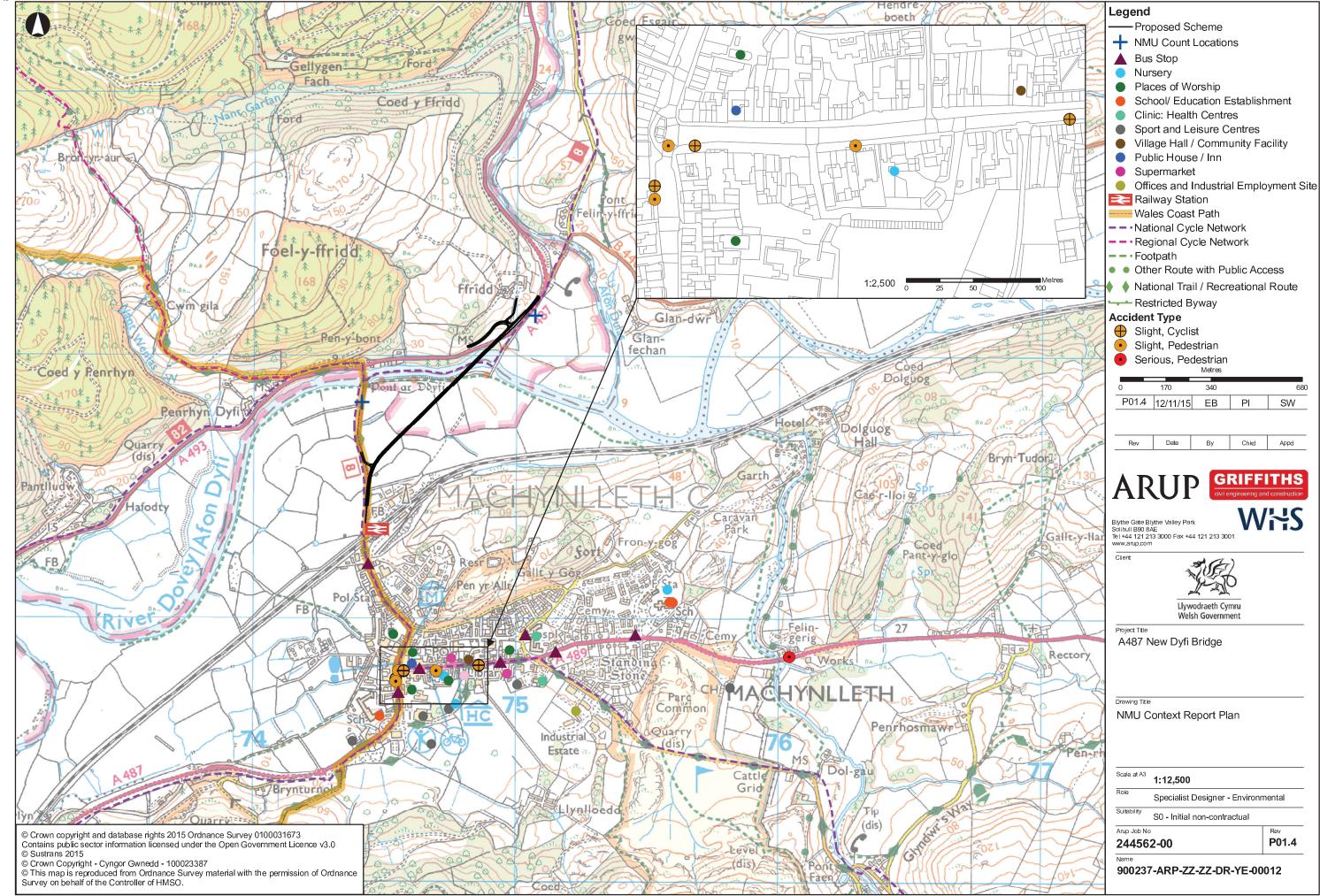
Signed by: chris.furneaux

Simon Westwood CEng MICE

Chris Furneaux CEng MICE

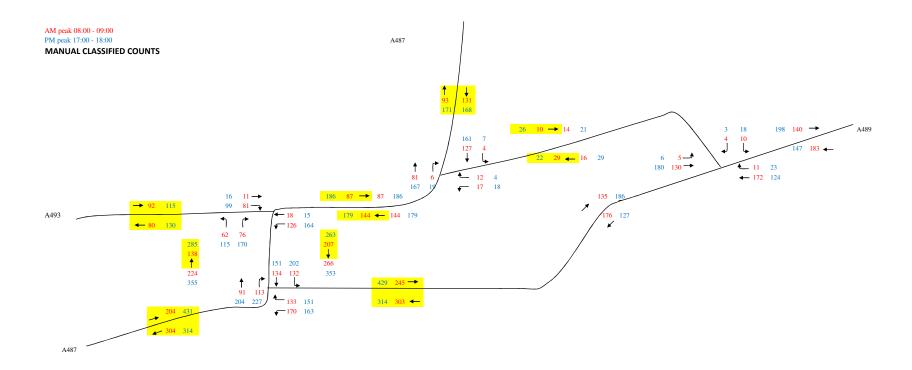
Appendix A

NMU Context Report Plan 900237-ARP-ZZ-ZZ-DR-YE-00012



Appendix B

Vehicle Surveyed Flows



MANUAL CLASSIFIED COUNTS MANUAL CLASSIFIED COUNTS MANUAL CLASSIFIED COUNTS

JOB R 1508 15 JOB N MACHYNLLETH JOB N MACHYNLLETH JOB N MACHYNLLETH

JOB R 1508 15

SITE: 1 DATE: 17/09/2015 SITE: 1 DATE: 17/09/2015 SITE: 1 DATE: 17/09/2015

LOCA1 A487 / HEOL PENTRENHEDYN / HEOL MAENGWYN DAY: THURSDAY LOCATA487 / HEOL PENTRENHEDYN / HEOL MAENGWYN DAY: THURSDAY LOCA1A487 / HEOL PENTRENHEDYN / HEOL MAENGWYN DAY: THURSDAY

JOB R 1508 15

MOVEMENT 1 TIME FROM A487 TO HEOL MAENGWYN	MOVEMENT 2 FROM A487 TO HEOL PENTRENHEDYN TI	MOVEMENT 3 FROM HEOL PENTRENHEDYN TO A487	MOVEMENT 4 FROM HEOL PENTRENHEDYN TO HEOL MAENGWYN TIME FROM HEOL MAENGWYN TO HEOL PENTRENHEDYN	MOVEMENT 6 FROM HEOL MAENGWYN TO A487	Time Total
CAR LGV OGV1 OGV2 PSV MCL PCL TOT	CAR LGV OGV1 OGV2 PSV MCL PCL TOT	CAR LGV OGV1 OGV2 PSV MCL PCL TOT	CAR LGV OGV1 OGV2 PSV MCL PCL TOT CAR LGV OGV1 OGV2 PSV MCL PCL TOT	CAR LGV OGV1 OGV2 PSV MCL PCL TOT	
7:00 7 5 1 0 0 0 0 13	4 6 1 1 0 0 0 12 7:		3 1 0 1 0 0 0 5 7.00 5 5 2 1 0 0 0 13	13 7 2 0 1 0 0 23	7:00 73
7:15 15 6 0 0 1 0 0 22	14 6 2 3 3 0 0 28 7	15 7 1 2 1 2 0 0 13	13 6 0 0 0 0 0 19 7:15 17 6 2 2 1 0 0 28	10 4 0 0 2 0 0 16	7:15 126
7:30 12 4 2 1 1 1 0 21	13 1 1 0 1 1 0 17 7		11 3 1 1 1 1 0 18 7:30 22 10 0 0 2 0 0 34	10 10 1 0 0 0 0 21	7:30 124
7:45 15 6 1 0 0 0 0 22	22 5 1 0 1 0 0 29 7	- 14 3 1 1 1 0 0	18 6 3 0 0 0 0 27 7.45 37 6 3 2 0 0 0 48	14 10 0 0 1 0 0 25	7:45 172 495 42 8%
H/TOT 49 21 4 1 2 1 0 78 8:00 23 6 2 0 0 0 1 32		OT 33 10 5 2 4 0 0 54	8 2 3 0 0 0 0 13 8:00 32 3 2 0 1 0 0 38	47 31 3 0 4 0 0 85 18 6 3 0 2 0 0 29	8:00 156 8:15 156
8:00 23 6 2 0 0 0 1 32 8:15 23 4 1 2 0 0 0 30	22 5 0 1 0 0 0 28 8: 17 12 0 0 0 0 0 29 8:		8 2 3 0 0 0 0 13 8:00 32 3 2 0 1 0 0 38 7 6 0 1 0 0 0 14 8:15 23 8 1 0 0 0 0 32	18 6 3 0 2 0 0 29	8:30 228
8:30 28 5 1 0 0 0 0 34		80 21 3 3 1 1 0 0 29	32 11 1 0 1 0 0 45 8:30 37 9 2 1 1 0 0 50	22 5 1 0 0 0 2 30	8:45 233 773 43 6%
8:45 26 9 1 0 0 0 36	28 6 0 1 2 0 0 37 8:	15 11 6 2 2 1 0 0 22	34 4 1 0 2 0 0 41 8:45 37 11 2 0 0 0 0 50	30 14 0 1 2 0 0 47	9:00 176
H/TOT 100 24 5 2 0 0 1 132		OT 59 17 5 6 4 0 0 91	81 23 5 1 3 0 0 113 H/TOT 129 31 7 1 2 0 0 170	83 36 7 1 4 0 2 133	9:15 171
9:00 23 8 0 0 1 1 0 33	15 6 1 0 1 0 0 23 9:		14 4 2 0 0 0 0 20 9:00 29 5 1 0 0 0 35	27 8 6 0 1 0 0 42	9:30 186
9:15 25 4 1 0 0 0 0 30 9:30 28 5 0 0 0 0 0 33	20 2 1 0 3 0 0 26 9: 26 4 1 0 2 0 0 33 9:		25 8 2 0 2 2 0 39 9:15 23 4 0 1 1 0 0 29 13 7 3 0 0 0 0 23 9:30 33 5 2 0 0 0 0 40	17 5 0 0 0 1 0 23 13 5 0 0 2 0 0 20	9:45 215 748 30 4% 10:00 208
9:50 28 5 0 0 0 0 0 33 9:45 17 9 1 0 0 0 0 27	26 4 1 0 2 0 0 33 9: 38 8 0 0 1 0 0 47 9:		28 3 2 0 3 0 0 36 945 30 7 0 1 0 0 0 38	13 5 0 0 2 0 0 20	10:15 207
H/TOT 93 26 2 0 1 1 0 123	99 20 3 0 7 0 0 129 H/		80 22 9 0 5 2 0 118 H/TOT 115 21 3 2 1 0 0 142	81 29 8 0 4 1 0 123	10:30 235
10:00 21 10 2 1 0 0 0 34	28 4 0 0 1 0 0 33 10	00 20 3 1 2 1 0 0 27	30 5 2 0 0 0 0 37 10:00 29 10 2 0 0 0 0 41	25 7 3 1 0 0 0 36	10:45 210 860 50 6%
10:15 35 5 1 0 1 0 0 42	22 3 1 0 1 2 0 29 10		17 4 2 1 0 0 0 24 10:15 23 6 2 0 0 0 0 31	24 12 2 0 2 1 0 41	11:00 219
10:30 24 10 1 0 0 0 0 35	50 12 0 0 1 0 0 63 10		20 6 0 0 0 0 0 26 10:30 27 7 2 0 0 2 0 38	27 3 4 0 0 0 0 34	11:15 211
10:45 25 5 3 0 0 0 0 33 H/TOT 105 30 7 1 1 0 0 144	36 6 0 1 0 0 0 43 10	23 0 2 0 0 0 0 0	23 7 1 0 0 0 0 31 10.45 34 3 4 0 0 1 0 42 90 22 5 1 0 0 0 118 H/TOT 113 26 10 0 0 3 0 152	19 8 3 0 0 0 0 30	11:30 216 11:45 207 853 55 6%
H/TOT 105 30 7 1 1 0 0 144 11:00 26 5 1 0 1 0 0 33	136 25 1 1 3 2 0 168 H/ 39 4 0 1 1 0 0 45 11		90 22 5 1 0 0 0 118 H/TOT 113 26 10 0 0 3 0 152 29 4 1 2 0 0 0 36 11:00 31 0 0 0 0 0 31	95 30 12 1 2 1 0 141 19 4 2 2 0 0 0 27	11:45 207 853 55 6% 12:00 218
11:15 21 3 1 0 0 0 0 25	39 5 2 1 5 8 0 60 11		17 3 3 0 3 0 0 26 11:15 18 5 0 0 3 0 0 26	35 3 1 1 0 1 0 41	12:15 214
11:30 33 4 2 0 0 0 0 39		30 28 3 2 0 2 1 0 36	17 2 3 2 0 0 0 24 11:30 33 9 4 0 2 0 0 48	23 11 2 0 1 1 0 38	12:30 228
11:45 33 8 4 0 0 0 0 45	30 8 1 2 1 0 0 42 11	45 29 3 1 0 0 0 0 33	27 5 3 0 0 0 0 35 11:45 26 3 1 1 0 0 0 31	18 3 0 0 0 0 0 21	12:45 229 889 39 4%
H/TOT 113 20 8 0 1 0 0 142	133 21 5 4 7 8 0 178 H/	U 110 14 8 1 J 4 0 1.0	90 14 10 4 3 0 0 121 H/TOT 108 17 5 1 5 0 0 136	95 21 5 3 1 2 0 127	13:00 202
12:00 21 8 1 0 1 0 0 31	35 2 4 2 1 2 0 46 12		15 7 2 0 0 0 0 24 12:00 31 5 0 1 0 0 0 37 25 5 0 0 0 0 1 0 31 12:15 19 8 4 0 1 0 0 32	36 10 1 1 0 0 0 48	13:15 208
12:15 26 9 0 1 1 0 0 37 12:30 26 5 3 0 0 4 0 38	29 1 2 1 1 0 0 34 12 32 8 0 1 0 0 0 41 12		25 5 0 0 0 1 0 31 12:15 19 8 4 0 1 0 0 32 32 34 3 0 0 0 0 0 0 37 12:30 27 3 1 0 0 0 0 31	36 12 0 0 1 1 0 50 33 3 2 0 0 2 0 40	13:30 199 13:45 209 818 29 4%
12:45 24 15 0 0 0 1 0 40	20 2 2 0 0 0 0 25 12		34 3 0 0 0 0 0 37 1230 27 3 1 0 0 0 0 31	38 13 1 0 0 0 0 52	14:00 214
H/TOT 97 37 4 1 2 5 0 146	116 14 8 4 2 2 0 146 H/	OT 108 18 5 2 3 4 0 140	100 22 3 0 0 1 0 126 H/TOT 110 23 6 1 1 0 0 141	143 38 4 1 1 3 0 190	14:15 247
13:00 28 4 0 0 1 1 0 34	32 4 1 2 1 0 0 40 13	00 27 4 0 0 0 1 0 32	19 3 1 1 0 0 0 24 13:00 28 7 0 0 0 0 35	29 6 0 0 1 1 0 37	14:30 223
13:15 29 9 2 1 1 0 0 42	28 3 0 0 3 0 0 34 13		21 5 1 0 1 0 0 28 13:15 23 3 0 0 0 1 0 27	32 5 1 0 0 0 0 38	14:45 239 923 45 5%
13:30 38 4 3 0 0 0 0 45	24 2 0 0 1 0 0 27 13		30 6 1 0 0 0 0 37 13:30 18 4 0 0 0 2 0 24	32 1 0 0 0 2 0 35	15:00 253
13:45 31 6 3 0 0 0 0 40 H/TOT 126 23 8 1 2 1 0 161	31 1 0 1 1 0 0 34 13		22 5 1 0 0 0 0 28 1345 29 4 3 0 0 0 0 36 92 19 4 1 1 0 0 117 H/TOT 98 18 3 0 0 3 0 122	29 8 1 0 1 0 0 39 122 20 2 0 2 3 0 149	15:15 231 15:30 268
14:00 39 8 0 0 1 0 0 48	18 4 0 0 1 0 0 23 14		18 7 2 0 0 0 0 27 14:00 29 6 2 0 0 0 0 37	32 4 2 0 0 0 0 38	15:45 210 962 27 3%
14:15 35 9 0 1 1 6 0 52	25 5 3 1 4 1 0 39 14		26 9 2 0 0 0 0 37 14:15 31 2 1 0 0 0 34	31 6 1 0 0 0 0 38	16:00 217
14:30 27 7 0 0 0 0 0 34	23 5 1 0 0 0 0 29 14	30 26 5 2 1 1 1 0 36	28 7 1 0 0 0 0 36 1430 25 10 1 1 1 0 0 38	33 14 1 1 1 0 0 50	16:15 267
14:45 38 6 2 0 0 0 46	27 5 2 1 0 0 0 35 14		27 9 0 0 1 0 0 37 14:45 29 3 3 1 0 1 0 37	34 7 0 0 0 2 0 43	16:30 263
H/TOT 139 30 2 1 2 6 0 180		OT 120 21 10 5 6 3 0 165	99 32 5 0 1 0 0 137 H/TOT 114 21 7 2 1 1 0 146	130 31 4 1 1 2 0 169	16:45 256 1003 24 2%
15:00 40 10 1 0 2 0 0 53 15:15 25 6 1 0 1 0 0 33	15 6 1 0 0 0 0 22 15 28 6 1 2 3 0 0 40 15		46 10 1 0 0 0 0 57 15:00 36 4 2 1 1 1 0 45 32 11 3 0 1 1 0 48 15:15 28 7 0 1 1 0 0 37	28 3 1 0 1 1 0 34 28 4 1 0 0 0 0 33	17:00 261 17:15 310
15:30 34 8 2 0 0 0 0 44	24 5 3 0 0 0 0 32 15	30 0 1 0 1 0 0	31 7 1 0 1 0 3 43 15:30 40 14 1 0 3 2 0 60	37 6 0 0 0 0 0 43	17:30 276
15:45 28 8 0 0 0 0 0 36	31 5 0 0 0 0 0 36 15	45 32 8 1 0 0 0 0 41	23 9 1 0 0 0 0 33 15:45 25 5 1 0 0 0 0 31	28 5 0 0 0 0 0 33	17:45 251 1098 25 2%
H/TOT 127 32 4 0 3 0 0 166	98 22 5 2 3 0 0 130 H/		132 37 6 0 2 1 3 181 H/TOT 129 30 4 2 5 3 0 173	121 18 2 0 1 1 0 143	18:00 254
16:00 29 5 0 0 1 0 0 35	26 3 1 0 2 2 0 34 16		31 8 2 0 0 0 0 41 16:00 24 8 0 1 0 1 0 34	25 4 0 0 1 0 0 30	18:15 188
16:15 33 4 1 0 1 0 0 39 16:30 44 16 0 0 0 1 0 61	26 4 0 1 0 0 0 31 16 28 8 2 1 1 0 0 40 16		37 15 0 0 1 0 0 53 16:15 40 8 2 0 1 0 0 51 42 4 1 0 0 1 0 48 16:30 26 4 0 1 1 0 0 32	29 6 2 0 0 0 0 37	18:30 196
16:30 44 16 0 0 0 1 0 61 16:45 49 8 2 0 1 0 0 60	28 8 2 1 1 0 0 40 16	30 29 9 3 0 2 0 0 43	42 4 1 0 0 1 0 48 1630 26 4 0 1 1 0 0 32	32 6 1 0 0 0 0 39	18:45 147 785 9 1% 4%
H/TOT 155 33 3 0 3 1 0 195	100 20 3 2 3 3 0 131 H/	OT 155 26 3 2 5 1 0 192	143 32 3 0 1 1 0 180 H/TOT 121 32 2 2 2 1 0 160	115 25 4 0 1 0 0 145	470
17:00 30 9 0 0 3 1 0 43	31 8 0 2 1 0 0 42 17		29 10 1 1 0 7 0 48 17:00 36 7 2 0 0 0 0 45	28 14 1 0 1 0 0 44	
17:15 37 11 2 0 0 0 50	32 7 0 0 0 1 0 40 17		62 8 3 0 0 0 0 73 17:15 34 7 1 1 0 0 0 43	29 7 0 0 0 1 0 37	
17:30 44 8 2 0 3 2 0 59	28 5 0 0 2 0 0 35 17		38 8 0 0 0 0 0 46 17:30 37 8 1 0 0 0 46	32 3 0 0 1 0 0 36	
17:45 43 7 0 0 0 0 0 50	29 3 0 1 0 1 0 34 17		54 5 1 0 0 0 0 60 17.45 25 3 0 1 0 0 0 29	24 7 1 0 0 0 2 34	
H/TOT 154 35 4 0 6 3 0 202 18:00 52 6 0 0 0 0 0 58	120 23 0 3 3 2 0 151 H/ 22 3 0 1 0 0 0 26 18		183 31 5 1 0 7 0 227 H/TOT 132 25 4 2 0 0 0 163 42 2 1 0 0 0 0 45 1800 39 5 0 0 0 0 0 44	113 31 2 0 2 1 2 151 27 5 0 0 0 0 0 0 32	
18:15 28 9 0 0 0 2 0 39	27 1 0 0 2 0 0 30 18		30 2 1 0 0 0 0 33 1815 18 7 0 0 0 0 0 25	26 4 0 0 0 0 0 32	
18:30 34 5 0 0 0 2 1 42	14 1 1 0 0 1 0 17 18		34 3 0 1 0 0 0 38 1830 31 2 0 0 0 0 33	31 7 0 0 0 0 0 38	
18:45 29 4 0 0 0 0 0 33		45 15 2 0 0 1 0 0 18	20 5 1 1 0 0 0 27 18:45 24 0 0 0 0 0 24	19 6 0 0 0 0 0 25	
H/TOT 143 24 0 0 0 4 1 172	82 5 2 1 2 1 0 93 H/	OT 107 14 1 0 3 1 0 126	126 12 3 2 0 0 0 143 H/TOT 112 14 0 0 0 0 0 126	103 22 0 0 0 0 0 125	
P/TOT 1401 335 51 7 23 22 2 1841	1241 227 40 28 51 20 0 1607 P/	OT 1303 221 55 27 52 16 0 1674	1261 282 62 12 17 13 3 1650 P/TOT 1362 285 58 18 20 11 0 1754	1248 332 53 7 23 14 4 1681	

 108 R 1508 15
 108 R 1508 15
 108 R 1508 15

 108 N MACHYNLETH
 108 N MACHYNLETH
 108 N MACHYNLETH

SITE: 2 DATE:17/09/2015 SITE: 2 DATE:17/09/2015 SITE: 2 DATE:17/09/2015 SITE: 2 DATE:17/09/2015

LOCAIA493 / 487 DAY: THURSDAY DAY: THURSDAY

MOVEMENT 1	MOVEMENT 2	MOVEMENT 3	MOVEMENT 4 MOVEMENT 5	MOVEMENT 6	Time Total
TIME FROM A493 TO A487 (NE) CAR LGV OGV1 OGV2 PSV MCL PCL TOT	FROM A493 TO A487 (S) CAR LGV OGV1 OGV2 PSV MCL PCL TOT	IME	FROM A487 (S) TO A487 (NE) CAR LGV OGV1 OGV2 PSV MCL PCL TOT CAR LGV OGV1 OGV2 PSV MCL PCL TOT	FROM A487 (NE) TO A493 CAR LGV OGV1 OGV2 PSV MCL PCL TOT	
7:00 0 0 0 0 0 0 0 0 0 0		CAR LEGY OGVI OGVZ PSV MICL PCL TOT	CAR LGV OGV1 OGV2 PSV MCL PCL TOT CAR LGV OGV1 OGV2 PSV MCL PCL TOT 6 2 1 0 0 0 0 9 7:00 4 2 1 2 0 0 0 9	0 0 0 0 0 0 0 0 0	7:00 35
7:15 0 0 1 0 0 0 0 1		215 6 2 0 0 2 0 0 10	8 2 1 1 0 0 0 0 9 730 4 2 1 2 0 0 0 9		7:15 66
7:30 3 0 0 0 0 0 0 3		130 2 3 1 0 0 0 0 6	8 6 1 0 1 0 0 16 7:30 13 4 1 1 0 1 0 20	1 3 0 0 0 0 4	7:30 59
7:45 2 0 0 0 0 0 0 2		145 7 8 1 0 1 0 0 17	15 8 1 2 1 1 1 29 7:45 20 3 0 0 0 0 0 23	1 0 0 0 0 0 0 1	7:45 86 246 20 8%
H/TOT 5 0 1 0 0 0 6	31 15 0 1 1 0 1 49 H	/TOT 19 14 2 0 3 0 0 38	37 18 4 3 2 1 1 66 H/TOT 56 14 4 5 2 1 0 82	2 3 0 0 0 0 0 5	8:00 77
8:00 0 0 1 0 0 0 0 1	15 4 0 0 0 0 0 19	1:00 9 3 0 0 0 0 0 12	7 1 1 0 3 0 0 12 8:00 17 7 3 1 0 0 1 29	2 1 1 0 0 0 0 4	8:15 90
8:15 2 0 1 0 0 0 3		1:15 9 3 0 0 0 0 0 12	8 7 0 3 1 0 0 19 8:15 20 8 0 0 0 0 0 28	5 2 0 0 0 0 0 7	8:30 105
8:30 2 0 0 0 0 0 0 2		1:30 10 4 3 0 0 0 0 17	14 5 2 1 0 0 0 22 8:30 23 9 0 0 4 0 0 36	1 1 1 0 0 0 0 3	8:45 102 374 30 8%
8:45 5 0 0 0 0 0 0 5		145 11 8 0 2 0 0 0 21	13 6 2 2 0 0 0 23 8.45 25 7 0 1 0 0 0 33	3 0 1 0 0 0 0 4	9:00 80
H/TOT 9 0 2 0 0 0 0 11	64 12 3 1 1 0 0 81 H	/TOT 39 18 3 2 0 0 0 62	42 19 5 6 4 0 0 76 H/TOT 85 31 3 2 4 0 1 126	11 4 3 0 0 0 0 18	9:15 102
9:00 2 0 0 0 0 0 0 2		1:00 5 2 2 0 1 0 0 10	18 3 2 0 0 0 0 23 9:00 16 7 1 0 0 1 0 25	2 0 0 0 0 0 0 2	9:30 90
9:15 4 1 1 0 0 0 0 6 9:30 2 0 0 0 0 0 0 2		1:15 11 2 3 0 0 0 0 16 1:30 10 4 0 0 0 0 0 14	12 6 1 0 0 0 0 19 9:15 22 8 1 0 1 0 0 32 21 5 0 1 1 0 0 28 9:30 21 5 1 0 1 0 0 28	6 1 1 0 0 0 0 8	9:45 114 386 17 4% 10:00 114
9:30 2 0 0 0 0 0 0 2		190 10 4 0 0 0 0 0 14	21 5 0 1 1 0 0 28 9:50 21 5 1 0 1 0 0 28	0 0 0 0 0 0 0	10:15 139
H/TOT 12 1 1 0 0 0 0 14	10 3 0 0 0 0 0 0	/TOT 42 12 7 0 1 0 0 62	20 / 0 0 0 0 0 27 3/45 24 12 0 1 0 0 0 37	0 4 4 0 0 0 0 1	10:30 124
10:00 5 0 1 0 0 0 0 6	00 11 0 0 1 0 0 1	000 10 4 2 0 0 0 0 16	18 5 2 1 1 0 0 27 1000 25 4 1 0 1 1 0 32	2 2 0 0 0 0 5	10:35 124
10:15 4 2 0 0 0 0 0 6		0.15 21 2 1 0 1 1 0 26	31 3 2 0 1 0 0 37 1015 25 2 0 0 0 1 0 28	2 3 3 0 0 0 0 8	11:00 121
1030 5 0 1 0 0 0 6		0.30 15 2 2 0 0 0 0 19	19 4 2 1 1 0 0 27 1030 25 13 1 0 0 0 39	1 1 1 0 0 0 0 3	11:15 141
10:45 3 1 0 0 0 0 0 4		0.45 11 4 1 0 0 0 0 16	29 4 2 0 0 1 0 36 10.45 39 6 0 1 0 0 0 46	3 1 0 0 0 0 0 4	11:30 137
H/TOT 17 3 2 0 0 0 0 22	86 26 2 1 1 0 0 116 H	/TOT 57 12 6 0 1 1 0 77	97 16 8 2 3 1 0 127 H/TOT 114 25 2 1 1 2 0 145	9 7 4 0 0 0 0 20	11:45 110 509 27 5%
11:00 7 1 1 0 0 0 0 9	23 3 2 0 0 0 0 28 1	100 13 4 1 0 1 0 0 19	18 5 3 2 1 1 0 30 11:00 23 4 0 0 0 2 0 29	2 3 0 0 0 0 1 6	12:00 126
11:15 3 0 0 0 0 1 0 4		1:15 18 3 1 0 0 1 0 23	30 4 2 2 1 0 0 39 11:15 27 4 3 1 1 5 1 42	2 3 0 0 0 0 0 5	12:15 126
11:30 7 2 0 0 0 0 0 9		1:30 18 3 0 0 0 2 0 23	30 8 2 0 1 1 0 42 11:30 26 7 0 0 0 0 33	5 0 0 0 0 0 0 5	12:30 124
11:45 6 0 0 0 0 0 6	20 3 0 1 0 0 0 2	1:45 17 4 0 0 0 0 0 21	15 1 1 1 0 0 1 19 11:45 27 7 0 2 1 0 0 37	3 0 0 0 0 0 3	12:45 119 495 29 6%
H/TOT 23 3 1 0 0 1 0 28	04 15 4 1 1 0 0 1	/TOT 66 14 2 0 1 3 0 86	93 18 8 5 3 2 1 130 H/TOT 103 22 3 3 2 7 1 141	12 6 0 0 0 0 1 19	13:00 119
12:00 2 0 0 0 0 0 0 2		2:00 21 3 0 0 0 0 0 24	28 2 0 1 0 0 0 31 12:00 28 3 4 0 1 2 0 38	5 0 0 0 0 0 0 5	13:15 111
12:15 0 0 0 0 0 0 0 0		2:15 23 6 0 0 1 0 0 30	30 3 1 0 1 4 0 39 12:15 26 7 0 2 0 0 0 35	1 1 0 0 0 0 0 2	13:30 112
12:30 3 1 1 0 0 0 0 5		2:30 18 1 0 0 0 1 0 20	26 2 3 0 0 1 0 32 12:30 28 5 2 0 0 4 0 39	5 1 0 0 0 0 0 6	13:45 124 466 19 4%
12:45 3 2 0 0 0 0 5	2, 3, 0, 0, 0, 0, 12, 1	2.45 20 4 2 0 0 0 0 26	31 1 1 4 0 0 0 37 12:45 20 5 0 1 0 0 0 26	5 0 0 0 0 0 0 5	14:00 116
H/TOT 8 3 1 0 0 0 0 12		/TOT 82 14 2 0 1 1 0 100	115 8 5 5 1 5 0 139 H/TOT 102 20 6 3 1 6 0 138	16 2 0 0 0 0 0 18	14:15 136
13:00 4 3 1 0 0 0 0 8 13:15 2 1 0 0 0 0 0 3		3:00 13 5 0 0 0 0 0 18 3:15 21 3 0 0 0 0 0 24	34 4 0 0 0 0 0 0 38 13:00 28 5 1 1 0 0 1 36 35 5 1 1 0 0 0 42 13:15 20 4 1 0 1 0 0 26	2 0 1 0 0 0 0 3	14:30 108 14:45 102 462 27 6%
13:15 2 1 0 0 0 0 0 3		3:15 21 3 0 0 0 0 0 24 3:30 16 4 0 0 0 2 0 22	35 5 1 1 0 0 0 42 13:15 20 4 1 0 1 0 0 26 17 6 0 0 1 0 0 24 13:30 29 4 1 0 0 0 0 34	1 1 0 0 0 0 0 2	15:00 119
13:45 2 0 0 0 0 0 0 2		345 12 4 2 0 0 0 2 0 18	24 9 2 0 0 0 0 35 1335 27 8 0 1 1 0 0 37	2 1 1 0 0 0 0 4	15:15 124
H/TOT 16 6 1 0 0 0 0 23	11 1 1 0 0 0 0 1	/TOT 62 16 2 0 0 2 0 82	110 24 3 1 1 0 0 139 H/TOT 104 21 3 2 2 0 1 133	10 2 2 0 0 0 0 15	15:30 123
14:00 2 4 0 0 0 0 6	33 3 3 1 1 1 0 1	400 20 3 1 1 0 0 0 25	21 4 2 0 0 0 0 27 14:00 20 5 1 2 1 0 0 29	2 0 0 0 0 0 0 2	15:45 110 476 16 3%
14:15 5 0 0 0 0 0 0 5		415 19 4 1 1 0 0 0 25	27 13 1 3 2 0 0 46 14:15 26 11 0 0 0 7 0 44	4 1 0 0 0 0 0 5	16:00 125
14:30 0 2 1 0 0 0 0 3		430 16 4 1 0 0 0 0 21	19 7 1 1 1 0 0 29 1430 22 5 0 1 0 0 0 28	2 1 0 0 0 0 0 3	16:15 139
14:45 0 0 0 0 0 3 0 3	14 3 0 0 0 0 0 17 1	4:45 21 1 0 0 0 2 0 24	18 8 2 0 0 2 0 30 14:45 17 3 4 0 0 0 0 24	3 1 0 0 0 0 0 4	16:30 134
H/TOT 7 6 1 0 0 3 0 17	63 12 3 0 0 1 0 79 H	/TOT 76 12 3 2 0 2 0 95	85 32 6 4 3 2 0 132 H/TOT 85 24 5 3 1 7 0 125	11 3 0 0 0 0 0 14	16:45 147 545 14 3%
15:00 1 0 0 0 0 0 0 1	18 4 1 0 0 0 0 23 1	5:00 23 1 0 0 0 0 0 24	31 7 1 1 0 1 0 41 15:00 17 6 2 0 1 0 0 26	4 0 0 0 0 0 0 4	17:00 137
15:15 4 1 0 0 0 0 0 5		5:15 22 4 1 0 0 1 0 28	20 6 0 0 0 1 0 27 15:15 27 5 1 2 1 1 0 37	1 1 0 0 0 0 0 2	17:15 165
15:30 2 0 0 0 0 0 0 2		5:30 16 1 0 0 0 0 0 17	30 6 0 0 1 4 0 41 15:30 25 5 2 1 0 0 0 33	5 0 1 0 0 0 0 6	17:30 136
15:45 2 1 1 0 0 0 0 4	11 1 0 0 0 0 0 0	5:45 25 8 0 0 0 0 0 33	27 2 1 0 0 0 0 30 15:45 25 3 0 0 1 0 0 29	2 0 0 0 0 0 0 2	17:45 141 579 14 2%
H/TOT 9 2 1 0 0 0 0 12		/TOT 86 14 1 0 0 1 0 102	108 21 2 1 1 6 0 139 H/TOT 94 19 5 3 3 1 0 125	12 1 1 0 0 0 14	18:00 118
16:00 1 0 0 0 0 0 1		6:00 22 2 1 0 0 0 0 25	25 7 0 0 0 1 0 33 16:00 24 2 0 0 3 2 0 31	0 0 0 0 0 0 0	18:15 118
16:15 3 4 0 0 0 0 0 7 16:30 4 0 0 0 0 0 0 4		6:15 19 4 1 0 1 0 0 25	44 9 0 1 0 0 0 54 16:15 21 7 0 1 1 0 0 30	2 0 1 0 0 0 0 3	18:30 82
16:30 4 0 0 0 0 0 0 4		6:30 19 1 0 0 0 0 0 20	25 9 3 0 2 0 0 39 16:30 30 6 0 1 0 1 0 38	7 0 0 0 0 0 0 7	18:45 96 414 7 2%
16:45 5 2 0 0 0 0 0 7 H/TOT 13 6 0 0 0 0 0 19	21 8 0 0 0 1 0 30 1	70T 92 14 2 0 1 0 0 29	39 4 1 0 0 0 0 44 16:45 26 5 1 1 0 1 0 34	2 1 0 0 0 0 0 3	5%
H/TOT 13 6 0 0 0 0 0 19 17:00 6 0 1 0 0 1 0 8	03 21 1 0 1 1 0 111	10. 02 14 2 0 1 0 0 55	13 19 4 1 1 1 0 110 101 101 101 1 3 4 4 0 110	11 1 1 0 0 0 0 13	
17:00 6 0 1 0 0 1 0 8 17:15 1 1 0 0 0 0 0 2		7:00 23 7 0 0 0 0 0 30 7:15 22 6 0 0 1 0 0 29		4 1 0 0 0 0 0 5	
17:15 1 1 0 0 0 0 0 2 17:30 2 1 0 0 0 0 0 3		7:15 22 6 0 0 1 0 0 29 7:30 26 3 1 0 0 0 0 30	40 7 0 2 0 1 0 50 17:15 39 10 0 0 1 0 0 50 35 9 0 0 1 0 0 45 17:30 24 10 1 0 0 0 35	4 1 0 0 0 0 0 5	
17:45 3 0 0 0 0 0 3		7.45 19 6 0 0 0 1 0 26	30 4 0 1 0 0 0 35 1745 38 12 0 1 0 0 0 51	4 1 0 0 0 0 0 5	
H/TOT 12 2 1 0 0 1 0 16		/TOT 90 22 1 0 1 1 0 115	135 27 2 4 1 1 0 170 H/TOT 125 35 1 2 1 0 0 164	11 3 1 0 0 0 15	
18:00 1 0 0 0 0 0 0 1		800 23 2 1 0 0 1 0 27	34 6 0 0 0 0 0 40 1800 26 4 0 1 1 0 0 32	0 0 0 0 0 0 0 0	
18:15 1 0 0 0 0 0 0 1		8:15 27 0 1 0 0 0 0 28	27 6 0 0 0 0 0 33 18:15 29 3 0 0 2 0 0 34	8 1 0 0 0 0 0 9	
18:30 0 0 0 1 0 0 0 1		830 17 4 0 0 0 0 0 21	15 4 0 0 1 0 0 20 1830 18 1 0 0 0 2 0 21	2 1 0 0 0 0 0 3	
18:45 2 0 0 0 0 0 0 2	13 1 0 0 0 0 0 14 1	8.45 10 3 0 1 0 0 0 14	21 1 0 0 1 0 0 23 18.45 31 3 1 0 0 0 0 35	5 2 1 0 0 0 0 8	
H/TOT 4 0 0 1 0 0 0 5	50 10 0 0 1 0 0 61 H	/TOT 77 9 2 1 0 1 0 90	97 17 0 0 2 0 0 116 H/TOT 104 11 1 1 3 2 0 122	15 4 1 0 0 0 0 20	
P/TOT 135 32 12 1 0 5 0 185	798 175 27 6 12 8 1 1027 P	TOT 778 171 33 5 9 12 0 1008	1123 250 50 33 24 19 2 1501 P/TOT 1156 274 37 29 26 31 3 1556	129 37 15 0 0 0 1 182	

MANUAL CLASSIFIED COUNTS MANUAL CLASSIFIED COUNTS MANUAL CLASSIFIED COUNTS

JOB R 1508 15 JOB R 1508 15 JOB R 1508 15

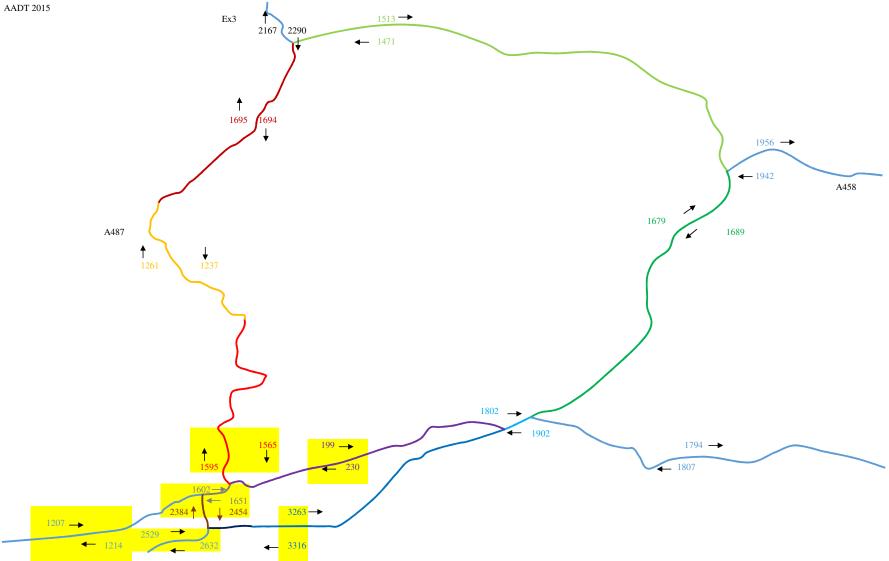
JOB N MACHYNLLETH	JOB N MACHYNLLETH	JOB N MACHYNLLETH

 STE: 3
 DATE: 17/99/2015
 STE: 3
 DATE: 17/99/2015
 STE: 3
 DATE: 17/99/2015
 STE: 3
 DATE: 17/99/2015
 DATE: 17/99/2015
 STE: 3
 DATE: 17/99/2015
 <th

	MOVEMENT 1	MOVEMENT 2	MOVEMENT 3	MOVEMENT 4	MOVEMENT 5	MOVEMENT 6	Time Total
TIME	FROM A487 (N) TO 84404	FROM A487 (N) TO A487 (S)	TIME FROM A487 (S) TO A487 (N)		M B4404 TO A487 (5)	FROM B4404 TO A487 (N)	
7:00	CAR LGV OGV1 OGV2 PSV MCL PCL TOT	CAR LGV OGV1 OGV2 P5V MCL PCL TOT	CAR LGV OGV1 OGV2 PSV MCL PCL TOT		OGV2 PSV MCL PCL TOT	CAR LGV OGV1 OGV2 PSV MCL PCL TOT	7.00
7:15	0 0 0 0 0 0 0 0		7:00 6 2 1 0 0 0 0 9 7:15 8 2 2 1 0 0 0 13	0 0 0 0 0 0 0 0 0 7:00 1 0 0	0 0 0 0 1	0 1 0 0 0 0 0 1	7:00 19 7:15 45
7:30	1 0 0 0 0 0 0 1		7:30 9 6 1 0 1 0 0 17	2 0 0 0 0 0 0 2 7:30 2 1 0	0 0 0 0 3	0 1 0 0 0 0 0 1	7:30 45
7:45	0 0 0 0 0 0 0		7:45 15 6 1 2 0 1 0 25	2 2 0 0 1 0 1 6 7:45 4 1 0	0 0 0 0 5	0 0 0 0 0 0 0	7:45 55 164 17 10%
н/тот	1 0 0 0 0 0 0 1	49 15 4 5 2 1 0 76 H	/TOT 38 16 5 3 1 1 0 64	4 2 0 0 1 0 1 8 H/TOT 9 2 0	0 0 0 0 11	0 4 0 0 0 0 0 4	8:00 47
8:00	0 1 0 0 0 0 0 1		3:00 7 1 2 0 2 0 0 12	0 0 0 0 1 0 0 1 8:00 0 0 0	0 0 0 1 1	0 0 0 0 0 0 0	8:15 64
8:15 8:30	1 0 0 0 0 0 0 0		3:15 10 7 1 3 1 0 0 22 3:30 16 3 2 1 0 0 0 22	0 0 0 0 0 0 0 0 0 8:15 2 1 0	0 0 0 0 3	3 2 0 0 2 0 0 7 1 0 1 0 0 0 0 2	8:30 66 8:45 70 247 22 9%
8:45	2 0 0 0 0 0 0 1		3.45 17 4 2 2 0 0 0 25	1 2 0 0 0 0 0 2 630 5 0 1	0 1 0 0 7	1 0 1 0 0 0 0 2	9:00 53
н/тот	3 1 0 0 0 0 0 4		/TOT 50 15 7 6 3 0 0 81	1 4 0 0 1 0 0 6 H/TOT 10 3 2	0 1 0 1 17	5 4 1 0 2 0 0 12	9:15 69
9:00	0 0 0 0 0 0 0	15 6 0 0 0 1 0 22	0:00 19 1 2 0 0 0 0 22	1 2 0 0 0 0 0 3 9:00 3 1 1	0 0 0 0 5	1 0 0 0 0 0 0 1	9:30 61
9:15	2 1 0 0 0 0 0 3		9:15 15 6 1 0 0 0 0 22	1 1 1 0 0 0 0 3 9:15 5 1 0	0 0 0 0 6	1 0 0 0 0 0 0 1	9:45 71 254 11 4%
9:30	0 0 0 0 0 0 0		9:30 21 4 0 1 1 0 0 27 9:45 22 5 0 0 0 0 0 27	2 1 0 0 0 0 0 3 930 1 0 0	0 0 0 0 1	2 0 1 0 0 0 0 3	10:00 72
9:45 H/TOT	2 2 0 0 0 0 0 2	20 10 0 1 0 0 0 0	/TOT 77 16 3 1 1 0 0 98	2 2 0 0 0 0 0 0 4 9945 5 2 0 6 6 1 0 0 0 0 13 H/TOT 14 4 1	0 0 0 0 7	0 0 0 0 0 0 0	10:15 84 10:30 79
10:00	1 0 0 0 0 0 0 1		000 20 3 2 1 1 0 0 27	3 2 1 0 0 0 0 6 1000 3 0 0	0 0 0 0 3	1 0 0 0 0 0 0 1	10:45 94 329 21 6%
10:15	1 0 0 1 0 0 0 2	23 3 2 0 0 1 0 29 1	0:15 35 4 2 0 1 0 0 42	0 1 0 0 0 0 0 1 10:15 4 2 1	0 0 0 0 7	3 0 0 0 0 0 0 3	11:00 75
10:30	1 1 0 0 0 0 0 2		0.30 22 3 3 1 1 0 0 30	2 1 0 0 0 0 0 3 1030 3 1 1	0 0 0 0 5	2 0 0 0 0 0 0 2	11:15 91
10:45	2 0 0 0 0 0 0 2	42 / 0 1 0 0 0 55	0.45 32 4 1 0 0 1 0 38	0 1 1 0 0 0 0 2 10:45 0 0 0	0 0 0 0	1 0 1 0 0 0 0 2	11:30 92
11:00	5 1 0 1 0 0 0 7	113 29 4 1 1 2 0 150 H 22 6 0 0 0 2 0 30 1	/TOT 109 14 8 2 3 1 0 137 1:00 22 5 2 2 1 1 0 33	5 5 2 0 0 0 0 12 H/TOT 10 3 2 3 1 2 0 0 0 0 6 11:00 3 1 0	0 0 0 0 15	7 0 1 0 0 0 0 8	11:45 71 329 21 6% 12:00 77
11:15	0 0 0 0 0 0 0		1:15 31 4 2 2 0 1 0 40	2 0 0 0 1 0 0 3 11:15 0 0 1	0 0 0 1 3	0 1 0 0 0 0 0 1	12:15 80
11:30	1 0 0 1 0 0 0 2		1:30 30 8 2 0 1 1 0 42	7 2 0 0 0 0 0 9 11:30 3 1 0	0 0 0 0 4	1 0 0 0 0 0 0 1	12:30 83
11:45	2 0 0 0 0 0 0 2	30 7 0 2 1 0 0 40 1	1:45 20 1 1 1 0 0 1 24	1 0 0 0 0 0 0 1 11:45 0 0 0	0 0 0 0 0	4 0 0 0 0 0 0 4	12:45 74 314 22 7%
н/тот	3 0 0 1 0 0 0 4		/TOT 103 18 7 5 2 3 1 139	13 3 2 0 1 0 0 19 H/TOT 6 2 1	0 0 0 2 11	5 2 0 0 0 0 0 7	13:00 87
12:00	0 0 0 0 0 0 0 0		2:00 29 2 0 1 0 0 0 32 2:15 30 3 1 0 1 4 0 39	1 0 0 0 0 0 0 1 12:00 2 0 0	0 0 0 0 2	1 0 0 0 0 0 0 1	13:15 73
12:30	0 0 0 1 0 0 0 1		2:15 30 3 1 0 1 4 0 39 2:30 26 3 3 0 0 1 0 33	0 0 0 0 0 0 0 0 0 12:15 1 1 0 3 0 1 0 0 0 0 4 12:30 2 0 0	0 0 0 0 2	1 0 0 0 0 0 0 0 1	13:30 74 13:45 82 316 15 5%
12:45	0 0 0 0 0 0 0		245 31 2 1 4 0 0 0 38	3 1 0 0 0 0 0 4 1245 3 0 0	0 0 0 0 3	0 1 0 0 0 0 0 1	14:00 68
н/тот	0 0 0 1 0 0 0 1	110 21 6 3 1 6 0 147 H	/TOT 116 10 5 5 1 5 0 142	7 1 1 0 0 0 0 9 H/TOT 8 1 0	0 0 0 0 9	4 1 0 1 0 0 0 6	14:15 104
13:00	0 0 1 0 0 0 0 1		3:00 34 7 1 0 0 0 0 42	4 0 0 0 0 0 0 4 13:00 1 0 0	0 0 0 1 2	0 0 1 0 0 0 0 1	14:30 68
13:15 13:30	0 0 0 0 0 0 0		3:15 36 5 1 1 0 0 0 43	1 1 0 0 0 0 0 2 13:15 1 0 1	0 0 0 0 2	2 0 0 0 0 0 0 0 2	14:45 63 303 22 7%
13:30	0 0 0 0 0 0 0		3:30 22 8 0 0 1 0 0 31 3:45 24 9 2 0 0 0 0 35	3 0 0 0 0 0 0 3 13:30 4 2 0	0 0 0 0 6	2 0 0 0 0 0 0 2	15:00 75 15:15 74
н/тот	2 0 1 0 0 0 0 3		/TOT 116 29 4 1 1 0 0 151	10 1 0 0 0 0 0 11 H/TOT 11 2 2	0 0 0 1 16	2 0 1 0 0 0 0 3	15:30 82
14:00	2 0 0 1 0 0 0 3	22 4 1 2 1 0 0 30 1	4.00 18 5 1 0 0 0 0 24	5 3 1 0 0 0 0 9 14:00 0 1 0	0 0 0 0 1	1 0 0 0 0 0 0 1	15:45 71 302 15 5%
14:15	0 0 0 0 0 0 0		4:15 30 13 1 3 2 0 0 49	2 0 0 0 0 0 0 2 14:15 4 0 0	0 0 0 0 4	4 0 0 0 0 0 0 4	16:00 66
14:30	2 1 1 0 0 0 0 4		430 17 8 2 0 1 0 0 28	2 1 0 1 0 0 0 4 14:30 1 1 0	0 0 0 0 2	1 0 0 0 0 0 0 1	16:15 99
14:45 H/TOT	5 1 1 1 0 0 0 8		/TOT 82 34 6 3 3 2 0 130	1 0 0 0 0 3 0 4 1445 3 3 0 10 4 1 1 0 3 0 19 H/TOT 8 5 0	0 0 0 0 6	0 0 1 0 0 0 0 1	16:30 93 16:45 95 353 12 3%
15:00	2 0 1 0 0 0 0 3		5.00 31 7 1 1 0 1 0 41	1 0 0 0 0 0 0 1 15:00 2 0 0	0 0 0 0 2	0 0 0 0 0 0 0	17:00 82
15:15	0 0 0 0 0 0 0		5:15 19 7 0 0 0 0 0 26	5 0 0 0 0 1 0 6 15:15 1 1 1	0 0 1 0 4	1 2 0 0 0 0 3	17:15 112
15:30	0 0 0 0 0 0 0		5:30 29 5 0 0 0 4 0 38	3 1 0 0 1 0 0 5 15:30 3 0 0	0 0 0 0 3	0 0 0 0 0 0 0	17:30 86
15:45	3 0 0 0 1 0 0 4	24 2 0 0 0 0 0 26 1	5:45 27 2 2 0 0 0 0 31	2 1 0 0 0 0 0 3 15:45 3 1 0	0 1 0 0 5	1 0 0 1 0 0 0 2	17:45 96 376 11 3%
H/TOT 16:00	5 0 1 0 1 0 0 7		/TOT 106 21 3 1 0 5 0 136 6:00 22 6 0 0 0 1 0 29	11 2 0 0 1 1 0 15 H/TOT 9 2 1 4 1 0 0 0 0 0 5 16:00 2 0 0	0 1 1 0 14	2 2 0 1 0 0 0 5	18:00 75 18:15 80
16:15	3 0 0 1 0 0 0 4		6:15 47 13 0 1 0 0 61	0 0 0 0 0 0 0 0 16:15 3 2 0	0 0 0 0 2	0 0 0 0 0 0 0 0	18:30 47
16:30	0 2 0 0 0 0 0 2		6:30 23 8 3 0 2 0 0 36	6 1 0 0 0 0 0 7 16:30 2 1 0	0 0 0 0 3	1 2 0 0 0 0 3	18:45 74 276 4 1%
16:45	2 0 0 0 0 0 0 2	28 5 1 1 0 1 0 36 1	6:45 41 4 1 0 0 0 0 46	3 2 0 0 0 0 0 5 16:45 0 1 0	0 0 0 0 1	1 4 0 0 0 0 0 5	5%
н/тот	6 2 0 1 0 0 0 9	100 17 2 3 4 4 0 155 15	/TOT 133 31 4 1 2 1 0 172	13 4 0 0 0 0 0 17 H/TOT 7 4 0	0 0 0 0 11	2 6 0 1 0 0 0 9	
17:00 17:15	1 1 0 0 0 0 0 2		7:00 31 6 2 1 0 1 0 41 7:15 38 8 0 2 0 0 0 48	5 1 1 0 0 0 0 7 17:00 4 0 0	0 0 0 0 4	1 0 0 0 0 0 0 1	
17:15	4 0 0 0 0 0 0 0 4		7:15 38 8 0 2 0 0 0 48 7:30 33 10 0 0 1 0 0 44	3 0 0 0 0 1 0 4 17:15 5 2 0 4 0 0 0 0 0 0 4 17:30 3 0 0	0 0 0 0 7	1 0 0 0 0 0 0 1	
17:45	1 0 0 0 0 0 0 1		7:45 29 4 0 1 0 0 0 34	4 0 0 0 0 0 0 4 17:45 4 0 0	0 0 0 0 4	1 0 0 0 0 0 0 1	
н/тот	6 1 0 0 0 0 0 7		/TOT 131 28 2 4 1 1 0 167	16 1 1 0 0 1 0 19 H/TOT 16 2 0	0 0 0 0 18	3 1 0 0 0 0 0 4	
18:00	0 0 0 0 0 0 0		8.00 33 6 0 0 0 0 0 39	2 0 0 0 0 0 0 2 18:00 1 2 0	0 0 0 0 3	2 0 0 0 0 0 0 2	
18:15	1 1 0 0 0 0 0 2		8:15 26 4 0 0 0 0 0 30 8:30 13 3 0 1 1 0 0 18	2 2 0 0 0 0 0 4 18:15 4 2 0	0 0 0 0 6	0 1 0 0 0 0 0 1	
18:30	1 0 0 0 0 0 0 1		830 13 3 0 1 1 0 0 18 845 16 1 0 0 1 0 0 18	2 1 0 0 0 0 0 3 1830 4 0 0	0 0 0 0 4	1 0 0 0 0 0 0 1	
н/тот	6 2 0 0 0 0 0 8		/TOT 88 14 0 1 2 0 0 105	13 3 0 0 0 0 0 16 H/TOT 11 8 0	0 0 0 0 19	4 1 0 0 0 0 0 5	
P/TOT	45 10 3 5 1 0 0 64	1166 273 43 29 24 30 0 1565 P	/TOT 1149 246 54 33 20 19 1 1522	109 36 8 1 4 5 1 164 P/TOT 119 38 9	0 2 1 4 173	44 21 5 3 2 0 0 75	

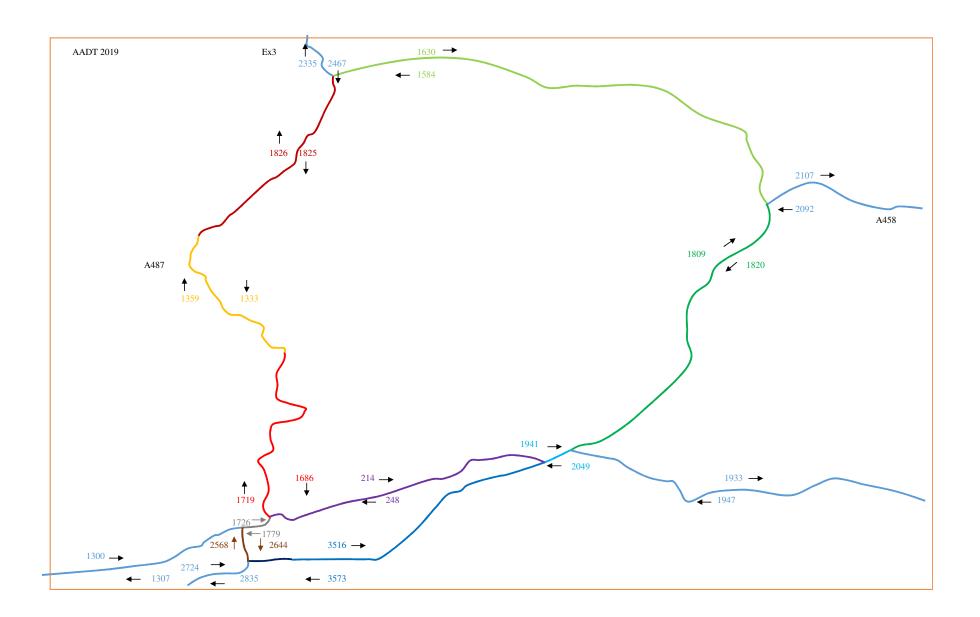
MANUAL CLASSIFIED COUNTS		MANUAL CLASSIFIED COUNTS		MANUAL CLASSIFIED COUNTS	
JOB R: 1508 15		JOB RI 1508 15		JOB RI 1508 15	
JOB N MACHYNLLETH		JOB N MACHYNLLETH		JOB N MACHYNLLETH	
SITE: 4	DATE: 17/09/2015	SITE: 4	DATE: 17/09/2015	SITE: 4	DATE: 17/09/2015
LOCA184404 / A489	DAY: THURSDAY	LOCA184404 / A489	DAY: THURSDAY	LOCA1 B4404 / A489	DAY: THURSDAY

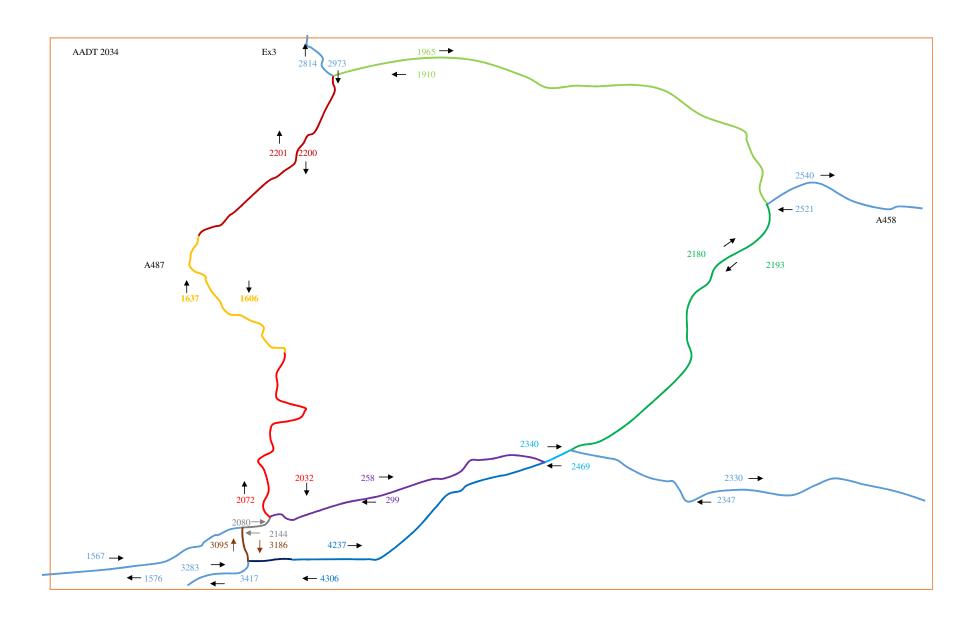
MOVEMENT 1	MOVEMENT 2		MOVEMENT 3	MOVEMENT 4 MOVEMENTS MOVEMENTS Time: Total
TIME FROM B4404 TO A489 (NE)	FROM B4404 TO A489 (5)	TIME	FROM A489 (S) TO B4404	FROM A489 (NE) TO
CAR LGV OGV1 OGV2 PSV MCL PCL TOT	CAR LGV OGV1 OGV2 PSV MCL PCL TOT		CAR LGV OGV1 OGV2 PSV MCL PCL TOT	CAR LOV OGV1 OGV2 PSV MCL PCL TOT CAR LOV OGV1 OGV2 PSV MCL PCL TOT CAR LOV OGV1 OGV2 PSV MCL PCL TOT
7:00 0 1 0 0 0 0 0 1 7:15 0 0 0 0 0 0 0	0 0 0 0 0 0 0	7:00	0 0 0 0 0 0 0	19 1 2 0 0 0 0 0 22 700 21 1 1 0 0 0 0 0 23 0 0 0 0 0 0 0 0 77:00 46 10 0 1 0 0 0 0 1 17:15 14 1 2 0 0 0 0 0 1 7:15 29
7:15 0 0 0 0 0 0 0 0 0 7:30 1 0 0 0 0 0 0 1	0 0 0 0 0 0 -	7:15	0 0 0 0 0 0 0 0	10 0 1 0 0 0 0 0 11 7:15 14 1 2 0 0 0 0 17 0 1 0 1 0 0 0 0 1 7:15 29 14 2 0 0 0 0 0 1 7:10 2 0 1 0 0 0 0 0 0 1 7:15 29
7:45 0 1 0 0 0 0 0 1	1 0 0 0 0 0 1	7:45	0 0 0 0 0 0 0	16 1 0 1 0 0 0 18 745 29 1 3 1 0 1 0 15 0 0 0 0 0 0 0 0 0 745 55 175 14 8%
H/TOT 1 2 0 0 0 0 3	2 0 0 0 0 0 0 2	H/TOT	0 0 0 0 0 0 0	18 1 0 1 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 1
8:00 4 0 0 0 0 0 0 4	0 1 0 0 0 0 0 1	8:00	0 0 1 0 0 0 0 1	21 2 1 0 1 0 0 25 8:00 33 9 3 0 1 0 0 46 1 2 0 0 0 0 0 3 8:15 74
8:15 2 0 0 0 0 0 0 2	1 2 0 0 0 0 0 3	8:15	0 0 0 0 0 0 0	28 2 1 0 0 0 0 31 8:15 29 4 1 0 0 0 0 34 2 0 0 1 1 0 0 4 8:30 101
8:30 1 0 0 0 0 0 0 1	0 0 0 0 0 0 0	8:30	1 1 0 0 0 0 0 2	37 2 2 0 0 1 0 42 830 41 9 4 0 0 0 0 54 1 0 1 0 0 0 0 2 8:45 77 332 19 6%
8:45 3 0 0 0 0 0 3	0 0 0 0 0 0 0	8:45	1 1 0 0 0 0 0 2	27 4 0 1 0 0 0 32 8:45 32 3 2 1 0 0 0 38 2 0 0 0 0 0 0 2 9:00 92
H/TOT 10 0 0 0 0 0 10	1 3 0 0 0 0 0 4	H/TOT	2 2 1 0 0 0 0 5	113 10 4 1 1 1 0 130 H/TOT 135 25 10 1 1 0 0 172 6 2 1 1 1 0 0 111 9:15 64
9:00 2 1 0 0 0 0 0 3 9:15 1 0 0 0 0 0 0 1	0 0 0 0 0 0 -	9:00 9:15	1 0 0 0 0 0 0 1	34 3 3 1 0 0 0 44 900 36 5 2 0 1 0 0 44 3 3 0 0 0 0 0 3 9:30 81 12 1 2 0 0 0 0 15 19:31 37 4 4 0 0 0 0 0 45 2 1 0 0 0 0 0 3 9:30 81
9:15 1 0 0 0 0 0 0 1 9:30 2 1 0 0 0 0 0 3		9:15	0 0 0 0 0 0 0	12 1 2 0 0 0 0 0 15 9:15 37 4 4 0 0 0 0 45 2 1 0 0 0 0 0 3 9:45 99 336 22 7% 11 6 1 0 0 0 0 18 19:20 44 9 3 0 0 0 0 56 1 0 0 0 0 0 1 10:00 86
9:45 1 0 1 0 0 0 0 2	0 1 0 0 0 0 0 1	9:45	2 1 0 0 0 0 0 3	29 8 1 0 0 0 0 38 945 39 7 4 0 0 0 0 50 1 3 2 0 0 0 0 0 5 10:15 61
H/TOT 6 2 1 0 0 0 0 9	1 2 0 0 0 0 0 3	H/TOT	3 2 0 0 0 0 0 5	86 18 7 1 0 0 0 112 N/701 156 25 13 0 1 0 0 195 9 3 0 0 0 0 0 12 10:30 81
10:00 6 0 1 1 0 0 0 8	0 0 0 0 0 0 0	10:00	4 0 0 0 0 0 0 4	18 4 1 0 0 0 2 25 1000 28 8 4 0 1 1 0 42 4 2 1 0 0 0 0 7 10:45 72 300 30 10%
10:15 2 1 0 0 0 0 0 3	0 0 0 0 0 0 0	10:15	0 2 0 0 0 0 0 2	16 4 2 2 0 1 0 25 1015 22 5 1 0 0 0 0 28 3 0 0 0 0 0 0 3 11:00 79
10:30 5 2 0 0 0 0 0 7	0 0 1 0 0 0 0 1	10:30	1 2 0 0 0 0 0 3	20 3 2 2 0 0 0 27 1030 25 9 4 1 0 0 0 39 3 0 0 0 0 0 1 4 11:15 59
10:45 3 4 0 0 0 0 0 7	0 0 0 0 0 0 0	10:45	0 0 0 0 0 0 0	23 6 2 1 0 0 0 32 1045 24 1 3 1 1 1 0 31 2 0 0 0 0 0 0 2 11:30 74
H/TOT 16 7 1 1 0 0 0 25	0 0 1 0 0 0 0 1	H/TOT	5 4 0 0 0 0 0 9	77 17 7 5 0 1 2 100
11:00 3 1 1 0 0 0 0 5 11:15 1 1 0 0 0 0 0 2		11:15	0 0 0 0 0 0 0 0	27 6 1 2 1 0 0 37 11:00 22 4 3 1 0 0 0 30 5 1 0 0 0 0 0 6 12:00 85 16 4 1 0 0 0 0 0 12:05 70
11:30 3 2 1 0 0 0 0 6		11:30	0 0 0 0 0 0 0 0	10 4 1 0 0 0 0 21 11.15 24 5 1 2 0 0 1 35 0 1 0 1 0 0 0 2 12.15 70 17 2 2 3 0 0 0 24 1130 29 7 1 1 0 0 0 13 5 5 0 0 0 0 0 0 5 12.30 61
11:45 1 0 0 0 0 0 0 1	2 0 0 0 0 0 0 2	11:45	0 0 0 0 0 0 0	12 1 2 1 0 0 0 16 11:45 26 2 1 1 0 0 0 30 2 0 0 0 0 0 2 12:45 71 287 24 8%
H/TOT 8 4 2 0 0 0 0 14	3 1 0 0 0 0 0 4	н/тот	0 1 0 0 0 0 0 1	72 13 6 6 1 0 0 98 4/707 101 18 6 5 0 0 1 131 12 2 0 1 0 0 0 15 13:00 65
12:00 1 0 0 0 0 0 0 1	1 0 0 0 0 0 0 1	12:00	2 0 0 0 0 0 0 2	23 4 5 0 0 0 0 32 12:00 36 4 3 0 0 1 0 44 5 0 0 0 0 0 5 13:15 76
12:15 4 0 0 0 0 0 0 4	3 0 0 0 0 0 0 -	12:15	0 0 0 0 0 0 0	19 4 2 1 0 0 0 26 12:15 23 8 2 0 0 0 0 33 4 0 0 0 0 0 0 4 13:30 65
12:30 1 0 0 0 0 0 0 1	1 0 0 0 0 0 0 1	12:30	1 0 0 0 0 0 0 1	19 4 1 1 0 1 0 26 12:30 24 3 2 0 0 0 0 0 29 2 1 0 0 0 0 0 3 13:45 76 282 19 7%
12:45 0 0 1 0 0 0 0 1 H/TOT 6 0 1 0 0 0 7	2 0 0 0 0 0 0 2	12:45 H/TOT	2 0 1 0 0 0 0 3	21 7 2 0 0 1 0 31 12:45 25 4 1 1 1 0 0 32 1 0 1 0 0 0 0 2 1 15 4 7077 198 19 8 1 1 1 0 1 0 0 0 0 0 2 1 14:10 75 8 1 1 1 0 1 0 0 0 0 1 14:15 67
13:00 1 0 0 0 0 0 0 1	7 0 0 0 0 0 7	13:00	1 0 0 0 0 0 0 0	82 19 10 2 0 2 0 115 H/701 108 19 8 1 1 1 0 138 12 1 1 0 0 0 0 0 14 14:15 67 26 7 2 1 1 0 38 13:00 37 4 0 0 0 0 0 0 21 1 0 0 0 0 0 0 0 14:00 73
13:15 2 2 0 0 0 0 4	1 3 0 0 0 0 0 .		2 0 0 0 0 0 0 2	20 8 2 0 1 0 0 31 1335 20 7 1 0 0 0 0 0 25 9 1 0 0 0 0 0 10 1145 79 294 20 7%
13:30 3 0 2 0 0 0 5		13:30	2 0 0 0 0 0 0 2	18 5 3 1 0 0 1 28 1330 24 2 0 0 1 0 0 27 2 0 0 0 0 0 0 2 15:00 85
13:45 2 0 0 0 0 0 2	0 2 0 0 0 0 0 2	13:45	1 1 1 0 0 0 3	24 7 3 0 0 0 0 34 1345 21 9 3 0 0 0 0 33 0 2 0 0 0 0 0 2 15:15 95
H/TOT 8 2 2 0 0 0 0 12	3 5 0 0 0 0 0 8	H/TOT	6 1 1 0 0 0 0 8	88 27 10 2 2 1 1 131 H/TOT 82 22 4 0 1 0 0 109 11 3 0 0 0 0 0 14 15:30 102
14:00 2 1 0 0 0 0 3		14:00	0 0 0 0 0 0 0	21 6 0 1 0 0 0 28 14:00 25 9 0 1 0 0 0 35 7 1 0 0 0 0 0 8 15:45 77 359 24 7%
14:15 5 1 0 0 0 0 6		14:15	0 0 0 0 0 0 0	14 13 0 0 1 1 0 29 14:15 18 5 2 1 0 0 0 26 2 2 1 0 0 0 0 5 16:00 87
14:30 1 1 0 0 0 0 0 2 14:45 2 1 1 0 0 0 1 5	1 1 0 0 0 0 0 2	14:30	1 0 0 0 0 0 1	23 12 4 0 0 0 0 39 14380 16 4 1 1 0 1 0 23 2 2 2 0 0 0 0 6 16:15 88 19 12 2 1 0 0 0 34 14485 26 5 1 1 1 0 0 34 1 3 0 0 0 0 0 0 0 3 16:30 81
H/TOT 10 4 1 0 0 0 1 5	4 1 0 0 0 0 0 5	H/TOT	1 2 0 0 0 0 0 2	19 12 2 1 0 0 0 34 1445 26 5 1 1 0 0 34 3 0 0 0 0 0 0 3 16530 81 77 43 6 2 1 0 10 10 14707 85 23 4 4 1 1 0 118 4 26 5 3 0 0 0 0 0 2 16545 86 342 12 4%
15:00 2 2 1 0 0 3 0 8	0 1 0 0 0 0 0 1	15:00	1 1 1 0 0 0 0 3	30 9 1 0 3 0 0 44 1500 20 2 2 2 0 1 1 0 25
15:15 5 1 0 0 0 0 0 6	0 1 0 0 0 0 0 1	15:15	0 4 0 0 0 0 0 4	30 13 3 0 0 0 0 46 15:15 28 3 1 1 0 1 0 34 3 0 0 1 0 0 0 4 17:15 79
15:30 4 0 0 0 0 0 0 4	0 1 1 0 0 0 0 2	15:30	1 0 0 0 0 0 0 1	28 9 4 2 1 1 0 45 1530 29 13 2 0 0 1 0 45 2 3 0 0 0 0 0 5 17:30 91
15:45 2 0 0 0 1 1 0 4	1 0 1 0 0 0 0 2	15:45	2 0 0 0 0 0 0 2	24 9 1 0 0 0 0 34 1545 21 9 2 0 1 0 0 33 2 0 0 0 0 0 0 2 17:45 76 354 17 5%
H/TOT 13 3 1 0 1 4 0 22	1 3 2 0 0 0 0 6	H/TOT	4 5 1 0 0 0 0 10	112 40 9 2 4 1 0 168 H/TOT 98 27 7 1 2 3 0 138 9 5 0 1 0 0 0 15 18:00 74
16:00 4 0 0 0 0 0 0 4	2 0 0 1 0 0 0 3	16:00	1 1 0 0 0 0 0 2	50 9 1 0 0 0 0 40 1600 24 9 1 0 1 0 0 35 1 1 0 1 0 0 0 3 18:15 67
16:15 1 1 0 0 0 0 0 2 16:30 2 1 0 0 0 0 0 3		16:15	3 2 0 0 0 0 0 5	28 9 2 0 0 0 0 39 14615 26 8 2 2 0 0 0 38 3 0 0 0 0 0 0 3 18:30 60 32 11 0 0 0 0 0 4 18:50 47 9 0 0 1 0 0 27 2 3 0 0 0 0 0 5 18:45 60 261 7 3%
16:45 2 2 0 0 0 0 4		16:45	0 1 0 0 0 0 0 1	32 11 0 0 0 0 0 42 1645 25 8 1 0 1 0 0 0 55 4 0 0 0 0 0 0 4 7%
H/TOT 9 4 0 0 0 0 0 13	3 1 0 1 0 0 0 5	н/тот	5 5 0 0 0 0 0 10	33 8 1 0 0 0 0 0 4 NOV 2 8 1 0 1 0 0 0 2 1 5 1 0 1 0 0 0 0 1 5 1 0 1 0 0 0 1 1 5 1 0 1 0
17:00 5 1 1 0 0 0 0 7	1 0 0 0 0 0 0 1	17:00	2 1 0 0 0 0 0 3	42 10 1 0 1 0 0 54 17700 26 9 0 0 2 0 0 37 5 0 0 0 0 1 0 6
17:15 3 1 2 0 0 0 0 6		17:15	1 1 0 0 0 0 0 2	27 10 3 1 0 0 0 41 17.15 24 3 0 1 0 0 0 28 0 1 0 0 0 0 1
17:30 3 1 0 0 0 0 0 4	1 0 0 0 0 0 0 1	17:30	1 0 0 0 0 0 1	34 4 1 0 0 2 0 41 1730 21 7 3 1 0 0 0 0 32 11 1 0 0 0 0 0 12
17:45 1 0 0 0 0 0 0 1	0 0 0 0 0 0 0	17:45	0 0 0 0 0 0 0	37 5 1 1 0 0 0 44 1745 22 4 1 0 0 0 0 0 27 4 0 0 0 0 0 0 4
H/TOT 12 3 3 0 0 0 0 18	1 1 0 0 0 0 0 -	H/TOT 18:00	4 2 0 0 0 0 0 6	140 29 6 2 1 2 0 180 NYTOT 31 23 4 2 2 0 0 124 20 2 0 0 0 1 20 23 29 5 0 0 0 0 0 0 1 0 23
18:00 2 0 0 0 0 0 0 2 18:15 1 1 0 0 0 0 0 2		18:15	1 0 0 0 0 0 0 1	29 5 0 0 0 0 0 34 1500 25 4 0 0 0 0 0 30 33 3 0 0 0 0 6 25 3 3 1 0 0 0 0 1815 21 8 2 1 0 0 0 32 1 0 0 0 0 0 1
18:30 3 0 0 0 0 0 0 2		18:15	3 0 0 0 0 0 0 2	26 3 1 0 0 0 0 0 30 1821 21 8 2 1 0 0 0 3 24 1 0 0 0 0 0 0 0 0 1 20 20 4 1 0 0 0 0 0 0 5
18:45 1 1 0 0 0 0 0 2	2 0 0 0 0 0 0 2	18:45		14 4 0 2 0 0 0 120 1884 31 1 0 0 1 0 0 133 1 0 3 0 0 0 0 0 3
H/TOT 7 2 0 0 0 0 9	3 0 0 0 0 0 0 3	н/тот	5 1 0 0 0 0 6	89 20 2 2 0 0 0 113 H/TOT 96 15 2 1 1 0 0 115 8 7 0 0 0 0 0 15
P/TOT 106 33 12 1 1 4 1 158	30 17 3 1 0 0 0 51	Р/ТОТ	40 25 4 0 0 0 0 69	1118 277 74 26 10 9 3 1517 P/TOT 1230 260 82 21 15 8 1 1617 123 37 6 4 1 1 1 173



Appendix C

Forecast Flows

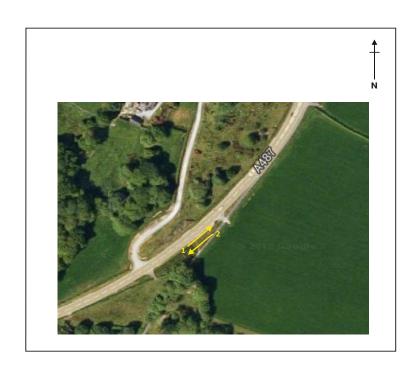




Appendix D

NMU Surveyed Flows





SITE 1 SITE 2

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 1 DATE: 10/25/2015

LOCATION: A487 (National Cycle Route 8) DAY: SUNDAY

TIME			MENT 1 BOUND		MOVEMENT 2 WESTBOUND				
	PED	PCL	HORSE & RIDER	тот		PED	PCL	HORSE & RIDER	тот
8:00	0	0	0	0	П	0	0	0	0
8:15	0	0	0	0		0	0	0	0
8:30	2	0	0	2		0	2	0	2
8:45	0	1	0	1	Ш	5	0	0	5
н/тот	2	1	0	3	П	5	2	0	7
9:00	0	0	0	0	П	0	0	0	0
9:15	0	0	0	0		0	0	0	0
9:30	0	0	0	0	П	0	0	0	0
9:45	5	0	0	5	Ш	1	0	0	1
н/тот	5	0	0	5	П	1	0	0	1
10:00	2	0	0	2	П	0	0	0	0
10:15	3	0	0	3	П	1	0	0	1
10:30	0	8	0	8		2	0	0	2
10:45	0	0	0	0	Ш	7	0	0	7
н/тот	5	8	0	13	П	10	0	0	10
11:00	0	0	0	0	П	2	0	0	2
11:15	0	0	0	0	П	2	1	0	3
11:30	0	0	0	0	П	0	0	0	0
11:45	0	0	0	0	Ш	4	0	0	4
н/тот	0	0	0	0		8	1	0	9

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 1 DATE: 10/25/2015

LOCATION: A487 (National Cycle Route 8) DAY: SUNDAY

TIME			MENT 1 BOUND		MOVEMENT 2 WESTBOUND				
	PED	PCL	HORSE & RIDER	тот		PED	PCL	HORSE & RIDER	тот
12:00	2	0	0	2	П	0	0	0	0
12:15	0	1	0	1		4	2	0	6
12:30	4	2	0	6		0	2	0	2
12:45	2	0	0	2		0	0	0	0
н/тот	8	3	0	11	П	4	4	0	8
13:00	0	0	0	0	П	0	1	0	1
13:15	0	1	0	1		0	0	0	0
13:30	0	0	0	0		0	1	0	1
13:45	0	1	0	1		0	2	0	2
н/тот	0	2	0	2	П	0	4	0	4
14:00	0	0	0	0	П	0	0	0	0
14:15	2	0	0	2		0	1	0	1
14:30	1	0	0	1		0	0	0	0
14:45	0	1	0	1		0	0	0	0
н/тот	3	1	0	4	IE	0	1	0	1
15:00	1	1	0	2		2	0	0	2
15:15	0	0	0	0	П	1	0	0	1
15:30	0	0	0	0	П	0	0	0	0
15:45	0	0	0	0	IL	2	7	0	9
н/тот	1	1	0	2	I	5	7	0	12
P/TOT	24	16	0	40	ı	33	19	0	52

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 2 DATE: 10/25/2015

LOCATION: A487 DAY: SUNDAY

TIME			MENT 1 ASTBOUND			MOVEMENT 2 SOUTH/WESTBOUND				
	PED	PCL	HORSE & RIDER	тот		PED	PCL	HORSE & RIDER	тот	
8:00	0	0	0	0	П	0	0	0	0	
8:15	0	0	0	0		0	0	0	0	
8:30	0	0	0	0		1	2	0	3	
8:45	1	1	0	2		5	0	0	5	
н/тот	1	1	0	2	П	6	2	0	8	
9:00	1	0	0	1	П	0	0	0	0	
9:15	0	0	0	0		0	0	0	0	
9:30	0	0	0	0		0	0	0	0	
9:45	0	0	0	0		0	0	0	0	
н/тот	1	0	0	1	Ш	0	0	0	0	
10:00	5	0	0	5		0	0	0	0	
10:15	0	0	0	0		0	0	0	0	
10:30	0	0	0	0		0	0	0	0	
10:45	0	8	0	8	IL	6	0	0	6	
н/тот	5	8	0	13	Ш	6	0	0	6	
11:00	0	0	0	0	П	4	1	0	5	
11:15	0	0	0	0		0	0	0	0	
11:30	0	0	0	0	H	4	0	0	4	
11:45	1	0	0	1	11	0	0	0	0	
Н/ТОТ	1	0	0	1		8	1	0	9	

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 2 DATE: 10/25/2015

LOCATION: A487 DAY: SUNDAY

TIME	MOVEMENT 1 NORTH/EASTBOUND					MOVEMENT 2 SOUTH/WESTBOUND						
	PED	PCL	HORSE & RIDER	тот		PED	PCL	HORSE & RIDER	тот			
12:00	1	0	0	1	Ш	1	0	0	1			
12:15	0	0	0	0		0	2	0	2			
12:30	1	2	0	3		0	0	0	0			
12:45	5	0	0	5		0	1	0	1			
н/тот	7	2	0	9		1	3	0	4			
13:00	0	0	0	0	П	0	0	0	0			
13:15	0	0	0	0		0	0	0	0			
13:30	0	0	0	0		0	0	0	0			
13:45	0	1	0	1		1	2	0	3			
н/тот	0	1	0	1		1	2	0	3			
14:00	1	0	0	1		0	0	0	0			
14:15	0	0	0	0		1	0	0	1			
14:30	0	0	0	0		0	0	0	0			
14:45	0	1	0	1		0	0	0	0			
н/тот	1	1	0	2		1	0	0	1			
15:00	0	1	0	1		0	0	0	0			
15:15	0	0	0	0		0	0	0	0			
15:30	0	0	0	0		0	2	0	2			
15:45	0	0	0	0		0	4	0	4			
н/тот	0	1	0	1		0	6	0	6			
P/TOT	16	14	0	30		23	14	0	37			

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 1 DATE: 10/26/2015

LOCATION: A487 (National Cycle Route 8) DAY: MONDAY

TIME			MENT 1 BOUND			MOVEMENT 2 WESTBOUND				
	PED	PCL	HORSE & RIDER	тот		PED	PCL	HORSE & RIDER	тот	
8:00	0	0	0	0	lſ	0	0	0	0	
8:15	0	0	0	0		0	1	0	1	
8:30	0	1	0	1		0	0	0	0	
8:45	0	3	0	3		2	2	0	4	
н/тот	0	4	0	4		2	3	0	5	
9:00	0	0	0	0	П	0	0	0	0	
9:15	0	0	0	0		0	0	0	0	
9:30	0	1	0	1		0	0	0	0	
9:45	0	0	0	0		0	0	0	0	
н/тот	0	1	0	1	П	0	0	0	0	
10:00	0	0	0	0	П	0	0	0	0	
10:15	2	0	0	2		0	0	0	0	
10:30	0	1	0	1		0	1	0	1	
10:45	1	0	0	1		2	0	0	2	
н/тот	3	1	0	4	Ш	2	1	0	3	
11:00	0	0	0	0	П	0	0	0	0	
11:15	2	0	0	2	П	0	0	0	0	
11:30	0	0	0	0	П	2	0	0	2	
11:45	0	0	0	0	Ш	0	0	0	0	
н/тот	2	0	0	2		2	0	0	2	

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 1 DATE: 10/26/2015

LOCATION: A487 (National Cycle Route 8) DAY: MONDAY

TIME			MENT 1 BOUND				EMENT 2 BOUND	
	PED	PCL	HORSE & RIDER	тот	PED	PCL	HORSE & RIDER	тот
12:00	5	0	0	5	0	0	0	0
12:15	0	0	0	0	4	0	0	4
12:30	0	0	0	0	0	0	0	0
12:45	1	0	0	1	3	0	0	3
н/тот	6	0	0	6	7	0	0	7
13:00	0	0	0	0	2	0	0	2
13:15	0	1	0	1	0	1	0	1
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
н/тот	0	1	0	1	2	1	0	3
14:00	0	0	0	0	0	1	0	1
14:15	0	0	0	0	1	0	0	1
14:30	3	0	0	3	0	0	0	0
14:45	1	0	0	1	2	0	0	2
н/тот	4	0	0	4	3	1	0	4
15:00	0	1	0	1	2	0	0	2
15:15	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
н/тот	0	1	0	1	2	0	0	2
P/TOT	15	8	0	23	20	6	0	26

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 2 DATE: 10/26/2015

LOCATION: A487 DAY: MONDAY

TIME			EMENT 1 ASTBOUND			MOVEMENT 2 SOUTH/WESTBOUND				
	PED	PCL	HORSE & RIDER	тот	Ш	PED	PCL	HORSE & RIDER	тот	
8:00	0	0	0	0	П	0	0	0	0	
8:15	0	0	0	0		0	1	0	1	
8:30	0	1	0	1		0	0	0	0	
8:45	0	3	0	3		0	2	0	2	
н/тот	0	4	0	4	l	0	3	0	3	
9:00	0	0	0	0	П	0	0	0	0	
9:15	0	0	0	0		0	0	0	0	
9:30	0	1	0	1		0	0	0	0	
9:45	0	0	0	0		0	0	0	0	
н/тот	0	1	0	1	I	0	0	0	0	
10:00	0	0	0	0		0	0	0	0	
10:15	0	0	0	0		0	0	0	0	
10:30	0	1	0	1		0	1	0	1	
10:45	0	0	0	0	IL	0	0	0	0	
н/тот	0	1	0	1	Ш	0	1	0	1	
11:00	0	0	0	0	П	0	0	0	0	
11:15	0	0	0	0	П	0	0	0	0	
11:30	0	0	0	0	П	0	0	0	0	
11:45	0	0	0	0		0	0	0	0	
H/TOT	0	0	0	0		0	0	0	0	

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 2 DATE: 10/26/2015

LOCATION: A487 DAY: MONDAY

TIME			MENT 1 ASTBOUND				EMENT 2 /ESTBOUND	
111112	PED	PCL	HORSE & RIDER	тот	PED	PCL	HORSE & RIDER	тот
12:00	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0
н/тот	0	0	0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0
13:15	0	1	0	1	0	1	0	1
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
н/тот	0	1	0	1	0	1	0	1
14:00	0	0	0	0	0	1	0	1
14:15	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0
н/тот	0	0	0	0	0	1	0	1
15:00	0	1	0	1	0	0	0	0
15:15	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
н/тот	0	1	0	1	0	0	0	0
P/TOT	0	8	0	8	0	6	0	6

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 1 DATE: 10/27/2015

LOCATION: A487 (National Cycle Route 8) DAY: TUESDAY

TIME			MENT 1 BOUND		MOVEMENT 2 WESTBOUND				
	PED	PCL	HORSE & RIDER	тот		PED	PCL	HORSE & RIDER	тот
8:00	1	0	0	1		0	0	0	0
8:15	0	1	0	1		1	0	0	1
8:30	0	1	0	1		0	0	0	0
8:45	0	1	0	1		0	0	0	0
н/тот	1	3	0	4		1	0	0	1
9:00	0	0	0	0		1	1	0	2
9:15	0	1	0	1		0	0	0	0
9:30	0	1	0	1		0	0	0	0
9:45	0	0	0	0		1	0	0	1
н/тот	0	2	0	2		2	1	0	3
10:00	0	1	0	1		0	0	0	0
10:15	2	0	0	2		1	0	0	1
10:30	0	0	0	0		0	0	0	0
10:45	1	0	0	1		0	0	0	0
н/тот	3	1	0	4		1	0	0	1
11:00	0	0	0	0		8	0	0	8
11:15	0	0	0	0		0	0	0	0
11:30	0	0	0	0		0	0	0	0
11:45	0	0	0	0		2	0	0	2
н/тот	0	0	0	0		10	0	0	10

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 1 DATE: 10/27/2015

LOCATION: A487 (National Cycle Route 8) DAY: TUESDAY

TIME			MENT 1 BOUND		MOVEMENT 2 WESTBOUND				
	PED	PCL	HORSE & RIDER	тот	PED	PCL	HORSE & RIDER	тот	
12:00	1	0	0	1	0	3	0	3	
12:15	0	0	0	0	0	0	0	0	
12:30	0	0	0	0	1	0	0	1	
12:45	0	0	0	0	0	0	0	0	
н/тот	1	0	0	1	1	3	0	4	
13:00	1	0	0	1	0	0	0	0	
13:15	0	0	0	0	1	0	0	1	
13:30	0	1	0	1	0	0	0	0	
13:45	0	0	0	0	0	0	0	0	
н/тот	1	1	0	2	1	0	0	1	
14:00	0	0	0	0	0	0	0	0	
14:15	0	0	0	0	0	0	0	0	
14:30	0	0	0	0	0	0	0	0	
14:45	0	0	0	0	0	0	0	0	
н/тот	0	0	0	0	0	0	0	0	
15:00	0	0	0	0	0	0	0	0	
15:15	0	0	0	0	0	0	0	0	
15:30	0	0	0	0	0	0	0	0	
15:45	2	0	0	2	0	0	0	0	
н/тот	2	0	0	2	0	0	0	0	
P/TOT	8	7	0	15	16	4	0	20	

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 2 DATE: 10/27/2015

LOCATION: A487 DAY: TUESDAY

TIME			MENT 1 ASTBOUND			MOVEMENT 2 SOUTH/WESTBOUND				
	PED	PCL	HORSE & RIDER	тот		PED	PCL	HORSE & RIDER	тот	
8:00	0	0	0	0	11	0	0	0	0	
8:15	0	1	0	1		0	0	0	0	
8:30	0	1	0	1		0	0	0	0	
8:45	0	1	0	1		0	0	0	0	
н/тот	0	3	0	3	П	0	0	0	0	
9:00	0	0	0	0	Ш	0	1	0	1	
9:15	0	1	0	1		0	0	0	0	
9:30	0	1	0	1		0	0	0	0	
9:45	0	0	0	0	Ш	0	0	0	0	
н/тот	0	2	0	2	П	0	1	0	1	
10:00	0	1	0	1	П	0	0	0	0	
10:15	0	0	0	0		0	0	0	0	
10:30	0	0	0	0		0	0	0	0	
10:45	0	0	0	0	Ш	0	0	0	0	
н/тот	0	1	0	1	П	0	0	0	0	
11:00	0	0	0	0	П	0	0	0	0	
11:15	0	0	0	0	H	0	0	0	0	
11:30	0	0	0	0	П	0	0	0	0	
11:45	0	0	0	0		0	0	0	0	
H/TOT	0	0	0	0		0	0	0	0	

JOB REF: 1508 30

JOB NAME: MACHYNLLETH

SITE: 2 DATE: 10/27/2015

LOCATION: A487 DAY: TUESDAY

TIME			MENT 1 ASTBOUND		MOVEMENT 2 SOUTH/WESTBOUND				
	PED	PCL	HORSE & RIDER	тот	PED	PCL	HORSE & RIDER	тот	
12:00	0	0	0	0	0	3	0	3	
12:15	0	0	0	0	0	0	0	0	
12:30	0	0	0	0	0	0	0	0	
12:45	0	0	0	0	0	0	0	0	
н/тот	0	0	0	0	0	3	0	3	
13:00	0	0	0	0	0	0	0	0	
13:15	0	0	0	0	0	0	0	0	
13:30	0	1	0	1	0	0	0	0	
13:45	0	0	0	0	0	0	0	0	
н/тот	0	1	0	1	0	0	0	0	
14:00	0	0	0	0	0	0	0	0	
14:15	0	0	0	0	0	0	0	0	
14:30	0	0	0	0	0	0	0	0	
14:45	0	0	0	0	0	0	0	0	
н/тот	0	0	0	0	0	0	0	0	
15:00	0	0	0	0	0	0	0	0	
15:15	0	0	0	0	0	0	0	0	
15:30	0	0	0	0	0	0	0	0	
15:45	0	0	0	0	0	0	0	0	
н/тот	0	0	0	0	0	0	0	0	
P/TOT	0	7	0	7	0	4	0	4	

Appendix E

Bus Timetables



CORRIS UCHAF/UPPER CORRIS - MACHYNLLETH (Crynodeb o bob gwasanaethau / Summary of all services)

Lloyd's Coaches

30/34/X27

Llun i Sadwrn o/from 24/09/12 Monday to Saturday

	Ė	Ė	Ė	Ė	Ė		Ė	Ė	Ė	Ė	Ė	Ė		Ė	Ė	Ė	Ė	Ė	Ė	Ė
Côd/Code:		Sch	S&SH		S	twfsh							Sch	SH	Sch		S			
Gweithredwr/Operator:	Lloyds																			
Rhif gwasanaeth/Service No':	34	30	30	34	X27	X27	34	X27	34	X27	34	X27	30	X27	X27	34	X27	34	34	34
MACHYNLLETH Cloc X28	0640	0725	0735	0800	0815	0915	0930	1015	1130	1215	1330	1415		1535	1535		1615	1640	1740	1830
Machynlleth Lloyds Coaches Depo/Depot	0642	0727	0737	0802	0817	0917	0932	1017	1132	1217	1132	1417	1422	1537	1537	1542	1617	1642	1742	1832
Pantperthog	0646	073 I	0741	0806	0821	0921	0936	1021	1136	1221	1336	1421	1426	1541	1541	1546	1621	1646	1746	1836
Canol.y Dec.Am/Centre for Alt.Tec							0937		1137		1337		1427			1547		1647	1747	1837
Escairgeiliog							0941		1141		1341		1431			1551		1651	1751	1841
Corris Braich Goch 32	0653	0736		0813	0826	0926	0945	1026	1145	1226	1345	1426	1435	1546	1546	1555	1626	1655	1755	1845
Corris Institiwt/Institute	0654	0737		0814			0946		1146		1346		1436		1548	1556		1656	1756	1846
ABERLLEFENNI	0658	0741		8180			0950		1150		1350		1441			1600		1700	1800	1850
Corris Braich Goch		0746	0746		0826	0926		1026		1226		1426	1446	1546	1551		1626			1855
Corris Uchaf		0748	0748		0828	0928		1028		1228		1428	1448	1548	1553		1628			1857
Minffordd		0753t	0753t		0833	0933		1033		1233		1433	1453a	1553	1558		1633			

GWELER GWASANAETH X27 AM SIWRNEIAU YCHWANEGOL RHWNG CORRIS UCHAF/BRAICH GOCH A MACHYNLLETH - TOCYNNAU DYCHWELYD GWASANAETH 34 YN DDILYS AR WASANAETH X27 SIWRNAI X32 EXPRESS MOTORS

SEE SERVICE X27 TIMETABLE FOR ADDITIONAL IOURNEYS BETWEEN UPPER CORRIS/BRAICH **GOCH & MACHYNLLETH - 34 SERVICE DAY** RETURN TICKETS VALID ON X27 SERVICE **INCLUDING X32 JOURNEY OPERATED BY** EXPRESS MOTORS

	Ė	Ė		Ė	Ė	Ė	Ė	Ė	Ė	Ė		Ė		Ė	Ė	Ė	Ġ	Ė					
Côd/Code:			Sch								Sch		twfsh		S		NS						
Gweithredwr/Operator:	Lloyds					a																	
Rhif gwasanaeth/Service No':	34	34	34	X27	34	X27	34	X27	34	X27	30	34	X27	34	X27	34	X27	34		_ MA	CHYN	LLETH	4
Minffordd				0910		1110		1310		1510	1515a		1610		1710		1810						_
Corris Uchaf				0915		1115		1315		1515	1520		1615		1715		1815	1902			4		ALLWE
Corris Braich Goch				0917		1117		1317		1517	1522		1617		1717		1817	1904				-	A
ABERLLEFENNI	0700	0820	0900		0955		1155		1355		1528	1605		1705		1805					- E		9
Corris Institiwt/Institute	0704	0826	0904		0959		1159		1359			1609		1709		1809							0
Corris Braich Goch	0705	0825	0905	0917	1000	1117	1200	1317	1400	1517		1610	1617	1710	1717	1810	1817	1904			1	•	0
Escairgeiliog	0709	0830	0909		1004		1204		1404			1614		1714		1814		1908				OWNRD	
Can.y Dec.Am/Centre for Alt.Tec	0712	0834	0912		1007		1207		1407			1617		1717		1817		1911			V480	NEWTON	-
Pantperthog	0713	0835	0913	0921	1008	1121	1208	1321	1408	1521		1618	1621	1718	1721	1818	1821	1912			Θ	, W	
Machynlleth Lloyds Coaches Depo/Depot	0717	0839	0917	0925	1012	1125	1212	1325	1412	1525		1622	1625	1722	1725	1822	1825	1916			£ C	7	
MACHYNLLETH Llew Coch / Red Lion					1015mc		1215mc					1625mc											₹.
MACHYNLLETH Cloc	0720	0845	0920	0927	CC	1127	CC	1327	1415	1527		CC	1627	1725	1727	1825	1827	1919					
	c-X28		c-X28	•	c-X28	•	c-X28	c-X28	c-X28	c-X28													

COD

- Yn ymestyn i/o Abergynolwyn (gweler tabl 30)
- Mae'r bws yn ymestyn i Cae Crwn/Meddygfa Machynlleth Llun i Gwener
- c-X28 Yn cysylltu gyda gwasanaeth X28 (Machynlleth Aberystwyth) yn Machynlleth Cloc
- Yn gweithredu i safle bws Machynlleth Cloc ar ddydd Sadwrn
- Yn gweithredu ar ddydd Sadwrn yn unig S
- Sch Dyddiau ysgol yn unig
- Yn gweithredu ar wyliau ysgol yn unig
- Yn ymestyn i Tywyn (gweler tabl 30)
- twfsh Dydd Mawrth, Mercher a Gwener yn ystod gwyliau ysgol
- Defnyddir bws llawr isel ar y gwasanaeth hwn fel arfer
- bocs Cysylltiad ar gael gyda'r llwybr a ddangosir yn y bocs ar y chwith

CODE

a

CC

- Extends to/from Abergynolwyn (see table 30) -
- Bus extends to Cae Crwn/Machynlleth Surgery Monday to Friday -Connects with service X28 (Machynlleth - Aberystwyth)
 - at Machynlleth Clock c-X28
 - Operates to the bus stop by Machynlleth Clock on Saturdays -
 - Operates on Saturday only -S
 - School days only Sch
 - Operates school holidays only -
 - Extends to Tywyn (see table 30) -
 - Tuesday, Wednesday, Friday during school holidays twfsh
 - Low floor bus normally used on this journey -

For connections available see table shown in box on the left - box



eich cwmni lleol teuluol | your local family company

MACHYNLLETH - CAE CRWN Lloyd's Coaches **Dydd Llun i Gwener** o/from 02/04/12 **Monday to Friday** MACHYNLLETH Cloc 0845 0915 1115 ---- 1315 1520 MACHYNLLETH Llew Coch / Red Lion 0846 0916 1016 1116 1216 1316 1521 1626 Cae Crwn 0850 0920 1020 1120 1220 1320 1525 1630 Canolfan lechyd Machynlleth Health Centre 0852 0922 1022 1122 1222 1322 1527 **MACHYNLLETH** Gwesty Wynnstay Hotel 0854 0926 1026 1126 1226 1326 1531 **MACHYNLLETH** Cloc ---- 0927 ---- 1127 1327 1532 1637 0856 1028 1228 Machynlleth depo Lloyds Coaches depot

CÔD CODE

- Mae'r bws yn ymestyn i Aberllefenni ar wasanaeth 34

Bus extends to Aberllefenni as service 34 -

LLOYDS COACHES t: 01654 702 100 e: info@lloydscoaches.com w:www.lloydscoaches.com



MACHYNLLETH - ABERYSTWYTH

			o/fro	m 02/11	/2015												
Llun i Sadwrn								TL	V20 C4	!'!	. :				turday		Sundays and
Gweithredir gwasanaeth X28 Coastliner fel arfer gan fysiau deulawr modern hawdo	l mynd iddynt								_			y operated t		easy access	double deck	er venicies	Public Holidays
Côd/Code:	F	ら NS	Sch	S&SH	ら Sch	Ġ.	Ŗ.	Ŗ.	£	F	F	Sch	는. S&SH	الى Sch	F	Ł	Ŀ
Rhif gwasanaeth/Route number:	X28	X28	YP04	X28	X28	X28	X28	X28	X28	X28	X28	X28	X28	X28	X28	X28	X28
Machynlleth Depo/Depot	0645	0725		0745	0745	0850	0925	1025	1125	1225	1325	1345	1425	1425	1525	1635	0808
MACHYNLLETH Cloc cyrr./arr.	_		1						1126								
MACHYNLLETH Cloc gad./dep. 34/34A/X27/X29/	12 0650	0730	0755	0750	0750	0855	0930	1030	1130	1230	1330	1350	1430	1430	1530	1640	0810
Derwenlas Black Lion		0733	0758	0753	0753	0858	0933	1033	1133	1233	1333	1353	1433	1433	1533	1643	0813
Glandyfi	0657	0737	0802	0757	0757	0902	0937	1037	1137	1237	1337	1357	1437	1437	1537	1647	0817
Eglwysfach P.0.	0659	0739	0804	0759	0759	0904	0939	1039	1139	1239	1339	1359	1439	1439	1539	1649	0818
Furnace	0701	0741	0806	1080	1080	0906	0941	1041	1141	1241	1341	1401	1441	1441	1541	1651	0819
Tre'r Ddôl Wildfowler	0707	0747	0812	0807	0807	0912	0947	1047	1147	1247	1347	1407	1447	1447	1547	1657	0823
Tre Taliesin	0709	0749	0814	0809	0809	0914	0949	1049	1149	1249	1349	1409	1449	1449	1549	1659	0825
Talybont Sgwâr/Square	0712	0752	0817	0812	0812	0917	0952	1052	1152	1252	1352	1412	1452	1452	1552	1702	0829
Bow Street Swyddfa'r Bost/Post Office	0719	0758	0824	0820	0820	0924	0959	1059	1159	1259	1359	1419	1459	1459	1559	1709	0835
Comins Coch		1080		0823	0823	0927	1002	1102	1202	1302	1402		1502	1502	1602	1712	
Waunfawr am/for Ysgol Penglais School		0805	ур	0828	0830y	0932	1007	1107	1207	1307	1407		1507	1507y	1607	1717	
Ysbyty Bronglais Hospital	0723	8080		083 I	0834	0935	1010	1110	1210	1310	1410		1510	1518	1610	1720	0838
ABERYSTWYTH Gors. Bws/Bus Stn. Saf./Std 4	0725	0810		0836	0839	0938	1013	1113	1213	1313	1413	1425	1513	1520	1613	1723	0840
ABERYSTWYTH Gors. Bws/Bus Stn. Saf./Std 4		0815		0838	0840		1015	1115	1215	1315	1415				1615	1725	
Swyddfeydd Cyngor Sir Ceredigion Council Offices		0817		0840	0842		1017	1117	1217	1317	1417				1617	1727	
Aberystwyth Morrisons		0819		0842	0844		1019	1119	1219	1319	1419				1619	1729	
	Ė		Ġ	Ġ	Ġ	Ġ	Ġ	Ġ	Ġ	Ġ		Ġ	Ġ	Ġ	Ġ		Ŀ
Côd/Code:	NS	Sch							S&SH	Sch	Sch						
Rhif gwasanaeth/Route number:	X28	X28	X28	X28	X28	X28	X28	X28	X28	X28	YP04	X28	X28	X28	X28		X28
Aberystwyth Morrisons	0820		0920	1020	1120	1220	1320	1420				1620	1730				
Swyddfeydd Cyngor Sir Ceredigion Council Offices	0821		0921	1021	1121	1221	1321	1421				1621	1731				
ABERYSTWYTH Gors. Bws/Bus Stn. Saf./Std 4	0825		0925	1025	1125	1225	1325	1425				1625	1735				1645
ABERYSTWYTH Gors. Bws/Bus Stn. Saf./Std 4	0830	0910	0930	1030	1130	1230	1330	1430	1530	1530		1630	1740	1845	2045		1645
Ysbyty Bronglais Hospital	0832	0912	0932	1032	1132	1232	1332	1432	1532	1532		1632	1742	1847	2047		1647
Waunfawr am/for Ysgol Penglais School	0835		0935	1035	1135	1235	1335	1435	1535	1535	ур	1635	1745				
Comins Coch	0839		0939	1039	1139	1239	1339	1439	1539	1539		1639	1749				
Bow Street Swyddfa'r Bost/Post Office	0842	0917	0942	1042	1142	1242	1342	1442	1542	1542	1541	1642	1752	1852	2052		1650
Talybont Sgwâr/Square	0848	0923	0948	1048	1148	1248	1348	1448	1548	1548	1547	1648	1758	1858	2058		1656
Tre Taliesin	0851	0926	0951	1051	1151	1251	1351	1451	1551	1551	1552	1651	1801	1901	2101		1700
Tre'r Ddôl Wildfowler	0853	0928	0953	1053	1153	1253	1353	1453	1553	1553	1557	1653	1803	1903	2103		1703
Furnace	0859	0934	0959	1059	1159	1259	1359	1459	1559	1559	1607	1659	1809	1909	2109		1707
Eglwysfach P.O.	0901	0936	1001	1101	1201	1301	1401	1501	1601	1601	1609	1701	1811	1911	2111		1708
Glandyfi									1603								1709
Derwenlas Black Lion									1606								1713
MACHYNLLETH Cloc cyrr./arr.		0945															1715
			1010	1110	1210	1310	ITIU	1310	1010	1010	1010	1/10	1020	1/20	2120		1713
MACHYNLLETH Cloc gad./dep.									1611								1715

COD

Machynlleth Depo/Depot

NS - Dim ar ddydd Sadwrn
Sch - Tin pweithrediu un unig pa mae Yspolion Penelais â Phenweddig yn agored
S&S - Dydd Sadwrn ac ar dyddiau gwyliau Ysgol Penelais yn unig
y - In pweithrediu i Ysgol Penelais am 0832 / 1515 ar ddyddiau pan mae'r ysgol yn agored
yp Gweithredu I Penweddig am 0832/1530

Not Saturdays -Only operates when Penelais & Penewedig schools are open -Saturdays & Ysgol Penelais school holidays -Operates to Penelais School at 0832/1515 on school days when the school is open -operates to Penweddig by 0832/1530

NS Sch S&SH

1717

CODE

______ - Defnyddir bws llawr isel ar y gwasanaeth hwn fel arfer | Bocs | - Yn aros hyd at 10 munud gysylltiad gyda gwasanaethau 34/X27/X29

Low floor bus normally used on this journey - Awaits up to 10 minutes for connection with services 34/27/29 -

0912 0947 1012 1112 1212 1312 1412 1512 1612 1612 1620 1712 1822 1922 2122

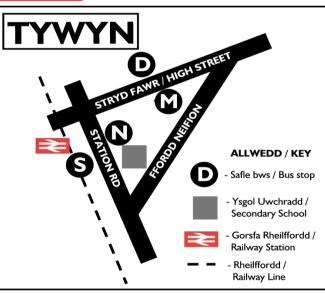


LLOYDS COACHES

Llun i Sadwrn	/from 04/09/12					l	Mond	ay to	Saturday	Suliau a			Sundays &
										Gwyliau Cy			Public Holidays
	•						•		•		o/tro	m 01/0) 4 / 1
	Ł.	Ė	5	Ġ	Ŀ	ひ	Ĕ	F	Ł.				
Côd/Code:	NS											Н	
Rhif gwasanaeth/Route number:	X29	X29	X29	X29	X29	X29	X29	X29	X29	X29	X29	X29	
Llanegryn	0640									*	*	*	_
Bryncrug	0645									*	*	*	
TYWYN St. Fawr/High St. (M)	28 0650	0850	1050	1250	1450yt	1615	1700	1720	1805	1215	1615	2015	
Tywyn Gors. Tren/Rail. Stn. (N)	0651	085 I	1051	1251	1451	1616	1701	1721	1806	1216	1616	2016	
Tywyn Ysbyty/Hospital	0652	0852	1052	1252	1452	1617	1702	1722	1807	1217	1617	2017	
Aberdyfi Cofadail/Cenotaph	0700	0900	1100	1300	1500	1625	1710	1730	1815	1225	1625	2025	
Cwrt	0710	0910	1110	1310	1510	1635	1720	1740	1825	1235	1635	2035	
Pennal	0712	0912	1112	1312	1512	1637	1722	1742	1827	1237	1637	2037	
Machynlleth Lloyds Coaches Depo/Depot	0722	0923	1123	1323	1523	1648	1733	1753	1837	1245	1645	2045	
MACHYNLLETH Cloc cyrr./arr.		0925	1125	1325	1525	1650	1735	1755	1840	1250	1650	2050	
	c-X28	c-X28	c-X28	c-X28	c-X28			c-X28					
	Ė		Ė	Ġ	Ė	Ė	Ġ	Ġ					
Côd/Code:			C.	Ċ.	C.	C.	C.	Ċ.				н	
•	NS	Van	Van	Van	Van	Van	Van	van		Van	Van	П Х29	
Rhif gwasanaeth/Route number:	T2 X28 0600	X29 0720	X29 0755	X29	X29 1215	X29	X29	X29		X29	X29		
							1625	1715			1330		
Machynlleth Lloyds Coaches Depo/Depot		0722			1217	1412	1627	1712					
Pennal		0728					1633				1340		
Cwrt		0730		1025	1225	1420	1635	1725		0942	1342		
Aberdyfi gyf Cofadail/ opp Cenotaph										1001			
Tywyn Ysbyty/Hospital		0748			1244	1437	1654	1744				1801	
Tywyn Gors. Tren/Rail. Stn. (S)		0749	0025	1045	1245	1440	1/55				1402		
Ysgol Uwchradd Tywyn High School (Ffordd Ne			0825	1045	1245	1440	1655			1004	1404	1004	
TYWYN St. Fawr/High St. (M)	0(30	0750	0828	1047	1247	1442yt		174/		1004	1404	1804	
TYWYN St. Fawr/High St. (D)	0630	0750 *						1746		*	*	*	
Tywyn Sinema/Cinema								1747r		*	*	*	
Bryncrug	0634							1750r		*	*	*	
Llanegryn	0637	不						1753r		*	不	本	

Siwrneiau ychwanegol ar ddyddiau ysgol

Bus:	528A	528A
Côd/Code:	Sch	Sch
Rhif gwasanaeth/Route number:	528	528
Llangelynin Church	0800	1515
Rhoslefain	0803	1518
Llanegryn	0807	
Bryncrug	0815	1521
TYWYN St. Fawr/High St. (M)	0821	
Tywyn Gors. Tren/Rail. Stn. (N)	0822	
Ysgol Uwchradd Tywyn	0825	
Ysgol Penybryn School		1525
Bus:	528A	528A
Côd/Code:	Sch	Sch
Rhif gwasanaeth/Route number:	528	528
TYWYN St. Fawr/High St. (D)	0750	
Ysgol Uwchradd Tywyn		1447
Bryncrug	0754	1457
Llanegryn		1505
Rhoslefain	0757	1509
Llangelynin Church	0759	1512
	-	



TOCYN 5 DIWRNOD GAR GAEL RHWNG TYWYN, MACHYNLLETH AC ABERYSTWYTH

£25.00 OEDOLYN/ £12.50 PLENTYN (hyd at 16 oed)

5 DAY WEEKLY TICKET AVAILABLE BETWEEN TYWYN, MACHYNLLETH & ABERYSTWYTH

£25.00 ADULT / £12.50 CHILD (until 16th birthday)

CÔD

c-X28 - Yn cysylltu gyda gwasanaeth X28 (Machynlleth - Aberystwyth) yn Machynlleth Cloc

Col - Dyddiau coleg yn unig

- Yn gweithredu o'r dydd Sul cyntaf ym mis Gorffennaf i'r dydd Sul diwethaf ym mis Awst pob blwyddyn (yn cynnwys gwyliau cyhoeddus yn ystod y cyfnod hwn)

NS - Dim ar ddydd Sadwrn

- yn gweithredu ar gais yn unig rhwng Tywyn a Lanegryn

Sch - Dyddiau ysgol yn unig

S&SH - Dydd Sadwrn ac ar dyddiau gwyliau Ysgol Penglais yn unig

- Yn ymestyn i/o Ysgol Uwchradd Tywyn ar ddyddiau ysgol

6. - Defnyddir bws llawr isel ar y gwasanaeth hwn fel arfer

- Gweler tabl 28 am wasanaeth cyswllt rhwng Tywyn a Dolgellau

Connects with service X28 (Machynlleth - Aberystwyth) at Machynlleth Clock -

College days only -Col

CODE

Operates from the first Sunday in July to the last Sunday in

August every year (including public holidays during this period) -Н

> NS Not Saturdays -

Operates on request only between Tywyn & Llanegryn -

Operates school days only - Sch

Saturdays & Ysgol Penglais school holidays - S&SH

Extends to/from Tywyn High School on school days only yt

Low floor bus normally used on this journey -

See table 28 for connecting service between Tywyn & Dolgellau -

×28 - Yn aros am wasanaeth X28 (Aberystwyth - Machynlleth) ym Machynlleth Cloc Awaits connection with X28 service (Aberystwyth - Machynlleth)at Machynlleth Clock - X28



eich ewmni lleol teuluol | your local family company

BANGOR - PORTHMADO											T2 Tra		
Monday to Saturday			With effec	ct from 2 N	ovember 2	015					, Holiday		
		Ġ.	Ŀ	Ġ	Ġ	Ŀ	Ġ	Ġ.	Ġ	Ė	Ġ.	Ŀ	Ġ
Gweithredwr/Operator			EXPRESS	6			EXPRESS	;					
	X28	X28	T2	T2	T2	T2	T2	T2	T2	X28	T2	T2	T2
BANGOR, Cloc Safle/Stop (B) gad/dep			09:15	11:15	13.25	15:25	17:20		19:35		09:15	13:15	17:4
Bangor, Gorsaf Trên/Rail Station (H)			09:18	11:18	13.28	15:28	17:23		19:38		09:18	13:17	17:4
Coleg Menai			09:22	11.22	13.32	15.32	17:25		19.42		09.22	13.19	17.5
Ysbyty Gwynedd			09:28	11.28	13.38	15.38	17:30		19.48		09.28	13.25	17.5
Y Felinheli, Y Fictoria											09.33	13.30	18.0
CAERNARFON, Safle/Stop C cyrr/arr			09:41	11:42	13:52	15:52	17:43		20:02		09:41	13:40	18:1
CAERNARFON Safle/Stop C gad/dep			09:45	11:43	13:53	15:53	17:45		20:03		09:45	13:40	18:1
Bontnewydd			09:50	11.48	13.58	15.58	17:50		20.08		09.50	13.45	18.1
Groeslon							17:55				09.55	13.50	18.2
PENYGROES			09:58	11.56	14.06	16.06	18:00		20.16		10.00	13.53	18.2
Llanllyfni											10.02	13.55	18.2
Pant-Glas							10:15				10.10	14.03	18.3
Garndolbenmaen Dolbenmaen			10:08	12.06	14.16	16.16	18:15 18:17		20.26		10.15	14.09	18.3
Penmorfa			10:08	12.09	14.19	16.19	18:17		20.29		10.19	14.17	18.4
TREMADOG, Sgwâr/Square			10:17	12.09	14:15	16.19	18:30		20.29		10.19	14.17	18.4
Porthmadog, Gorsaf Trên/Rail Station			10:17	12:13	14:28	16.28	18:33		20.38		10.22	14.19	18.4
Porthmadog Sportsman			10:21	12:19	14:29	16.29	18:34		20.39		10.24	14.21	18.5
PORTHMADOG cyrr/arr			10:23	12:19	14:29	16:29	18:35		20:39		10:25	14:25	18:5
PORTHMADOG gad/dep			10:25	12:25	14:35	16:35	18:35		20:41		10:25	14:25	18:5
Minffordd			10:30	12:30	14:40	16.40	18:40		20.46		10.30	14.30	18.5
Penrhyndeudraeth			10:33	12:33	14:43	16.43	18:43		20.49		10.33	14.33	18.5
TAN-Y-BWLCH, Oakeley Arms (A)			10:40	12:40	14:50	16:50	18:50		20:56		10:45	14:40	19:0
Gellilydan			10:46	12:46	14:56	16.56	18:55		21.02		10.50	14.46	
TRAWSFYNYDD, Cross Foxes			10:52	12:52	15:02	17.02	19:02		21.07		10.55	14.52	
Trawsfynydd, Bryn Glas				12:52	15:02	17.02			21.07		10.55	14.52	19.1
Bronaber			10:58	12:58	15:08	17.08	19:07		21.12		11.00	14.58	19.1
Ganllwyd			11:04	13:04	15:14	17.14	19:08		21.18		11.05	15.04	19.2
Ty'n y Groes			11:05	13:05	15:15	17.15	19:09		21.19		11.06	15.05	19.2
Llanelltyd, Bro Cymmer			11:10	13:10	15:20	17.20	19:13		21.24		11.10	15.10	19.2
Dolgellau Coleg Meirion Dwyfor			11:13	13:13	15:23	17.23	19:16		21.27		11.13	15.13	19.3
DOLGELLAU, Sgwâr Eldon Square cyrr/arr			11:15	13:15	15:25	17:25	19:18		21:30		11:15	15:15	19:3
DOLGELLAU , Sgwâr Eldon Square gad/dep			11:20	13:20	15:30	17:35		19:35	21:31		11:20	15:20	19:3
Minffordd			11:35	13:35	15:45	17:50		19:50	21:46		11:35	15:35	19:5
Corris Uchaf			11:40	13.40	15.50	17.55		19.55	21.51		11.40	15.40	19.5
Corris, Braich Goch			11:42	13.42	15.52	17.57		19.57	21.53		11.42	15.42	19.5
Pantperthog, CAT A487	06.45		11:45	13.45	15.55	18.00		20.00	21.56		11.45	15.47	20.0
MACHYNLLETH, Gorsaf Trên/Rail Station	06:45	00.50	11:53	13:48	15:58	18:03		20:03	21:59	08:08	11:53	15:51	20:0
MACHYNLLETH, Clos gad/dop	06:46	08:50	11:55	13:50	16:00	18:05		20:05	22:01	08:10	11:55	15:53	20:0
MACHYNLLETH, Cloc gad/dep Tre'r Ddol	06:50 07:07	08:55 09:12	12:00 12:15	13:55 14:10	16:00 16:15	18:05 18:20		20:05 20:20		08:10 08:23	12:00 12:18	16:00 16:18	
Talybont	07:07	09:12	12:15	14:10	16:20	18.28		20.28		08.29	12.18	16.25	
Bow Street	07.12	09.17	12:23	14:15	16:24	18.35		20.28		08.29	12.26	16.25	
Comins Coch		09.27	12.50	14:23	16:27	10.55		20.55			12.20		
Ysbyty Bronglais Hospital	07.23	09.35	12:34	14:31	16:33	18.39		20.39		08.38	12.39	16.39	
ABERYSTWYTH, Gorsaf Trên/Rail St arr	07:25	09.38	12:36	14:34	16:35	18:40		20:40		08:40	12:41	16:41	
ABERYSTWYTH, Gorsaf Trên/Rail St dep				14:35	16:35						12:41		
ABERYŞTWYTH, Morrisons				14:36	16:40						12:45		
CÖD NS - Dim ar ddydd Sadwrn R - Ar gais yn unig Sch - Yn gweithredu un unig pan mae Ysg S&SH - Dydd Sadwrn ac ar dyddiau gwyliau t# - Siwrnai trên Trenau Arriva Cymru, c - Defnyddir bws llawr isel ar y gwasa	Ysgol Peng cysylltwch â	glais yn un 10871 200	ig			Arriva		S es rail jour	aturdays & ney, teleph	Ysgol Peng one 0871 20	On requ lig schools a lais school l 00 22 33 fo	aturdays - Jest only - Jare open - Holidays - r details -	Sc S&S
- Defnyddir bws llawr isel ar y gwasa Bocs - Yn aros hyd at 10 munud am gysyllt	naeth hwn f	fel arfer						Lo	w floor bus	normally ι	ised on this vices showi	journey -	₽ Bo



eich ewmni lleol teuluol | your local family company

BANGOR - PORTHMADO Monday to Saturday			Ġ.				Ŀ	T	Æ		ay and Holiday	awsCy	
			Q.	F	<u></u>	F	F	<u></u>	Ġ.	5	Ġ	F	
Gweithredwr/Operator	T2	T2	T2	EXPRESS T2	T2	T2	EXPRESS T2	X28	X28	T2	T2	T2	X28
Aberystwyth Morrisons					15:30	17:55							
ABERYSTWYTH , Gorsaf Trên/Rail Station					15:35	18:00							
Aberystwyth , Gorsaf Trên/Rail Station		07:35	10:00	13:55	15:40	18:05		18:45	20:45		08:45	13:55	16:4
Ysbyty Bronglais Hospital		07.37	10.02	13:57	15.42	18.07		18.47	20.47		08.47	13.57	16.4
Comins-Coch		07.44			15.49	18.14							
Bow Street		07.47	10.12	14:02	15.52	18.17		18.55	20.55		08.55	14.02	16.5
Talybont		07.53	10.18	14:08	15.58	18.23		19.02	20:58		09.02	1408	16.5
Tre'r Ddol		07.58	10:23	14:13	16:03	18:28		19:03	21:03		09:07	14:13	17:0
MACHYNLLETH, Cloc cyrr/arr		08.15	10:35	14:30	16:25	18:45		19:22	21:20		09:30	14:30	17:1
MACHYNLLETH, Cloc gad/dep	07:30	08.20	10:40	14:35	16:30	18:50					09:30	14:35	17.1
Machynlleth Gorsaf Trên/Rail Station	07:32	08.22	10.42	14:37	16.32	18.52				06:02	09.32	14.37	17.1
Pantperthog, CAT A487	07:36	08.26	10.46	14:41	16.36	18.56				06:06	09.36	14.45	
Corris, Braich Goch	07:41	08.31	10.51	14:46	16.41	19.01				06:11	09.41	14.48	
Corris Uchaf	07:43	08.33	10.53	14:48	16.43	19.03				06:13	09.43	14.50	
Minffordd	07:48	08.38	10:58	14:53	16:48	19:08				06:15	09:48	14:53	
DOLGELLAU, Sgwâr Eldon Square cyrr/arr	08:00	08.50	11:10	15:10	17:00	19:20				06:30	10:05	15:05	
DOLGELLAU, Sgwâr Eldon Square gad/dep	08:00	09.00	11:20	15:20	17:35		19:35			06:30	10:15	15:20	
Dolgellau, Coleg Meirion Dwyfor	08:03	09.03	11.23	15:23	17.38		19:38			06:32	10.18	15.23	
Llanelltyd, Bro Cymmer	08.05	09.05	11.25	15:25	17.40		19:40			06:35	10.20	15.25	
Ty'n y Groes	08.10	09.10	11.30	15:30	17.45		19:44			06:40	10.25	15.30	
Ganllwyd	08.11	09.11	11.31	15:31	17.46		19:45			06:41	10.26	15.31	
Bronaber	08.17	09.17	11.37	15:37	17.52		19:50			06:47	10.32	15.37	
Trawsfynydd, Bryn Glas	08:23	09:23	11:43		17:58						10.37	15.38	
TRAWSFYNYDD, Cross Foxes	08:23	09.23	11.43	15:43	17.58		19:55				10.38	15.45	
Gellilydan	08:29	09.29	11.49	15:49	18.04		20:02				10.44	15.49	
TAN-Y-BWLCH, Oakeley Arms (B)	08:35	09.35	11:55	15:55	18:10		20:10			06:55	10:50	15:55	
Penrhyndeudraeth	08:40	09.40	12.00	16:00	18:16		20:17			07:00	10.55	16.00	
Minffordd	08:42	09.42	12.02	16:02	18:17		20:19			07:02	10.57	16.02	
PORTHMADOG, Parc cyrr/arr	08:50	09.50	12:10	16:08	18:25		20:19			07:02	11:05	16:08	
PORTHMADOG, Parc gad/dep	08:50	09.55	12:15	16:10	18:25		20:26			07:10	11:05	16:10	
Porthmadog, Tesco	08:52	09.57	12.17	16:12	18.27		20:27			07:11	11.06	16.12	
•	08:52	09.58	12.17	16:12	18:28		20:27			07:11	11.06	16.12	
Porthmadog, Gorsaf Trên/Rail Station TREMADOG, Sgwâr/Square	08:54	09.59	12.19	16:14	18.29		20:27			07:12	11.07	16.14	
Penmorfa	08:57	10.02	12.22	16:17	18.32		20:33			07:16	11.10	16.17	
Garndolbenmaen	06.37	10.02		10.17	10.32								
	09:05	10.10	12.30	16:25	10.40		20:41			07:25	11.18 11.20	16.25 16.27	
Glandwyfach Pant Glas		10.10	12.50	10.23	18.40		20:43			07.23			
							20:47				11.24	16.31	
Llanllyfni	10.15	10.20	12.40	16.25	10.50		20.51			07,25	11.32	16.34	
PENYGROES	10:15	10.20	12.40	16:35	18.50		20:51			07:35	11.34	16.37	
Groeslon	10:25	10.20	12:50	16.45	10:00		20:56			07:45	11.38	16.40	
BONTNEWYDD	10:25	10.30	12:50	16:45	19:00		21:01			07:45	11.43	16.45	
CAERNARFON, Safle/Stop (A) cyrr/arr	09:28	10.33	12:53	16:50	19:03		21:06			07:50	11:48	16:50	
CAERNARFON, Safle/Stop (A) gad/dep	09:30	10.35	12:55	16:50	19:05		21:06			07:50	11:48	16:50	
Y Felinheli. Fictoria	00:43	10.40	12.00	17:02	10:10		24.20				11.53	17.02	
YSBYTY GWYNEDD	09:43	10.48	13:08	17:03	19:18		21:20			08:03	11.59	17.03	
Coleg Menai	09:47	10.52	13:12		19:22					08:07			
Bangor, Gorsaf Trên/Rail Station (J)	09:52	10.58	13:18	17:10	19:28		21:25			08:13	12:11	17:10	
BANGOR, Cloc	09:55	11:00	13:20	17:12	19:30		21:27			08:15	12:13	17:12	

CÖD

Not Saturdays - Saturdays - Saturdays & Ysgol Penglais saturdays - Saturdays & Ysgol Penglais school holidays - Saturdays & Ysgol Penglais s

t: 01654 702 100