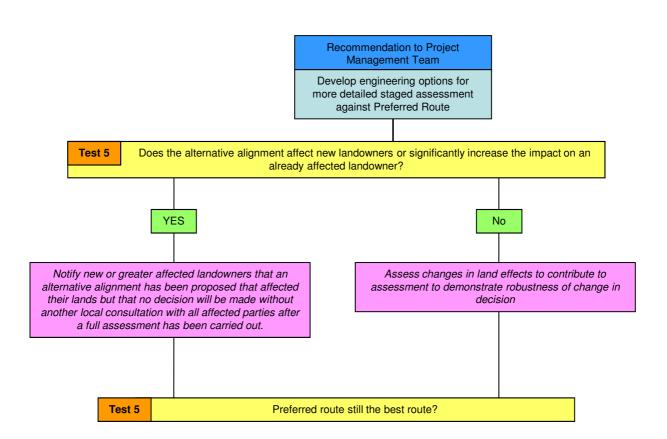






Landowner Flowchart







| TECHNICAL BRIEFING PAPER | No: | 4 |
|---|-------|---------|
| SUBJECT: Assessment of Alternative Alignments Proposed by Landowners and Others | Date: | 19/9/09 |
| AUTHOR: PGE | | |
| | | |

REFERENCE DOCUMENTS: Attached Flowcharts; Decision Register

DISCUSSION:

Following publication of the Preferred Route, a number of landowners have proposed alternative alignments at various locations along the route, some being quite short and others longer in length. Invariably these are proposed out of self interest in reducing or removing landtake associated with the scheme. The alternatives proposed by landowners fall into two categories:-i) where landowners request a realignment within their landtake to minimise impacts, use less important land, reduce/remove severance; or ii) where landowners propose a realignment that totally avoids their land. Both types of proposal will, by their nature, have consequences on adjoining lands which will change the impacts on landowners already affected (both positive and negative) and directly affect landowners whose lands were not required for the Preferred Route.

It should be noted that as more and more data becomes available which confirms or revises previous assumptions and decisions, the Mouchel team may also put forward alternatives for consideration. The initial forum to declare such information is the section discipline meeting where the SPM may record for consideration/reality check or open the alternative up for immediate discussion by the various disciplines.

Likewise, Roads Service may suggest an alternative for consideration, either through their own internal discussions or following consultations with landowners. This request will be channelled through the SPMs for the initial filter/reality check.

Roads Service acknowledges that these proposals require due consideration and assessment to demonstrate that any decision making is open, robust and fair. Despite the pressures to give immediate responses, a structured approach is necessary to achieve the correct decision, particularly if that decision may vary the Preferred Route. The process defined in the attached flowcharts identifies the approach to be taken in considering any alternatives proposeds by landowners. This flowchart has been developed to a) achieve delivery of the best scheme; and b) minimise resource and fee required to deliver this process.

The following notes provide guidance in the interpretation of the flowcharts:

A Request to review Option:

Any request by a landowner for an alternative route has to be reasonable and achieve the aims and objectives of the scheme. Once a request is received it is passed to the SPM's who will review all such requests to ensure only realistic options are put to the Project Management Team to be taken forward for consideration.

B GI Contract: Review access/works locations

As this is currently ongoing, it is important that all suggestions for alternatives are passed to the





GI team immediately. Depending on the level of deviation away from the Preferred Route, an assessment will be made on whether a subtle relocation of boreholes and trial pits will provide adequate information for the assessment of both the PR and the alternative (if required).

Test 1: Has a landowner alternative been considered and discounted as part of the route selection process?

Whilst the team members will have an immediate knowledge to answer this question, a review of the previous reports is necessary particularly where a proposal is not on the exact line of a previously discounted route but is covered by the same constraints.

C (Answer to Test 1 is Yes)

Carry out a review of the previous assumptions, data base and decisions made to see if any aspects of the data have changed. (note that this could also be a change in data that makes the Preferred Route a less attractive alignment than before).

D (Answer to Test 1 is No)

If not considered previously but an alternative alignment is valid of further assessment, the SPM will recommend to the Project Management Team that further work is carried out. This needs to be very structured and based on an initial assessment of the key issues associated with the alignment as determined by the SPMs and Fiona Symes. This will be iterative and robust and will only stop if it is demonstrated that the alternative does not replace the Preferred Route.

Test 2: Have assumptions changed/data update?

As described in C above, the initial assumptions/data need reviewing. Note that this is part of the process and is not a blame exercise. The whole team bought into the decisions made previously and if there are genuine changes that challenge previous decisions then they need to be addressed now within the team rather than in public at the public inquiry.

E (Answer to Test 2 is Yes)

If data has changed or new data available then it needs to be re-evaluated and tested against the Preferred Route. Only the discipline where data has changed/new data needs to be assessed.

Test 3: Would recommendation have still been Preferred Route?

Test 3 needs to be asked repeated throughout this assessment process. At any point in the assessment where the alternative fails to prove to be better than the Preferred Route then the SPM's will make a recommendation to the Project Management Team that the assessment stops and the Specimen Design continues to be developed using the Preferred Route.



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F (Answer to Test 3 is No)

If the assessment of any changed data results in an initial indication that an alternative is a better alignment than the Preferred Route, a more detailed and fuller assessment is required. This will be instructed by the Project Management Team. The exact nature of the full assessment will be determined by the SPMs and discipline leaders and form part of the recommendation to the Project Management Team.

Test 4: Preferred route still the best route?

Unlike Test 3 this can only be asked upon completion of the full assessment which culminates in a local AST between the Preferred Route and the alternative alignment including full cost implications for the budget.

G (Answer to Test 4 is No)

This change to the Preferred Route will be presented by the SPMs to the Project Management Team who will in turn present the recommendation to Roads Service. This

H Strategy for Change of Preferred Route

This needs to address the communications strategy to inform all stakeholders and interested parties of the change – from Minister through to landowners. This needs developing to complement the Comms Strategy for the scheme controlled by Rachel Eagleson.

Land Issues:

Test 5: Does the alternative alignment affect new landowners or significantly increase the impact on an already affected landowner?

Where the landownership balance changes then the communication with the community has to be clear and careful to avoid the community blaming landowners affected by the Preferred Route. The message has to be that an alternative route has been put forward and the requirement is to test this route against the Preferred Route. Any change to the Preferred Route will be fully supported by Roads Service as the better route (compared with the announced PR) which meets the aims of the scheme with least impact on the community.

Test 6: Preferred route still the best route?

If the outcome of this test is no then the change needs to be communicated in a controlled manner which may require a community meeting to present the results of the assessment. The approach to be taken can only be decided as the assessment progresses.





Resources and Fees:

The current forecasts by disciplines and SPMs, whilst including development of and input into the specimen design, do include all the assessment that may come out of this approach to dealing with alternative alignments. Resources need to be recorded to enable the budget to be managed and evaluate change controls if necessary. Andy Heap will advise on how this will be managed.

| Reference Number | Location | Design Speed | Chainage | Associated relaxations / Departures | Desirable Minimum (m) | Departure | Number of Steps Below Desirable Minimum |
|---------------------|--|-----------------|------------------|--|--------------------------|-----------------|---|
| | | No Depa | artures from S | Standards for S | ection 1 Mainline* | | |
| Reference Number | Location | Design Speed | Chainage | Associated relaxations / Departures | Desirable Minimum (m) | Relaxation | Number of Steps Below Desirable Minimum |
| S1/ML/R/001 | McKeans Moss Curve (1020m radius) Northbound (Lane 1) | 120A | 12370 - 11020 | - | SSD = 295m | SSD = 215m min. | 1 Step |
| S1/ML/R/001a | McKeans Moss Curve (1020m radius) Northbound (Lane 2) | 120A | 12370 - 11020 | - | SSD = 295m | SSD = 275m min. | 1 Step |
| S1/ML/R/002 | McKeans Moss Curve (1020m radius) Southbound (Lane 2) | 120A | 10860 - 12090 | - | SSD = 295m | SSD = 215m min. | 1 Step |
| S1/ML/R/003 | River Glenmornan crossing (1020m radius) Northbound (Lane 2) | 120A | 13160 - 12850 | - | SSD = 295m | SSD = 215m min. | 1 Step |
| S1/ML/R/004 | River Glenmornan crossing (1020m radius) Southbound (Lane 1) | 120A | 12520 - 12850 | - | SSD = 295m | SSD = 215m min. | 1 Step |
| S1/ML/R/004a | River Glenmornan crossing (1020m radius) Southbound (Lane 2) | 120A | 12700 - 12800 | - | SSD = 295m | SSD = 280m min. | 1 Step |
| S1/ML/R/005 | Park Road crossing (1020m radius) Northbound (Lane 1) | 120A | 13750 - 13420 | - | SSD = 295m | SSD = 215m min. | 1 Step |
| S1/ML/R/005a | Park Road crossing (1020m radius) Northbound (Lane 2) | 120A | 13640 - 13500 | - | SSD = 295m | SSD = 280m min. | 1 Step |
| S1/ML/R/006 | Park Road crossing (1020m radius) Southbound (Lane 2) | 120A | 13140 - 13400 | - | SSD = 295m | SSD = 215m min. | 1 Step |
| S1/ML/R/007 | | | | WITH | DRAWN | | |

| S1/ML/R/008 | North - West of Strabane | 120A | 15640 - 15760 | - | q = 0.3 | q = 0.6 | 1 Step |
|--------------|---|------|------------------|---|------------|-----------------|--------|
| S1/ML/R/009 | North - West of Strabane | 120A | 15890 - 15940 | - | q = 0.3 | q = 0.6 | 1 Step |
| S1/ML/R/010 | North - West of Strabane Northbound (Lane 1) | 120A | 15960 - 15860 | - | SSD = 295m | SSD = 215m min. | 1 Step |
| S1/ML/R/010a | North - West of Strabane Northbound (Lane 2) | 120A | 15940 - 15860 | - | SSD = 295m | SSD = 215m min. | 1 Step |
| S1/ML/R/011 | Junction 1 - West of Newbuildings | 120A | 290 - 340 | - | 255mR | R = 180m | 1 Step |

Appendix 5B – Side Road Schedule – Section 1

| | | | | ge Existing C section enotes footw | | Moven | vay,) from | | posed Cro section notes foo | 1 | | Clo | osure Options | | |
|----------------------------|-----------------------|--------------------------------|-----------------------|--|----------------------|---------|----------------|-----------------------|-----------------------------------|----------------------|----------------------|--|---|------------------------------|--|
| Side Road | Side Road Category | Approx Mainline Chainage | Nearside Verge (m) | Carriageway (m) | Offside Verge (m) | Vehicle | NMN | Nearside Verge (m) | Carriageway (m) | Offside Verge (m) | Over/Under the A5 | Remain Open at All Times (except short off peak periods) | Close During Construction | Permanently Stop Off | Other Comments/details eg. Bus Route, NMU issues, business considerations |
| Dunnalong Road | U | 3900 | 0.5 | 3.8 | 0.5 | 157 | 10 | 2.5 | 6.0 | 2.5 | Over | Yes | No | No | Local School Bus Route Meenagh Road Unsuitable As Alternative (No Right Turn Pocket From A5, Passing Places On Meenagh Road Required) Offline Improves Drainage Options |
| Meenagh Road | U | 4900 | N/A | 2.8 | N/A | 56 | 0 | N/A | N/A | N/A | Over | No | Yes, Provision needed to maintain cattle movements | Yes | Meenagh Road retained for use by the landowner |
| Existing A5, Victoria Road | A | 6400 | 1 | 7.8 | 1 | N/A | N/A | N/A | N/A | N/A | Under | Yes | No | No | Retain Existing A5 Online Level of Existing A5 unchanged |
| Cloghboy Road | U | 6400 | 0.5 | 4.7 | 0.5 | 485 | 8 | 2.5 | 6.0 | 2.5 | N/A | Yes | No | No | School Bus Route |
| Tamnabrady Road (U1813) | U | 7100 | 0.6 | 3 | 1.2 | N/A | N/A | 2.5 | 3.6 | 2.5 | N/A | Yes | No | Yes, but realign ed | Connection to Victoria Road stopped up and realigned to connect to Tamnabrady |

| Donagheady Road | U | 7800 | 0.5 | 4.4 | 0.5 | 216 | 0 | 2.5 | 6.0 | 2.5 | Over | Yes | No | No | School Bus Route |
|------------------------------|---|-------|-----|-----|-----|------|-----|------|-------|------|-------|-----|------------------------------------|------------------------------|---|
| Existing A5, Victoria Road | A | 9100 | 2 | 9 | 2 | 9823 | N/A | 2 | 9 | 2 | Under | Yes | No | No | Retain existing A5 Online. Level of existing A5 unchanged. |
| Willow Road | A | 8900 | 0.5 | 4.3 | 0.5 | 58 | 1 | 2.5* | 3.6* | 2.5* | N/A | Yes | No | No | Run an offline route parallel to the mainline tying in South of the crossing of the A5WTC |
| Ash Avenue | U | 9600 | 0.5 | 3.2 | 0.5 | 45 | 6 | 2.5* | 3.6 | 2.5* | N/A | No | Yes, with suitable local Alt | Yes | Access to be provided Via diversion from Drumenny Road |
| Drumenny Road | U | 10000 | 1.5 | 4 | 1.5 | 79 | 2 | 1.5 | 4.10 | 1.5 | Under | No | Yes, with suitable local alt | No | Drumenny Road to remain as existing |
| Ballydonaghy Road | U | 10900 | 0.5 | 2.9 | 0.5 | 60 | 0 | N/A | N/A | N/A | N/A | No | Yes, with suitable local Alt | Yes, but realign ed | Connected to Moss Road west of A5WTC |
| Moss Road | U | 11000 | 1.5 | 2.3 | 1.5 | 10 | 0 | 1.5 | 2.3 | 1.5 | Under | No | Yes, with suitable local Alt | No | Existing Road to remain as existing. No works proposed. |
| Greenlaw Road | U | 12900 | 0.5 | 3.3 | 0.5 | 18 | 24 | 2.5* | 3.6** | 2.5* | N/A | No | Yes, with suitable local Alt | No | NMU link provided to Park Road North on west side of A5WTC |
| Park Road (North) | U | 13500 | 1.5 | 2.8 | 1.5 | 126 | 18 | N/A | N/A | N/A | Under | No | Yes, with suitable local Alt | No | Park Road to remain as is. Option to use Greenlaw Road during construction as a temporary means of access. |
| Woodend Road (North)(B49) | В | 14750 | 1.0 | 7.0 | 1.0 | 4052 | N/A | 2.5 | 8.0 | 2.5 | N/A | Yes | No | No | New roundabout on existing A5 with connection to B49 |
| Woodend Road (South) | В | 14820 | 1.0 | 7.0 | 1.0 | 4052 | N/A | 2.5 | 8.0 | 2.5 | N/A | Yes | No | No | New roundabout on existing A5 with connection to B49 |

| | | | | | | | | | | | | | | - | |
|-----------------|---|-------|------|------|------|------|----|------|-------|------|-------|-----|---|------------------------------|---|
| Old Park Road | U | 14720 | 1.0 | 6.0 | 1.0 | 126 | 18 | 2.5 | 6.0 | 2.5 | N/A | N/A | Yes, with suitable local Alt | No | |
| Spruce Road | U | 15000 | 0.5 | 3.3 | 0.5 | 150 | 14 | N/A | N/A | N/A | N/A | No | Yes | Yes | Spruce Road to be stopped up. Traffic to be diverted through proposed Junction 3. |
| Park Road South | U | 17100 | 1.0 | 4.5 | 1.0 | 126 | 18 | 2.5* | 6.0** | 2.5* | N/A | Yes | No | No | Realigned via new link road to Lifford road (Junction 4) |
| Urney Road(B85) | В | 19500 | 0.5 | 4.7 | 0.5 | 1686 | 10 | 2.5 | 6.0 | 2.5 | Under | No | No | No | Urney Road to go under Junction 7 Diverted offline to the North West. |
| Carrick Avenue | U | 19600 | 0.5 | 3.1 | 0.5 | 141 | 7 | 2.5 | 6.0 | 2.5 | N/A | Yes | Once new link to Ureny Road Constructed | No | |
| Strahans Road | U | 20500 | 0.75 | 3 | 0.75 | 149 | 32 | 2.5 | 6.0 | 2.5 | Over | Yes | Yes, with suitable local alt | No | Strahans Road to remain mostly on line and to be widened from the existing A5. |
| Bog Lane Road | U | 21100 | N/A | 5.3 | N/A | 168 | 10 | N/A | N/A | N/A | N/A | No | Yes | Yes | Alternative route via Orchard Road and Knockroe Road |
| Knockroe Road | U | 21300 | 0.5 | 4.3 | 0.5 | 106 | 27 | 2.5 | 6.0 | 2.5 | N/A | Yes | Yes, once link to Orchard Road complete | Yes, but realign ed | Connected to Orchard Road south of A5WTC |
| Orchard Road | U | 21500 | 0.5 | 5.15 | 0.5 | 1370 | 0 | 2.5 | 6.0 | 2.5 | Over | Yes | No | No | School Bus Route |
| Peacock Road | U | 22300 | 0.75 | 4.4 | 0.75 | 980 | 5 | N/A | N/A | N/A | N/A | No | Yes | Yes | School Bus Route. Turning heads shown on main drawing. |

| Road Name | Mainline Chainage | Design Speed* | | | Nur | nber of Dep | partures | | |
|--|----------------------|------------------|------------|----------|----------------|-------------|--------------|---------------------|-------|
| | | (kph) | Horizontal | Vertical | Cross -Section | SSD | Combinations | Access Visibility** | Other |
| Junction 1 Existing A5 (North) (Victoria Road) | 385 | 60B | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Junction 1 Existing A5 (South) (Victoria Road) | 445 | 60B | 3 | 1 | 0 | 2 | 2 | 0 | 0 |
| Junction 2 Existing A5 (North) (Victoria Road) | 1770 | 100A | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| Junction 2 Existing A5 (South) (Victoria Road) | 1770 | 100A | 1 | 1 | 0 | 2 | 0 | 0 | 0 |
| Junction 2 Link to A5 WTC | 1770 | 60B | 0 | 3 | 1 | 0 | 0 | 1 | 0 |
| Dunnalong Road | 3900 | 85B | 1 | 2 | 1 | 0 | 1 | 2 | 0 |
| Cloghboy Road | 6400 | 85B | 1 | 3 | 1 | 0 | 0 | 0 | 0 |
| Tamnabrady Road (U1813) | 7100 | 60B | 2 | 1 | 2 | 0 | 3 | 0 | 0 |
| Donagheady Road | 7800 | 85A | 6 | 5 | 0 | 3 | 2 | 10 | 0 |
| Willow Road | 8900 | 70A | 5 | 1 | 1 | 2 | 2 | 0 | 0 |
| Ash Avenue | 9600 | 85B | 7 | 0 | 1 | 2 | 2 | 3 | 0 |
| Drumenny Road | 10000 | 85B | 1 | 2 | 1 | 0 | 1 | 2 | 0 |
| Ballydonaghy Road | 10900 | 70A | 6 | 1 | 1 | 1 | 2 | 0 | 0 |
| Moss Road | 11000 | 85A | 0 | 0 | 1 | 2 | 0 | 1 | 0 |
| Woodend Road (North)(B49) | 14750 | 85A | 6 | 2 | 1 | 2 | 0 | 2 | 0 |
| Woodend Road (South) | 14750 | 85A | 2 | 2 | 1 | 2 | 0 | 3 | 0 |
| Junction 3 Link to East Roundabout | 14720 | 60B | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Junction 3 Link to West Roundabout | 14720 | 70A | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Old Park Road | 14720 | 85B | 0 | 4 | 1 | 2 | 0 | 0 | 0 |
| Park Road South | 17100 | 85B | 4 | 0 | 1 | 2 | 3 | 3 | 0 |
| Junction 4 Roundabout Link | 17650 | 100A | 3 | 0 | 1 | 1 | 0 | 0 | 0 |
| Lifford Road(A38) | 17800 | 70A | 2 | 0 | 0 | 1 | 0 | 1 | 2 |
| Junction 4-5 Link (Lifford Road) | 17800 | 70A | 1 | 0 | 1 | 1 | 0 | 0 | 2 |
| Urney Road(B85) | 19500 | 85B | 4 | 1 | 1 | 5 | 3 | 1 | 0 |

| Carrick Avenue | 19600 | 85A | 2 | 3 | 1 | 2 | 0 | 1 | 0 |
|----------------|-------|-----|---|---|---|---|---|---|---|
| Strahans Road | 20500 | 85B | 2 | 3 | 1 | 2 | 1 | 2 | 0 |
| Knockroe Road | 21300 | 85A | 4 | 1 | 1 | 2 | 1 | 2 | 0 |
| Orchard Road | 21500 | 85A | 0 | 1 | 1 | 2 | 0 | 0 | 0 |

NOTES:

*All side roads are assumed to have a design speed of 100kph. Departures were submitted for a reduction in the design speed based on either, the plated speed pf the road or the calculated design speed using the assessment in TD9/93

** Visibility for all accesses within the proposed modified area were assessed and those all those within SSD of the tie in points.

Appendix 5D – Junction Summary Table – Section 1

| | Junction 1 - New Buildings- Roundabout – Ch450m | | | | | | | | | | |
|-------------------------------------|---|-----|--|----------------|-------------|------------|--|--|--|--|--|
| A5WTC/Existing A5 Roundabout Ch450m | | | | | | | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes | | | | | |
| | | А | North Arm -Existing A5 (Victoria Road) | 1 | 2 | 1 | | | | | |
| 70 | 9.0 | В | West Arm - Proposed A5 | 1 | 2 | 2 | | | | | |
| | | С | South Arm - Existing A5 (Victoria Road) | 1 | 2 | 1 | | | | | |

| | Junction 2 - Newbuildings- Roundabout - Ch1750m | | | | | | | | | | |
|---|---|-----|-----------------------------|----------------|-------------|------------|--|--|--|--|--|
| A5wtc/Existing A5 Link Roundabout Ch1750m | | | | | | | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes | | | | | |
| 75 | 0.0 | А | North Arm - Proposed A5 | 2 | 2 | 2 | | | | | |
| 75 | 9.0 | В | East Arm -Connector Road | 1 | 2 | 1 | | | | | |

| | | С | South Arm - Proposed A5 | 2 | 2 | 2 |
|----------------------------|-----------------------------------|-----|--|----------------|-------------|------------|
| Existing A5 Roundabout Ch1 | 750m | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| | | А | North Arm -Existing A5 (Victoria Road) | 1 | 2 | 1 |
| 45 | 7.0 | В | West Arm - Connector Road | 1 | 2 | 1 |
| | | С | South Arm - Existing A5 (Victoria Road) | 1 | 2 | 1 |

| | Junction 3 - S | trabane Nort | h - Grade Separated Ju | nction - Ch14700m | | |
|--------------------------|-----------------------------------|--------------------------|---------------------------------------|-------------------|-------------------------|------------|
| Junction Slip Name | Junction Type | Design Speed (kph) | Relevant Standard Merge /Diverge Type | | Number of Departures | Comments |
| Junction 3 NB On-Slip | GSJ | 70 | TD40/94 | Type A | 0 | |
| Junction 3 NB Off-Slip | GSJ | 70 | TD40/94 | Туре А | 0 | |
| Junction 3 SB On-Slip | GSJ | 70 | TD40/94 | Туре А | 0 | |
| Junction 3 SB Off-Slip | GSJ | 70 | TD40/94 | Туре А | 0 | |
| Western Roundabout CH147 | 00 | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| 50 | 8.0 | А | North Arm -A5 Northbound On Slip | 0 | 0 | 1 |

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| | | В | East Arm - Link Road | 1 | 2 | 1 |
|----------------------------|-----------------------------------|-----|---|----------------|-------------|------------|
| | | С | South Arm -A5 Northbound Off Slip | 1 | 2 | 0 |
| | | D | West Arm - Old Park Road | 1 | 2 | 1 |
| Eastern Roundabout CH 147 | 00m | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| | | А | North Arm -A5 Southbound Off-Slip | 1 | 2 | 0 |
| 45 | 7.0 | В | East Arm- Link Road | 1 | 2 | 1 |
| | | С | West Arm -Link Road | 1 | 2 | 1 |
| South-Eastern Roundabout (| CH 14700m | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| | | А | North Arm -Existing A5 (Victoria Road) | 1 | 2 | 1 |
| | | В | East Arm- Woodend Road North | 1 | 2 | 1 |
| 80.00 | 9.0 | С | South Arm -Existing A5 (Victoria Road) | 1 | 2 | 1 |
| | | D | South West Arm - A5 Southbound On-Slip | 0 | 0 | 1 |
| | | E | West Arm -Link Road | 1 | 2 | 1 |

Appendix 5D

| | Junction 4 & 5 - | Strabane - Li | fford - Grade Separated | Junction-Ch17700m | | | | | | | |
|---|--|---------------|--|---------------------|-------------------------|------------|--|--|--|--|--|
| Junction Slip Name | Slip Name Junction Type Speeh (kph) | | Relevant Standard | Merge /Diverge Type | Number of Departures | Comments | | | | | |
| Junction 5 SB Off-Slip | GSJ | 70 | TD40/94 | Diverge Taper | | | | | | | |
| Roundabout at Existing A5 Barnhill Road CH 17650m | | | | | | | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes | | | | | |
| | | А | North West Arm -A5 Southbound Off-Slip | 1 | 2 | 0 | | | | | |
| | | В | North Arm - Existing A5 Barnhill Road | 1 | 2 | 1 | | | | | |
| 70 | 9.0 | С | East Arm - Railway Street | 1 | 2 | 1 | | | | | |
| | | D | South Arm -Existing A5 Barnhill Road | 1 | 2 | 1 | | | | | |
| | | E | South West Arm - Link Road to Junction 4 | 1 | 2 | 1 | | | | | |

Roundabout at Lifford Road CH 17800m

| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
|------------------------------|-----------------------------------|-----|---------------------------------------|----------------|-------------|------------|
| | | А | North Arm - Link Road | 1 | 2 | 1 |
| 65 | 9.0 | В | East Arm - Link Road to Junction 5 | 1 | 2 | 1 |
| | | С | South West Arm - Lifford Road | 1 | 2 | 1 |
| Roundabout at Lifford Road (| CH 17500m | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| | | А | North Arm - Park Road | 1 | 2 | 1 |
| 50 | 7.2 | В | East Arm - A5 Northbound On-Slip | 0 | 0 | 1 |
| | | С | South Arm - Link Road | 1 | 2 | 0 |

| | Jun | ction 6 - Stra | abane - Roundabout - Ch1 | .8000m | | |
|------------------------|-----------------------------------|----------------|---|----------------|-------------|------------|
| Roundabout on Ch18000m | | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| | | А | North Arm -Existing A5 (Bradley Way) | 1 | 2 | 1 |
| | | В | East Arm -Bradley Way | 1 | 2 | 1 |
| 50 | 9.0 | С | South Arm - Existing A5 (Great Northern Link) | 2 | 3 | 2 |
| | | D | West Arm (North) - A5 Northbound Off- Slip | 1 | 2 | 0 |
| | | E | West Arm (South) - A5 Southbound On- Slip | 0 | 0 | 1 |

| | Junction 7 - Strabane South- Roundabout - Ch19450m | | | | | | | | | | | | |
|------------------------|--|-----|----------------------------|----------------|-------------|------------|--|--|--|--|--|--|--|
| Roundabout on Ch19450m | | | | | | | | | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes | | | | | | | |
| 70 | 9.0 | А | North Arm - Link to N15 | 1 | 2 | 1 | | | | | | | |

| В | East Arm -Proposed A5 | 2 | 3 | 2 |
|---|----------------------------|---|---|---|
| С | South Arm - Proposed A5 | 2 | 3 | 2 |

| | Junction 8 - Sic | on Mills- Com | pact Grade Separated J | unction - Ch22050m | | | | | | | | |
|-----------------------------|------------------------------------|--------------------------|--|---------------------|-------------------------|------------|--|--|--|--|--|--|
| Junction Slip Name | Junction Type | Design Speed (kph) | Relevant Standard | Merge /Diverge Type | Number of Departures | Comments | | | | | | |
| Junction 8 NB On/Off-Slip | Compact GSJ | 70 | TD40/94 | - | 0 | | | | | | | |
| Junction 8 SB On/Off-Slip | Compact GSJ | 70 | TD40/94 | - | 0 | | | | | | | |
| Roundabout on Existing A5 C | Roundabout on Existing A5 Ch22050m | | | | | | | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes | | | | | | |
| | | А | North Arm - Existing A5 (Melmount Road) | 1 | 2 | 1 | | | | | | |
| 50 | 0.5 | В | East Arm -Link to A5 | 1 | 2 | 1 | | | | | | |
| 50 | 8.5 | С | South Arm - Existing A5 (Melmount Road) | 1 | 2 | 1 | | | | | | |
| | | D | Private Access | 1 | 2 | 1 | | | | | | |

Appendix 6A – Mainline Departures from Standard and Relaxations Summary – Section 2

| Reference Number | Location | Design Speed | Chainage | Associated Relaxations / Departures | Desirable Minimum (m) | Departure | Number of Steps Below Desirable Minimum |
|------------------|---|-----------------|--------------------------------|--|--------------------------|---|---|
| S2/ML/D/002 | Mellon Country Inn (Northbound) | 120A | 40390 - 43545 | n/a | 295m | Reduction in SSD to: 230m min (Lane 2) | 1 step (Lane 2) |
| S2/ML/D/003 | Mellon Country Inn (Northbound) | 120A | 43390 - 43710 | n/a | 295m | Reduction in SSD to: 233m min (Lane 2) | 1 step (Lane 2) |
| Reference Number | Location | Design Speed | Chainage | Associated Relaxations / Departures | Desirable Minimum (m) | Relaxation | Number of Steps Below Desirable Minimum |
| S2/ML/R/016 | River Drumragh crossing (Northbound) | 120A | 57520 - 56690 56470 - 56470 | S2/ML/R/016a S2/ML/R/016b S2/ML/R/016c | 295m | Reduction in SSD to: 215m min (Lane 2) | 1 step (Lane 2) |
| S2/ML/R/016a | River Drumragh crossing (Northbound) | 120A | 56690 - 56470 | S2/ML/R/016 S2/ML/R/016b S2/ML/R/016C | 295m | Reduction in SSD to: 160m min (Lane 2) | 2 steps (Lane 2) |
| S2/ML/R/016b | River Drumragh crossing (Northbound) | 120A | 57460 - 56900 | S2/ML/R/016 S2/ML/R/016a S2/ML/R/016c | 295m | Reduction in SSD to: 215m min (Lane 1) | 1 Step (Lane 1) |
| S2/ML/R/016c | River Drumragh crossing (Northbound) | 120A | 31760 - 31840 | S2/ML/R/016 S2/ML/R/016a S2/ML/R/016b | 295m | Reduction in SSD to: 255m min (Lane 2) | 1 step (Lane 2) |
| S2/ML/R/005 | River Drumragh crossing (Southbound) | 120A | 55970 - 56470 56690 - 56940 | S2/ML/R/005a S2/ML/R/005b | 295m | Reduction in SSD to: 215m min (Lane 1) | 1 Step (Lane 1) |

| S2/ML/R/005a | River Drumragh crossing (Southbound) | 120A | 56690 - 56470 | S2/ML/R/005 S2/ML/R/005b | 295m | Reduction in SSD to: 160m min (Lane 1) | 2 steps (Lane 1) |
|--------------|--|--------------------|--------------------|--------------------------------|----------------------|---|----------------------|
| S2/ML/R/005b | River Drumragh crossing (Southbound) | 120A 56610 - 56880 | | S2/ML/R/005 S2/ML/R/005a | 295m | Reduction in SSD to: 215m min (Lane 2) | 1 step (Lane 2) |
| S2/ML/R/006 | South of Victoria Bridge (Northbound) | 120A 32620 - 32060 | | n/a | 295m | Reduction in SSD to: 215m min (Lane 1) | 1 step (Lane 1) |
| S2/ML/R/007 | South of Victoria Bridge (Southbound) | 120A | 31840 - 32310 | S2/ML/D/001 | 295m | Reduction in SSD to: 215m min (Lane 2) | 1 step (Lane 2) |
| S2/ML/R/008 | Withdrawn - NB Lane 2 SSD | reduction is | now considered a d | eparture (S2/ML/D/ reduced. | 002) due to introduc | ction of maintenance acc | cesses. Extents also |
| S2/ML/R/009 | Mellon Country Inn (Southbound) | 120A | 43060 - 43430 | S2/ML/R/009a | 295m | Reduction in SSD to: 160m min (Lane 1) | 2 steps (Lane 1) |
| S2/ML/R/009a | Mellon Country Inn (Southbound) | 120A | 43130 - 43310 | S2/ML/R/009 | 295m | Reduction in SSD to: 215m min (Lane 2) | 1 step (Lane 2) |
| S2/ML/R/010 | | | With | drawn - Through re | -design | | |
| S2/ML/R/011 | Fairywater Crossing (Southbound) | 120A | 49875 - 50280 | S2/ML/R/011a | 295m | Reduction in SSD to: 160m min (Lane 2) | 2 steps (Lane 2) |
| S2/ML/R/011a | Fairywater Crossing (Southbound) | 120A | 49875 - 50280 | S2/ML/R/011 | 295m | Reduction in SSD to: 215m min (Lane 1) | 1 step (Lane 1) |

Appendix 6A

| S2/ML/R/012 | North of Gillygooly (Northbound) | 120A | 50820 - 51470 | S2/ML/R/012a | 295m | Reduction in SSD to: 160m min (Lane 2) | 2 steps (Lane 2) |
|--------------|-------------------------------------|--------------------|----------------------|--|----------------------|---|-----------------------|
| S2/ML/R/012a | North of Gillygooly (Northbound) | 120A 51050 - 50960 | | S2/ML/R/012 295m | | Reduction in SSD to: 215m min (Lane 1) | 1 step (Lane 1) |
| S2/ML/R/013 | North of Gillygooly (Southbound) | 120A 50520 - 51140 | | S2/ML/R/013a | 295m | Reduction in SSD to: 160m min (Lane 1) | 2 steps (Lane 1) |
| S2/ML/R/013a | North of Gillygooly (Southbound) | 120A | 50610 - 50770 | S2/ML/R/013 | 295m | Reduction in SSD to: 215m min (Lane 2) | 1 step (Lane 2) |
| S2/ML/R/014 | Withdrawn - SSD reduction wil | l not be reali | sed as there is a de | position area that w on visability. | vill remove the need | I for safety fence which p | previously encroached |
| S2/ML/R/015 | South of Gillygooly (Southbound) | 120A | 51305 - 51700 | n/a | 295m | Reduction in SSD to: 215m min (Lane 2) | 1 step (Lane 2) |

| | | | | Cre | rage Exis oss-sect notes foc | ion | Move (2w | iffic ments /ay, om TCS | | ed Cross- notes foo | | | Closure Options | | | |
|---------------------------|-----------------------|---|----------------------|-----------------------|------------------------------------|----------------------|-------------|----------------------------------|-----------------------|------------------------|----------------------|----------------------|---|------------------------------|-------------------------|---|
| Side Road | Side Road Category | Proposed Design Speed Classification | Mainline Chainage | Nearside Verge (m) | Carriageway (m) | Offside Verge (m) | Vehicle | NMU | Nearside Verge (m) | Carriageway (m) | Offside Verge (m) | Over/Under the A5 | Remain Open at All Times (except short off peak periods) | Close During Construction | Permanently Stop Off | Other Comments/Details eg Bus Route, NMU issues. Business considerations. |
| Primrose Park | U | 85A | 27215 | 3.5 | 5.7 | 1.75F | 530 | 110 | 2.5 | 7 | 2.5 | Over | Yes | No | No | School Access |
| Bells Park Road (B165) | B165 | 70A | 27995 | N/A | 5.4 | N/A | 1320 | 24 | 2.5 | 6 | 2.5 | Over | Yes | No | No | No suitable landowner access alternative. |
| Garden Road | U | 85B | 27800 | 0.5 | 4.2 | 0.5 | N/A | N/A | 2.5 | 6 | 2.5 | N/A | | | No | Realigned junction with Bells Park Road |
| High Road | U | 85B | 28595 | 0.9 | 2.5 | 0.9 | N/A | N/A | N/A | N/A | N/A | N/A | | | Yes | Alternative route via Bells Park Road and Peacock Road |
| Seein Road | U | 85B | 29165 | 1 | 3 | 0.7 | 179 | 11 | 2.5 | 7.2 | 2.5 | Over | Yes | No | No | |

Appendix 6B – Side Road Summary Table – Section 2

| Concess Road | U | 70A | 30140 | 0.9 | 3.3 | 2.1 | 103 | 0 | 2.5 | 6 | 2.5 | Under | Yes | No | No | Short term closure to construct road and lift bridge beams. |
|--------------------------|------|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|--|---|
| Fyfin Road (B72) | B72 | 85B | 31445 | 0.7 | 6 | 1.3 | N/A | N/A | 2.5 | 6 | 2.5 | Under | Yes | No | No | Shuttle work to construct pavement / lift beams. WELB bus route. |
| Stone Road | U | 85B | 31910 | 2.1 | 2.8 | 1.2 | N/A | N/A | 2.5 | 6 | 2.5 | Over | No | Yes | No | Temporary closure with diversion using re-aligned Urbalreagh Road |
| Urbalreagh Road North | U | 85B | 31985 | 0.5 | 5 | 0.8 | N/A | N/A | 2.5 | 5.6 | 2.5 | N/A | | | Yes - Divert onto Stone Road | Connects with Stone Road. |
| Urbalreagh Road South | U | 85B | 31985 | 0.5 | 5 | 0.8 | N/A | N/A | 2.5 | 5.6 | 2.5 | N/A | | | Yes - Divert onto Stone Road | |
| Derg Road | U | 70A | 33995 | 0.8 | 3.3 | 2.3 | N/A | N/A | 2.5 | 7.2 | 2.5 | Over | Yes | No | No | |
| Deerpark Road (B164) | B164 | 85B | 34725 | N/A | 5 | N/A | 839 | N/A | 2.5 | 6 | 2.5 | Over | Yes | No | No | Ardstraw traffic, farm machinery. Short term closures road and lift bridge beams. |
| Milltown Road | U | 85B | 35305 | 0.7 | 2.8 | 0.7 | 85 | 0 | N/A | N/A | N/A | N/A | | | Yes | Alternative route via Deerpark Road and Coolaghy Road |

| Coolaghy Road | U | 85B | 35500 | 1.0 | 3.0 | 1.0 | N/A | N/A | N/A | N/A | N/A | N/A | | | Yes | |
|---|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|---|--|
| Magheracoltan Road | U | 85B | 36285 | N/A | 4.6 | N/A | 518 | 6 | 2.5 | 6 | 2.5 | Under | Yes | No | No | Short term closures to construct road and lift bridge beams |
| Drumlegagh Road North | U | 85A | 37130 | 1.4 | 4.8 | 1 | 960 | 1 | 2.5 | 5 | 2.5 | N/A | Yes | No | Yes - divert onto J10 slip. | WELB bus route. Connects to Northbound Slip Road Link and Baronscourt Road West of A5WTC |
| Golf Course Road | U | 85B | 37280 | 0.9 | 2.9 | 1.4 | N/A | N/A | N/A | N/A | N/A | N/A | | | Yes | Alternative route via Baronscourt Road and Magheracolton Road |
| Baronscourt Road (B84) | B84 | 85B | 37290 | N/A | 4.8 | N/A | 869 | 4 | 2.5 | 6 | 2.5 | Over | Yes | No | No | 2 No new roundabouts for Junction 10. |
| Oldcastle Road | U | 85B | 38625 | N/A | 3.1 | 1.5 | 486 | 36 | 2.5 | 6 | 2.5 | Over | Yes | No | No | Access to lorry business from Newtown |
| Honeyford Lane | U | 85B | 39000 | 1.0 | 3.5 | 1.0 | N/A | N/A | N/A | N/A | N/A | N/A | Yes | Yes | Yes | Stopped up. |
| Glen Road (North) (Link to Gortgranagh Road) | U | 70A | 39305 | 1.3 | 2.5 | N/A | N/A | N/A | 2.5 | 6 | 2.5 | N/A | Yes | No | Yes - divert onto new Gortgra nagh Road | Connects to Gortgranagh Road on north side of A5WTC. |

| Gortgranagh Road | U | 70A | 39510 | N/A | 2.9 | N/A | 98 | 0 | 2.5 | 6 | 2.5 | Over | Yes | No | No | |
|---|---|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|----|---|--|
| Glen Road South (Link to Gortgranagh Road) | U | 70A | 39305 | 1.3 | 2.5 | N/A | N/A | N/A | 2.5 | 6 | 2.5 | N/A | Yes | No | Yes - divert onto new Gortgra nagh Road | Connects to Gortgranagh Road on south side of A5WTC. |
| Castletown Road (North) | U | 85B | 40060 | N/A | 4 | N/A | 186 | 1 | 2.5 | 6 | 2.5 | Over | Yes | No | No | |
| Grange Road | U | 70A | 40220 | 1.2 | 2.5 | 1.2 | 26 | 0 | 2.5 | 6 | 2.5 | N/A | | | Yes - divert onto new Castlet own Road | Connects to Castletown Road on east of A5WTC. |
| West Road | U | 70A | 41180 | N/A | 3 | 1.2 | 50 | 0 | 2.5 | 6 | 2.5 | Under | Yes | No | No | |
| Joe's Lane | U | 70A | 42610 | 1.5 | 2.5 | N/A | N/A | N/A | 2.5 | 6 | 2.5 | Over | Yes | No | No | Also known as Hamiltons Road (U1523) |
| Gordon's Lane | U | 70A | 43700 | 0.6 | 3 | 0.7 | N/A | N/A | N/A | N/A | N/A | Under | | | No | Changed to Access track |

| | | 1 | 1 | | 1 | | 1 | 1 | | | | | 0 | | 1 | |
|----------------------------|---|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|----|---|---|
| Killynure Road | U | 70A | 44980 | 1.2 | 2.6 | 1.2 | 74 | 2 | 2.5 | 6 | 2.5 | Over | Yes | No | No | |
| Castletown Road (South) | U | 85A | 45688 | 2 | 4.5 | 2 | 292 | 0 | 2.5 | 6 | 2.5 | Under | Yes | No | No | Short term closures to construct road and lift bridge beams |
| McFarlands Road (U1516) | U | 70A | 45800 | N/A | 3 | N/A | N/A | N/A | 2.5 | 4.2 | 2.5 | N/A | | | Yes - divert onto Castlet own Road | Connects to Castletown Road on west of A5WTC. |
| Cashty Road | U | 70A | 46970 | 1 | 3.6 | 1.8 | N/A | N/A | 2.5 | 6 | 2.5 | N/A | | | No | Upgraded junction with Dunteige Road |
| Dunteige Road | U | 85B | 46970 | N/A | 4 | N/A | N/A | N/A | 2.5 | 6 | 2.5 | Over | Yes | No | No | Landowner livestock and machinery movements, milk lorry access and deliveries. WELB bus route. |
| Lisnagirr Road | U | 70A | 47605 | 1.6 | 3.3 | 1.9 | 195 | 1 | N/A | N/A | N/A | Under | | | No | Reduced height underbridge. |
| Tully Road (North) | U | 70A | 48100 | 1.6 | 3.5 | 1.6 | 33 | 0 | N/A | N/A | N/A | N/A | | | Yes, but realign ed | Connects to Rash Road east of A5WTC. |
| Rash Road | U | 70A | 48305 | 1.5 | 2.8 | 1.6 | 31 | 0 | 2.5 | 6 | 2.5 | Over | Yes | No | No | |
| Tully Road (South) | U | 70A | 48495 | 1.2 | 2.6 | 0.6 | N/A | N/A | 2.5 | 5.2 | 2.5 | N/A | | | Yes, but realign ed | Alternative route via Rash Road |

| Todds Road | U | 85B | 49890 | 1.2 | 2.5 | 1.2 | 21 | 5 | N/A | N/A | N/A | N/A | | | Yes | Access provided to Drumlegagh Road South |
|--|-----|------|-------|-----|------|-----|------|-----|-----|------|-----|-------|-----|-----|------------------------------|---|
| Mellon Park Drive | U | 60B | 50495 | N/A | 2.6 | N/A | 43 | 12 | 2.5 | 6 | 2.5 | Over | Yes | No | Yes, but realign ed | New bridge access A5WTC |
| Gillygooley Road (B50) | B50 | 85B | 51255 | 0.5 | 6 | 0.5 | 3783 | N/A | 2.5 | 6 | 2.5 | Over | Yes | No | No | WELB bus route. |
| Mullaghmena Road | U | 85B | 51255 | 1.5 | 3 | 1.5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Upgrade of junction with Gillygooley Road. |
| Aghnamoyle Road | U | 85B | 52145 | 0.8 | 3.8 | 1.7 | N/A | N/A | 2.5 | 6 | 2.5 | Over | No | Yes | No | Use existing and re- aligned Botera Road as temporary diversion until complete |
| Botera Road | U | 70A | 52235 | 1.6 | 2.6 | 2 | N/A | N/A | 2.5 | 4.2 | 2.5 | N/A | | | Yes, but realign ed | Schoo Bus Route. Connects to Aughnamoyle Road west of A5WTC. |
| Tamlaght Road | U | 70A | 53205 | 0.5 | 4 | 0.5 | N/A | N/A | 2.5 | 5.8 | 2.5 | Over | No | Yes | No | School Bus Route |
| Brookmount Road | U | 85B | 53825 | N/A | 5 | N/A | N/A | N/A | 2.5 | 6 | 2.5 | Under | Yes | No | No | Short term closures to construct road and lift bridge beams |
| Junction 12 - Clannabogan Road (A32) | A32 | 100A | 54045 | 2.5 | 13.5 | 2.5 | 8305 | N/A | 2.5 | 13.5 | 2.5 | Under | Yes | No | No | Short term closures to constructroad and lift bridge beams.School Bus Route. |
| Loughmuck Road | U | 85B | 54485 | N/A | 4 | N/A | 374 | 17 | 2.5 | 7.2 | 2.5 | Under | Yes | No | No | |

| Beagh Road | U | 70A | 55980 | N/A | 3.5 | N/A | N/A | N/A | 2.5 | 6 | 2.5 | Over | Yes | No | No | Livestock and machinery movements. |
|----------------------|---|-----|-------|-----|-----|-----|-----|-----|-----|---|-----|------|-----|----|------------------------------|--|
| Ballynahatty Road | U | 70A | 56530 | N/A | 3 | N/A | N/A | N/A | 2.5 | 6 | 2.5 | Over | Yes | No | No | |
| Blackfort Road | U | 70A | 57130 | N/A | 3.5 | N/A | N/A | N/A | 2.5 | 6 | 2.5 | Over | Yes | No | No | Livestock and machinery movements. |
| Drumragh Road | U | 70A | 57300 | 0.5 | 3 | 0.5 | N/A | N/A | 2.5 | 4 | 2.5 | N/A | | | Yes, but realign ed | Diverted onto Blackfort Road. |

Appendix 6C – Side Road Departure from Standard Summary Table – Section 2

| Road Name | Mainline Chainage | Design Speed* | | | Nu | mber o | of Departures | | |
|--|----------------------|------------------|------------|----------|----------------|--------|---------------|---------------------|-------|
| |) | (kph) | Horizontal | Vertical | Cross -Section | SSD | Combinations | Access Visibility** | Other |
| Primrose Park | 27215 | 85A | 2 | 2 | 1 | 0 | 1 | 2 | 1 |
| Bells Park Road (B165) | 27995 | 70A | 2 | 1 | 1 | 1 | 0 | 6 | 0 |
| Garden Road | 27800 | 85B | 2 | 3 | 1 | 1 | 0 | 2 | 0 |
| Seein Road | 29165 | 85B | 2 | 0 | 1 | 1 | 3 | 4 | 3 |
| Concess Road | 30140 | 70A | 2 | 1 | 1 | 2 | 0 | 2 | 0 |
| Fyfin Road (B72) | 31445 | 85B | 2 | 6 | 1 | 1 | 1 | 4 | 0 |
| Stone Road | 31910 | 85B | 1 | 2 | 1 | 2 | 2 | 3 | 0 |
| Urbalreagh Road North | 31985 | 85B | 3 | 3 | 1 | 2 | 0 | 0 | 0 |
| Urbalreagh Road South | 31985 | 85B | 3 | 2 | 1 | 1 | 1 | 0 | 0 |
| Derg Road | 33995 | 70A | 2 | 2 | 1 | 1 | 3 | 4 | 0 |
| Deerpark Road (B164) | 34725 | 85B | 1 | 0 | 1 | 0 | 0 | 3 | 0 |
| Magheracoltan Road | 36285 | 85B | 1 | 0 | 1 | 0 | 1 | 3 | 0 |
| Drumlegagh Road North | 37130 | 85A | 3 | 0 | 1 | 0 | 0 | 0 | 0 |
| Baronscourt Road (B84) | 37290 | 85B | 2 | 0 | 1 | 0 | 0 | 3 | 0 |
| Oldcastle Road | 38625 | 85B | 1 | 0 | 1 | 1 | 0 | 3 | 0 |
| Glen Road (North) (Link to Gortgranagh Road) | 39305 | 70A | 3 | 1 | 1 | 2 | 1 | 2 | 0 |
| Gortgranagh Road | 39510 | 70A | 2 | 3 | 1 | 3 | 0 | 1 | 0 |
| Glen Road South (Link to Gortgranagh Road) | 39305 | 70A | 4 | 2 | 1 | 4 | 0 | 1 | 0 |
| Castletown Road (North) | 40060 | 85B | 2 | 3 | 1 | 2 | 3 | 4 | 0 |
| Grange Road | 40220 | 70A | 3 | 2 | 2 | 3 | 0 | 1 | 0 |
| West Road | 41180 | 70A | 2 | 0 | 1 | 4 | 1 | 2 | 0 |
| Joe's Lane | 42610 | 70A | 5 | 1 | 1 | 0 | 2 | 0 | 0 |
| Gordon's Lane | 43700 | 70A | 1 | 1 | 1 | 0 | 3 | 0 | 0 |
| Killynure Road | 44980 | 70A | 3 | 0 | 1 | 2 | 3 | 3 | 0 |
| Castletown Road (South) | 45688 | 85A | 0 | 1 | 1 | 1 | 0 | 1 | 0 |
| McFarlands Road (U1516) | 45800 | 70A | 3 | 1 | 1 | 2 | 0 | 1 | 0 |
| Cashty Road | 46970 | 70A | 2 | 1 | 1 | 1 | 1 | 0 | 1 |
| Dunteige Road | 46970 | 85B | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Lisnagirr Road | 47605 | 70A | 0 | 3 | 1 | 3 | 0 | 2 | 1 |

Appendix 6C

| Tully Road (North) | 48100 | 70A | - | - | - | - | - | - | - |
|----------------------------------|-------|------|---|---|---|---|---|---|---|
| Rash Road | 48305 | 70A | 3 | 2 | 1 | 4 | 1 | 4 | 0 |
| Tully Road (South) | 48495 | 70A | 1 | 3 | 1 | 1 | 2 | 1 | 0 |
| Drumleagh Road South Link | 49255 | 85B | 2 | 1 | 1 | 2 | 1 | 2 | 0 |
| Existing A5 Beltany Road (South) | 49250 | 100A | 2 | 3 | 1 | 1 | 1 | 2 | 0 |
| Existing A5 Beltany Road (North) | 49250 | 100A | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| Mellon Park Drive | 50495 | 60B | 4 | 1 | 1 | 0 | 1 | 5 | 0 |
| Gillygooley Road (B50) | 51255 | 85B | 3 | 1 | 1 | 0 | 1 | 2 | 0 |
| Mullaghmena Road | 51255 | 85B | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| Aghnamoyle Road | 52145 | 85B | 0 | 1 | 1 | 1 | 2 | 2 | 0 |
| Botera Road | 52235 | 70A | 4 | 2 | 1 | 3 | 0 | 0 | 0 |
| Tamlaght Road | 53105 | 70A | 3 | 4 | 1 | 2 | 1 | 8 | 0 |
| Brookmount Road | 53720 | 85B | 1 | 0 | 1 | 1 | 0 | 2 | 0 |
| Loughmuck Road | 54350 | 85B | 2 | 1 | 1 | 2 | 2 | 1 | 0 |
| Beagh Road | 55980 | 70A | 2 | 3 | 1 | 1 | 1 | 1 | 0 |
| Ballynahatty Road | 56530 | 70A | 2 | 3 | 1 | 1 | 1 | 4 | 2 |
| Blackfort Road | 57130 | 70A | 2 | 2 | 1 | 3 | 1 | 2 | 3 |
| Drumragh Road | 57300 | 70A | 3 | 1 | 1 | 1 | 0 | 1 | 0 |

NOTES:

*All side roads are assumed to have a design speed of 100kph. Departures were submitted for a reduction in the design speed based on either, the plated speed of the road or the calculated design speed using the assessment in TD9/93

** Visibility for all accesses within the proposed modified area were assessed and those all those within SSD of the tie in points.

| Appendix | 6D – Jur | oction Su | mmary Ta | able – S | Section 2 |
|-----------|----------|-----------|-------------|----------|-----------|
| 7 ppchaix | | | iiiiiaiy ic | | |

| June | ction 9 - Victoria B | ridge- Compa | act Grade Separated Ju | nction - Ch31550 | m | |
|---------------------------|----------------------|--------------------------|------------------------|------------------------|-------------------------|----------|
| Junction Slip Name | Junction Type | Design Speed (kph) | Relevant Standard | Merge /Diverge Type | Number of Departures | Comments |
| Junction 9 NB On/Off-Slip | Compact GSJ | 30 | TD40/94 | - | 2 | |
| Junction 9 SB On/Off-Slip | Compact GSJ | 30 | TD40/94 | - | 2 | |

| Junct | ion 10 - Newtown | stewart-Com | pact Grade Separated. | lunction- Ch3730 | 00m | |
|--|----------------------------|--------------------------|--|------------------------|-------------------------|------------|
| Junction Slip Name | Junction Type | Design Speed (kph) | Relevant Standard | Merge /Diverge Type | Number of Departures | Comments |
| Junction 10 NB On/Off-Slip | Compact GSJ | 30 | TD40/94 | - | 2 | |
| Junction 10 SB On/Off-Slip | Compact GSJ | 30 | TD40/94 | - | 2 | |
| Roundabout North of Mainlin Roundabout ICD(m) | Circulatory Carriageway | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| 45 | (m) 7.2 | A | North Arm - Approach from Barsoncourt Road | 1 | 2 | 1 |
| | | В | East Arm - Connector Road | 1 | 2 | 1 |

| | | С | South Arm - Approach from Barsoncourt Road | 1 | 2 | 1 |
|-----------------------------|-----------------------------------|-----|--|--------------------------|-------------|------------|
| Roundabout South of Mainlin | ne Ch37300m | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| | | A | North Arm - Approach from Barsoncourt Road | 1 | 2 | 1 |
| 45 | 7.2 | В | West Arm - Connector Road | 1 | 2 | 1 |
| | | С | South Arm - Approach from Barsoncourt Road | n 1 2 ad 1 2 n 1 2 | 1 | |

| Junction 11 - Omagh North - Grade Separated Junction-Ch49250m | | | | | | | | |
|---|-----------------------------------|--------------------------|--|------------------------|-------------------------|------------|--|--|
| Junction Slip Name | Junction Type | Design Speed (kph) | Relevant Standard | Merge /Diverge Type | Number of Departures | Comments | | |
| Junction 11 NB On-Slip | GSJ | 70 | TD22/06 | - | 0 | | | |
| Junction 11 NB Off-Slip | GSJ | 70 | TD22/06 | - | 0 | | | |
| Junction 11 SB On-Slip | GSJ | 70 | TD22/06 | - | 0 | | | |
| Junction 11 SB Off-Slip | GSJ | 70 | TD22/06 | - | 0 | | | |
| Dumb-bell Roundabout west of Mainline CH 49250m | | | | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes | | |
| 45 | 7.2 | А | North Arm -A5 Northbound On Slip | 0 | 0 | 1 | | |
| | | В | East Arm - Link Road | 1 | 2 | 1 | | |
| | | С | South Arm -A5 Northbound Off Slip | 1 | 2 | 0 | | |
| | | D | West Arm - Approach from Drumleagh Road South | 1 | 2 | 1 | | |

| Dumb-bell Roundabout east of Mainline CH 49250m | | | | | | | | |
|---|-----------------------------------|-----|--|-------------------|-------------|------------|--|--|
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes | | |
| 45 | 7.2 | А | North Arm -A5 Southbound Off-Slip | 1 | 2 | 1 | | |
| | | В | East Arm- Approach from existing A5 (Beltany Road) | 1 | 2 | 1 | | |
| | | С | South Arm -A5 Southbound On-Slip | 0 | 0 | 1 | | |
| | | D | West Arm -New Link | 1 | 2 | 1 | | |

| Junction 12 - Omagh West - Grade Separated Junction-Ch54000m | | | | | | | | |
|--|---------------|--------------------------|-------------------|------------------------|-------------------------|----------|--|--|
| Junction Slip Name | Junction Type | Design Speed (kph) | Relevant Standard | Merge /Diverge Type | Number of Departures | Comments | | |
| Junction 12 NB On-Slip | GSJ | 70 | TD22/06 | Туре А | 0 | | | |
| Junction 12 NB Off-Slip | GSJ | 70 | TD22/06 | Туре А | 0 | | | |
| Junction 12 SB On-Slip | GSJ | 70 | TD22/06 | Туре А | 0 | | | |
| Junction 12 SB Off-Slip | GSJ | 70 | TD22/06 | Туре А | 0 | | | |

Appendix 6D

| oundabout at A32 Clanabo | ogan Road CH 54000 |)m | | | | |
|--------------------------|-----------------------------------|-----|--|-------------------|-------------|----------|
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lan |
| | | A | North Arm - Approach from Roundabout North of A32 | 1 | 2 | 1 |
| | | В | East Arm - A5 Southbound On-Slip | 0 | 0 | 1 |
| <u>co</u> | | С | East Arm - A5 Northbound Off-Slip | 1 | 2 | 0 |
| 60 | 7.5 | D | South Arm - Approach from Roundabout North of A32 | 1 | 2 | 1 |
| | | E | West Arm - A5 Northbound On-Slip | 0 | 0 | 1 |
| | | F | West Arm - A5 Southbound Off-Slip | 1 | 2 | 0 |

Appendix 6D

Appendix 7A – Mainline Departures from Standard and Relaxations Summary – Section 3

| Reference Number | Location | Design Speed | Chainage (m) | Associated Relaxations / Departures | Desirable Minimum (m) | Departure | Number of Steps Below Desirable Minimum |
|------------------|--|-----------------|---------------|---|-----------------------------------|--|---|
| S3/ML/D/001 | South of Aughnacloy (Single Carriageway) Northbound and Southbound Lanes | 100A | 92450 - 92780 | S3/ML/D/004 S3/ML/D/005 | K = 100 SSD = 215m | K=55 SSD= 160m min | 1 Step 1 Step |
| S3/ML/D/002 | South of Aughnacloy (Single Carriageway) Northbound and Southbound Lanes | 100A | 92780 - 93060 | S3/ML/D/006 | R = 720m K = 100 SSD = 215m | R = 255 K=55 SSD = 160m min | 3 Steps 1 Step 1 Step |
| S3/ML/D/003 | | 100A | 62000 - 62075 | - | - | Adverse Camber | - |
| S3/ML/D/004 | South of Aughnacloy (Single Carriageway) Northbound and Southbound Lanes | 100A | 92500 | S3/ML/D/001 | 215m | 160m | 1 Step |
| S3/ML/D/005 | South of Aughnacloy (Single Carriageway) Northbound and Southbound Lanes | 100A | 92600 | S3/ML/D/001 | 215m | 160m | 1 Step |
| S3/ML/D/006 | South of Aughnacloy (Single Carriageway) Northbound and Southbound Lanes | 100A | 93105 | S3/ML/D/002 | 215m | 120m | 2 Steps |
| | | | | | | | |
| Reference Number | Location | Design Speed | Chainage (m) | Associated Relaxations / Departures | Desirable Minimum (m) | Relaxation | Number of Steps Below Desirable Minimum |
| S3/ML/R/001 | | | With | drawn - Through re | -design | | |
| S3/ML/R/002 | | | With | drawn - Through re | -design | | |
| S3/ML/R/003 | North of Glenhoy Road crossing (Errigal), Northbound Lanes 1 and 2 | 120A | 79810 - 80380 | S3/ML/R/004 | G = 4% | Longitudinal gradient of 5.9% up hill | NA |
| S3/ML/R/004 | North of Glenhoy Road crossing (Errigal), Southbound Lanes 1 and 2 | 120A | 79810 - 80380 | S3/ML/R/003 | G = 4% | Longitudinal gradient of 5.9% up hill | NA |

| S3/ML/R/005 | South of Aughnacloy (Single Carriageway) | 100A | 92095 - 92340 | - | R = 720m | Reduction in Horizontal Radius to 510m | 1 Step |
|-------------|---|------|---------------|--------------------|----------|--|--------|
| S3/ML/R/006 | | | With | drawn - Through re | -design | | |
| S3/ML/R/007 | | | With | drawn - Through re | -design | | |
| S3/ML/R/008 | | | With | drawn - Through re | -design | | |
| S3/ML/R/009 | Doogary Peat Bog, Northbound Lane 2 | 120A | 63190 - 63935 | S3/ML/R/010 | 295m | Reduction in SSD to 215m | 1 Step |
| S3/ML/R/010 | Doogary Peat Bog, Southbound Lane 2 | 120A | 63000 - 63900 | S3/ML/R/009 | 295m | Reduction in SSD to 215m | 1 Step |

Appendix 7B – Side Road Schedule –Section 3

| | | | | Crc (F | age Exis oss-sect denote ootway | ion es | Traff Movem (2wa 12hr) f TCS | ents y, rom | - | oosed Ci section lotes foo | | | Closu | re Opt | ions | |
|--|-----------------------|--|---------------------------------|-----------------------|--|----------------------|--|-------------------|-----------------------|----------------------------------|----------------------|----------------------|--|------------------------------|-------------------------|--|
| Side Road | Side Road Category | Proposed Design Speed Classification | Approx. Mainline Chainage | Nearside Verge (m) | Carriageway (m) | Offside Verge (m) | Vehicle | NMN | Nearside Verge (m) | Carriageway (m) | Offside Verge (m) | Over/Under the A5 | Remain Open at All Times (except short off peak periods) | Close During Construction | Permanently Stop Off | Other Comments/details eg Bus Route, NMU issues, business considerations |
| Junction 13 - Seskinore Road (B83) | В | 85B | 62065 | 1.5 | 6.9 | 1.5 | 774 | N/A | 2.5 | 7.3 | 2.5 | Over | Yes, but realigned | No | Yes, but realigned | School Bus Route 2 No new roundabouts for Junction 13 |
| Tattykeel Road North | U | 85A | 62600 | 1.0 | 3.1 | 1.0 | N/A | N/A | 2.5 | 6.0 | 2.5 | Over | No | Yes | Yes, but realigned | Connects to existing A5 Doogary Road |
| Tattykeel Road South | U | 85A | 63800 | 1.0 | 3.1 | 1.0 | N/A | N/A | N/A | N/A | N/A | N/A | No | Yes | Yes | |
| Drumconnelly Road (North) | U | 70A | 64400 | 1.0 | 3.0 | 1.0 | N/A | N/A | 2.5 | 6.0 | 2.5 | Over | Yes, but realigned | No | Yes, but realigned | Sustrains National Cycle Route School Bus |
| Tullyrush Road | U | 85B | 66000 | 0.5 | 4.0 | 0.5 | N/A | N/A | 2.5 | 6.0 | 2.5 | Under | No | Yes | No | School Bus Route |
| Rarone Road | U | 85B | 66900 | 1.0 | 3.0 | 1.0 | 95 | 1 | 2.5 | 6.0 | 2.5 | Under | No | Yes | No | |
| Drumconnlley Road (South) | U | 70A | 67900 | 0.5 | 2.5 | 0.5 | 57 | 2 | N/A | N/A | N/A | N/A | N/A | N/A | Yes | Alternative route via Augher Point Road and Rarone Road |
| Moylagh Road (B46) | В | 85B | 68695 | 1.5 | 6.0 | 1.5 | 1021 | 0 | 2.5 | 6.0 | 2.5 | Under | Yes | No | Yes, but realigned | School Bus Route. B46 connection via Augher Point. |
| Augher Point Road (North)(B46) | В | 70A | 68695 | 1.5 | 6.0 | 1.5 | 1021 | 0 | 2.5 | 6.0 | 2.5 | Under | Yes | No | Yes, but realigned | |
| Moylagh Road (Shared Access) | В | 85B | 68695 | 1.5 | 6.0 | 1.5 | 1021 | 0 | 2.5 | 6.0 | 2.5 | Under | Yes | No | Yes, but realigned | |

| Moylagh Road (East)(B46) | В | 85B | 68695 | 1.5 | 6.0 | 1.5 | 1021 | 0 | 2.5 | 6.0 | 2.5 | Under | Yes | No | Yes, but realigned | |
|----------------------------------|---|-----|-------|-----|-----|-----|------|---|-----|-----|-----|-------|-----|-----|-----------------------|---|
| Augher Point Road (South) | U | 70A | 68800 | 1.5 | 4.4 | 1.5 | 780 | 0 | 2.5 | 6.0 | 2.5 | Under | Yes | No | Yes, but realigned | Connects to Moylagh Road at new roundabout |
| Killadroy Road | U | 85A | 70950 | 0.8 | 2.5 | 0.8 | 199 | 0 | 2.5 | 6.0 | 2.5 | N/A | Yes | No | Yes, but realigned | School Bus Route connects to Greenmount Road east of A5WTC |
| Greenmount Road | U | 85B | 71150 | 0.8 | 4.9 | 0.8 | 934 | 0 | 2.5 | 6.0 | 2.5 | Under | Yes | Yes | Yes, but realigned | School Bus Route |
| Routingburn Road | U | 85B | 72000 | 0.8 | 6.0 | 0.8 | 39 | 2 | N/A | N/A | N/A | N/A | No | Yes | Yes | |
| Springhill Road | U | 85A | 73800 | N/A | 5.0 | N/A | 623 | 2 | 2.5 | 6.0 | 2.5 | Under | Yes | Yes | No | School Bus Route |
| Cormore Road | U | 85B | 75000 | 1.0 | 2.5 | 1.0 | - | - | N/A | N/A | N/A | N/A | No | Yes | Yes | |
| Rockmore Road (West) | U | 85B | 73800 | 1.0 | 3.0 | 1.0 | 95 | 0 | 1.0 | 3.0 | 1.0 | N/A | Yes | No | No | |
| Rockmore Road (East) | U | 85B | 73800 | 1.0 | 3.0 | 1.0 | 95 | 0 | 1.0 | 3.0 | 1.0 | N/A | Yes | No | No | |
| Tullanafoile Road (North) | U | 85A | 73800 | 1.0 | 2.8 | 1.0 | 96 | 5 | 2.5 | 6.0 | 2.5 | N/A | Yes | No | No | |
| Tullanafoile Road (The Rocks) | U | 85A | 74500 | 0.5 | 2.3 | 0.5 | 96 | 5 | 2.5 | 6.0 | 2.5 | N/A | Yes | No | No | |
| Tullanafoile Road (South) | U | 85A | 74620 | 1.0 | 3.0 | 1.0 | 96 | 5 | 2.5 | 6.0 | 2.5 | N/A | Yes | No | No | |
| Tullycorker Road | U | 85B | 76650 | 0.5 | 3.0 | 0.5 | 162 | 0 | 2.5 | 6.0 | 2.5 | Over | No | Yes | No | |
| Tycanny Road | U | 70A | 78200 | 0.5 | 2.5 | 0.5 | 235 | 5 | 2.5 | 6.0 | 2.5 | N/A | Yes | No | Yes, but realigned | N/A |
| Rarogan Road | U | 70A | 78450 | 0.5 | 3.4 | 0.5 | 62 | 0 | 2.5 | 6.0 | 2.5 | Under | Yes | Yes | No | 304090 Rarogan Road Realigned And Remaining Open. Mainline Alignment Moved To The North, Keeping Newtownsaville Road Open From Which Access To Severed Lands Can Be Gained. Additional Landtake Required For Neighbouring |

| | | | | | | | | | | | | | | | | Access Track Earthworks. |
|--|---|------|-------|-----|-----|-----|-------|-----|-----|-------------|-----|-------|-----------------------|-----|--------------------------|--|
| Glenhoy Road | U | 85B | 80200 | 0.5 | 3.4 | 0.5 | 104 | 1 | 2.5 | 6.0 | 2.5 | Over | Yes, but realigned | No | No | 305105 Glenhoy Road Remains Open. Footprint Reduced. |
| Ballynasaggart Road | U | 85B | 81700 | 1 | 3.7 | 1 | 175 | 0 | 2.5 | 6.0 | 2.5 | Over | No | Yes | No | N/A |
| Crew Road | U | 85B | 82000 | 0.5 | 2.5 | 0.5 | 30 | 0 | N/A | N/A | N/A | N/A | Yes | Yes | Yes | N/A |
| Feddan Road | U | 85B | 83300 | 0.5 | 4.1 | 0.5 | 220 | 3 | 2.5 | 6.0 | 2.5 | N/A | Yes | No | Yes, but realigned | Realigned to connect into new roundabout (J15) |
| Drumcullion Lane | U | 85B | 83500 | 1.0 | 3.2 | 1.0 | - | - | 2.5 | 6.0 | 2.5 | N/A | Yes | No | No | N/A |
| Drumcullion Lane (West) | U | 85B | 83500 | 1.0 | 3.2 | 1.0 | - | - | 2.5 | 6.0 | 2.5 | N/A | Yes | No | No | N/A |
| Tullybryan road | U | 100A | 83400 | 0.5 | 4.2 | 0.5 | N/A | N/A | N/A | N/A | N/A | N/A | Yes | Yes | Yes | Stopped up at A4 |
| A4 Annaghilla Road (Dual Carriageway) | А | 120A | 83500 | 3.5 | 10 | 3.5 | N/A | N/A | 2.5 | 2 x 9.30 | 2.5 | N/A | Yes | No | No | N/A |
| Tullywinny Road (North) | U | 85B | 83600 | 1 | 2.5 | 1 | 76 | 4 | 2.5 | 6.0 | 2.5 | N/A | Yes, but realigned | No | Yes, but realigned | Realigned to connect into existing A4 roundabout |
| Ballynanny Road | U | 85B | 83700 | 1 | 4.5 | 1 | N/A | N/A | N/A | N/A | N/A | N/A | Yes | Yes | Yes | Stopped up at A4 |
| Tullywinny Road (South) | U | 85B | 84400 | 0.5 | 3.5 | 0.5 | N/A | N/A | 2.5 | 6.0 | 2.5 | Under | Yes | Yes | No | N/A |
| Lisginny Road | U | 70A | 86500 | 0.5 | 2.7 | 0.5 | N/A | N/A | 2.5 | 6.0 | 2.5 | Over | Yes | No | No | N/A |
| Old Chapel Road | U | 70A | 87800 | 1.0 | 3.0 | 1.0 | 133 | 6 | 2.5 | 6.0 | 2.5 | Over | Yes | No | No | N/A |
| Existing A5 Tullyvar Road (North) | А | 100A | 88400 | 1.2 | 7.3 | 1.2 | 10489 | N/A | 2.5 | 7.3 | 2.5 | Over | Yes | No | No | N/A |
| Existing A5 Tullyvar Road (South) | U | 100A | 87800 | 1.0 | 3.0 | 1.0 | 10489 | N/A | 2.5 | 6.0 | 2.5 | Over | Yes | No | No | N/A |
| Loughans Road | U | 70A | 88500 | 1.0 | 4.0 | 1.0 | N/A | N/A | 2.5 | 6.0 | 2.5 | N/A | Yes | No | No | N/A |
| Carnteel Road (B35) | В | 100B | 90300 | 2.5 | 7.3 | 2.5 | N/A | N/A | 2.5 | 7.3 | 2.5 | Over | Yes | No | No | |
| Glack Lane | U | 70A | 90100 | 0.5 | 2.5 | 0.5 | N/A | N/A | 1.0 | 4.0 | 1.0 | N/A | Yes | No | Yes | Downgraded to an access track |
| Rehaghy Road (B128) | В | 85B | 90800 | 0.5 | 5.5 | 0.5 | N/A | N/A | 2.5 | 6.0 | 2.5 | Under | Yes | No | No | N/A |
| Douglas Road (North) | U | 85B | 92600 | 0.5 | 3.0 | 0.5 | N/A | N/A | 1.0 | 4.0 | 1.0 | N/A | Yes | No | Yes Downgra ded to | |

| | | | | | | | | | | | | | | | access track. |
|-------------------------|---|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|
| Douglas Road (South) | U | 85B | 92600 | 0.5 | 3.0 | 0.5 | N/A | N/A | 1.0 | 4.0 | 1.0 | N/A | Yes | No | Yes Downgra ded to access track. |

Appendix 7C – Side Roads Departure from Standard Summary Table – Section 3

| Road Name | | Design Speed* | | | | Number of Depar | tures | | |
|------------------------------------|-------|---------------|------------|----------|----------------|-----------------|--------------|---------------------|-------|
| | | (kph) | Horizontal | Vertical | Cross -Section | SSD | Combinations | Access Visibility** | Other |
| Doogary Avenue | 62100 | 85B | 0 | 1 | 2 | 3 | 1 | 2 | 0 |
| Existing A5 Doogary Road North | 62100 | 100A | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| Junction 13 - Seskinore Road (B83) | 62065 | 85B | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| Existing A5 Doogary Road South | 62100 | 100A | 0 | 1 | 1 | 3 | 0 | 1 | 1 |
| Tattykeel Road North | 62600 | 85A | 0 | 2 | 1 | 0 | 2 | 1 | 0 |
| Drumconnelly Road (North) | 64400 | 70A | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| Tullyrush Road | 66000 | 85B | 0 | 0 | 1 | 1 | 0 | 1 | 0 |
| Rarone Road | 66900 | 85B | 1 | 0 | 1 | 0 | 2 | 3 | 1 |
| Moylagh Road (B46) | 68695 | 85B | 2 | 2 | 1 | 4 | 0 | 4 | 0 |
| Augher Point Road (North)(B46) | 68695 | 70A | 2 | 0 | 1 | 2 | 0 | 4 | 0 |
| Moylagh Road (Shared Access) | 68695 | 85B | 3 | 4 | 1 | 2 | 0 | 1 | 0 |
| Moylagh Road (East)(B46) | 68695 | 85B | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Augher Point Road (South) | 68800 | 85B | 1 | 1 | 1 | 1 | 0 | 2 | 0 |
| Killadroy Road | 70950 | 85A | 2 | 3 | 1 | 2 | 0 | 0 | 0 |
| Greenmount Road | 71150 | 85B | 1 | 1 | 1 | 2 | 0 | 0 | 0 |
| Springhill Road | 73800 | 85A | 2 | 3 | 1 | 1 | 0 | 3 | 0 |
| Rockmore Road (West) | 73800 | 85B | - | - | - | - | - | - | - |
| Rockmore Road (East) | 73800 | 85B | - | - | - | - | - | - | - |
| Tullanafoile Road (North) | 73800 | 85A | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Tullanafoile Road (The Rocks) | 74500 | 85A | 2 | 4 | 1 | 1 | 1 | 1 | 1 |
| Tullanafoile Road (South) | 74620 | 85A | 0 | 4 | 1 | 1 | 0 | 2 | 0 |
| Tullycorker Road | 76650 | 85B | 0 | 3 | 1 | 0 | 0 | 0 | 0 |
| Tycanny Road | 78200 | 70A | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| Rarogan Road | 78450 | 70A | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| Glenhoy Road | 80200 | 85B | 1 | 6 | 1 | 2 | 0 | 3 | 1 |

Appendix 7C

| Ballynasaggart Road | 81700 | 85B | 0 | 4 | 1 | 2 | 0 | 3 | 0 |
|---------------------------------------|-------|------|---|---|---|---|---|---|---|
| Feddan Road | 83300 | 85B | 2 | 3 | 1 | 1 | 3 | 6 | 0 |
| Drumcullion Lane | 83500 | 85B | 3 | 1 | 1 | 1 | 1 | 2 | 0 |
| Drumcullion Lane (West) | 83500 | 85B | | | | | | | |
| A4 Annaghilla Road (Dual Carriageway) | 83500 | 120A | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Tullywinny Road (North) | 83600 | 85B | 3 | 0 | 0 | 1 | 1 | 0 | 0 |
| Tullywinny Road (South) | 84400 | 85B | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Lisginny Road | 86500 | 70A | 1 | 2 | 2 | 2 | 1 | 2 | 0 |
| Old Chapel Road | 87800 | 70A | 1 | 1 | 1 | 0 | 3 | 5 | 0 |
| Existing A5 Tullyvar Road (North) | 87800 | 100A | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| Existing A5 Tullyvar Road (South) | 88400 | 100A | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| Loughans Road | 88500 | 70A | 2 | 2 | 1 | 2 | 0 | 0 | 0 |
| Carnteel Road (B35) | 90300 | 100B | 1 | 0 | 1 | 0 | 3 | 2 | 0 |
| Glack Lane | 90000 | 70B | 4 | 1 | 1 | 1 | 2 | 0 | 0 |
| Rehaghy Road (B128) | 90800 | 85B | 4 | 0 | 1 | 1 | 2 | 1 | 0 |
| Douglas Road (North) | 92600 | 70A | 2 | 1 | 1 | 1 | 0 | 1 | 0 |
| Douglas Road (South) | 92600 | 70A | 2 | 0 | 1 | 1 | 0 | 1 | 0 |

NOTES:

*All side roads are assumed to have a design speed of 100kph. Departures were submitted for a reduction in the design speed based on either, the plated speed 0f the road or the calculated design speed using the assessment in TD9/93

** Visibility for all accesses within the proposed modified area were assessed and those all those within SSD of the tie in points.

Appendix 7D – Junction Summary Table – Section 3

| | | Design | | | | |
|--------------------------|-----------------------------------|--------------------------|--|------------------------|-------------------------|------------|
| Junction Slip Name | Junction Type | Design Speed (kph) | Relevant Standard | Merge /Diverge Type | Number of Departures | Comments |
| Junction 13 NB On-Slip | GSJ | 70 | TD40/94 | Merge Taper | 0 | |
| Junction 13 NB Off-Slip | GSJ | 70 | TD40/94 | Diverge Taper | 0 | |
| Junction 13 SB On-Slip | GSJ | 70 | TD40/94 | Merge Taper | 0 | |
| Junction 13 SB Off-Slip | GSJ | 70 | TD40/94 | Diverge Taper | 0 | |
| Dumb-bell Roundabout Sou | ith of Mainline Ch62 | 2075m | 1 | Γ | r | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| | | A | North Arm - Roundabout link road | 1 | 2 | 1 |
| 50 | 7.2 | В | East Arm - A5 Northbound Off Slip | 1 | 2 | 0 |
| | | С | South Arm - Seskinore Road | 1 | 2 | 1 |
| | | D | West Arm - A5 Northbound On Slip | 0 | 0 | 1 |

| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
|---------------------------|-----------------------------------|-----|--|-------------------|-------------|------------|
| | | А | North Arm - Roundabout link road | 1 | 2 | 1 |
| 50 | | В | East Arm - A5 Southbound On Slip | 0 | 0 | 1 |
| 50 | 7.2 | С | South Arm - Roundabout link road | 1 | 2 | 1 |
| | | D | West Arm - A5 Southbound Off Slip | 1 | 2 | 0 |
| ink road Roundabout at B8 | 3/A5 | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| | | А | North Arm -Doogary Avenue | 1 | 2 | 1 |
| | | В | East Arm - Existing A5 (Doogary Road) | 1 | 2 | 1 |
| 50 | 7.2 | С | South Arm - Roundabout link | 1 | 2 | 1 |
| | | | road | | | |

Appendix 7D

| | Junction 14 - M | Moylagh - Gra | de Separated Junction | -Ch68700m | | |
|----------------------------|-----------------------------------|--------------------------|--|------------------------|-------------------------|------------|
| Junction Slip Name | Junction Type | Design Speed (kph) | Relevant Standard | Merge /Diverge Type | Number of Departures | Comments |
| Junction 14 NB On-Slip | GSJ | 30 | TD40/94 | Merge Taper | 2 | |
| Junction 14 NB Off-Slip | GSJ | 30 | TD40/94 | Diverge Taper | 2 | |
| Junction 14 SB On-Slip | GSJ | 30 | TD40/94 | Merge Taper | 2 | |
| Junction 14 SB Off-Slip | GSJ | 30 | TD40/94 | Diverge Taper | 2 | |
| Roundabout west of Mainlin | | | 1 | | [| |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| | | А | East Arm -Augher Point Road North | 1 | 2 | 1 |
| 32 | 6 | В | West Arm - Moylagh Road | 1 | 2 | 1 |
| | | С | South Arm - Augher Point Road South | 1 | 2 | 1 |

| Junction 15 - Annaghilla- Roundabout - Ch83450m | | | | | | | | |
|---|-----------------------------------|-----|----------------------------------|-------------------|-------------|------------|--|--|
| Roundabout at A4 Annaghilla Road CH 83450m | | | | | | | | |
| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes | | |
| | | А | North Arm - Proposed A5 | 2 | 2 | 2 | | |
| 90 | 9 | В | North Arm -Feddan Road | 1 | 1 | 1 | | |
| | | С | East Arm - A4 Annaghilla Road | 2 | 2 | 2 | | |
| | | D | South Arm - Proposed A5 | 2 | 2 | 2 | | |
| | | E | West Arm - A4 Annaghilla | 2 | 2 | 2 | | |

| Junction 16 - Aughnacloy North - Grade Separated Junction-Ch88400m | | | | | | | |
|--|---------------|--------------------------|-------------------|------------------------|-------------------------|----------|--|
| Junction Slip Name | Junction Type | Design Speed (kph) | Relevant Standard | Merge /Diverge Type | Number of Departures | Comments | |
| Junction 16 NB On-Slip | GSJ | 70 | TD40/94 | Merge Taper | 2 | | |
| Junction 16 SB Off-Slip | GSJ | 70 | TD40/94 | Diverge Taper | 2 | | |
| | | | | | | | |

Appendix 7D

| Roundabout ICD(m) | Circulatory Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
|-------------------------|-----------------------------------|----------|--|-------------------|-------------|------------|
| 40 | 8.0 | A | North Arm - Roundabout link road | 1 | 2 | 1 |
| | | В | South Arm - Existing A5 Tullyvar Road | 1 | 2 | 1 |
| | | С | West Arm - A5 Northbound On Slip | 1 | 2 | 1 |
| oundabout North of Main | line CH 88400m | | | | | |
| | Circulatory | | | | | |
| Roundabout ICD(m) | Carriageway (m) | Arm | Description | Approach Lanes | Entry Lanes | Exit Lanes |
| Roundabout ICD(m) | | Arm A | Description North Arm -Existing A5 Tullyvar Road | | Entry Lanes | Exit Lanes |
| Roundabout ICD(m) | | | North Arm -Existing | Lanes | | |
| Roundabout ICD(m) | | A | North Arm -Existing A5 Tullyvar Road East Arm - | Lanes 1 | 2 | 1 |

| Junction 17 - Aughnacloy - Roundabout - Ch91950m Roundabout at Caledon Road CH 91950m | | | | | | | | |
|--|-----|---|----------------------------|---|---|---|--|--|
| | | | | | | | | |
| 70 | 9.0 | А | North Arm -A5 Mainline | 2 | 2 | 2 | | |
| | | В | East Arm - Caledon Road | 1 | 2 | 1 | | |
| | | С | South Arm - A5 Mainline | 1 | 2 | 1 | | |
| | | С | West Arm - Caledon Road | 1 | 2 | 1 | | |