

# DME: Infrastructure – The M4 Relief Road - Activity Sheet (3A)

## Options

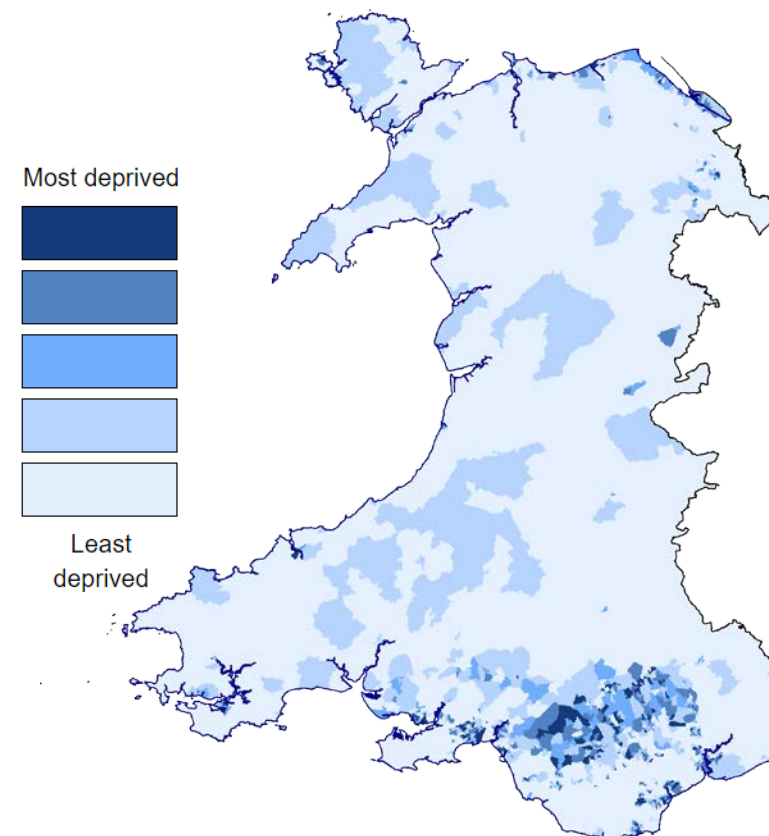
- A. Put the section title **Options**.
- B. Write a paragraph which will describe the NDF in Wales. Use these questions to help you to write it.
- What is the NDF?
  - Who prepares the NDF?
  - What is included in the NDF?
- C. Write a paragraph which will describe the Well Being of Future Generations Act use these questions to help you to write it.
- What are the four aspects that are interconnected?
  - How many public bodies have to work together in Wales?
  - What are the 7 interconnected goals?
  - Explain the meaning of the following terms as they are used in the goals:
    - Prosperous
    - Resilient
    - Cohesive
    - Vibrant
    - Thriving
    - Responsible
- D. What environmental/health/economic issues do the current M4 traffic jams cause?
- Why is the M4 so important:
    - Economically?
    - What fraction of **GDP** in Wales travels along this section of the M4?
  - How many options have been looked into over the years?
  - What % of the SSSI (Site of Special Scientific Importance) of the Gwent Levels will be affected?
  - How will the environment be improved?
- E. Draw a table to help you to describe the land use either side of the proposed black route:
- Use the flyover video and the still screen grab pictures from article 3 to help you.

From	To	North	South
Junction 23	Junction 23A		
Junction 23A	Gwent Europark		
Gwent Europark	Solutia Chemical Works		
Solutia Chemical Works	River Usk/Newport Docks		
River Usk/Newport Docks	Castleton		

- F. Describe the pattern of infrastructure spending shown in this table from the last edition.

Infrastructure Spending	With M4	No M4
	£ billion	£ billion
<b>North Wales</b>	20.341	20.341
<b>Mid &amp; West Wales</b>	5.548	5.548
<b>South Wales East</b>	1.758	1.158
<b>South Wales Central</b>	1.853	1.285
<b>South Wales West</b>	2.918	2.918

- G. Which regions of Wales have the locations with the worst deprivation as shown by the WIMD map.



- H. What do you think the last UK Prime Minister (David Cameron) meant when he described the M4 around Newport as a:

*“foot on the windpipe of the Welsh economy”.*

- I. For each of the following statements about the black route say whether you:
- Agree or not
  - Why you agree or not
- It costs too much money.
  - South Wales always gets the money.
  - People in South Wales are the richest.
  - It will cause damage to important environments.
  - It will stop Newport Docks from operating.

- J. Read this quotation from Newport MP Paul Flynn.

*“The Blue route ‘solution’ would be worse for Newport than no change.*

*It would destroy the function of the Southern Distributor Road (SDR) by piling M4 traffic on to a route that’s already full to capacity at peak times. Worse would be that the SDR’s role to re-distribute traffic, east to west, north to south of city would be destroyed. How quickly we forget the chronic congestion that preceded the opening of the SDR in 2004.*

*It was bold decision by the Council to invest expensively in the SDR to tackle the certainty of approaching gridlock. It has worked but new bottlenecks have appeared since. The Blue (two route) scheme would bring back the pre-2004 congestion, which, with additional new problems, would make Newport a traffic hell of gridlock and pollution.”*

- What does he say about the blue route or the do nothing option?
- What would happen to Newport if the Blue Route were chosen?
- Use your own words to rewrite this part of the quotation:

*“would make Newport a traffic hell of gridlock and pollution.”*

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K. For each of the following statements about the black route say whether you:

- Agree or not
- Why you agree or not

- i. There is a better route.
- ii. It is better to do Nothing.

L. Draw three tables to help you to organise your thoughts about the positives and negatives of each option.

The Black Route	
Positive	Negative

The Blue Route	
Positive	Negative

Do Nothing	
Positive	Negative

M. Complete the following Bi-polar analysis tables for each option.

Bi-Polar Analysis Based on The Future Generations Goals							
	Positive				Negative		
	3	2	1	0	-1	-2	-3
<b>Proposed Black Route</b>							
<b>Prosperous Wales</b> (Will this help make Wales richer or poorer?)							
<b>Resilient Wales</b> (Will this help Wales cope with future changes?)							
<b>Healthier Wales</b> (Will this help improve the health of the people in Wales?)							
<b>More Equal Wales</b> (Will this help reduce areas with higher levels of the W.I.M.D.?)							
<b>Wales of Cohesive Communities</b> (Will this help stop conflicts within communities?)							
<b>Wales of vibrant culture and thriving Welsh Language</b> (Will this help protect and improve Welsh culture?)							
<b>Globally Responsible Wales</b> (Maintain Wales place in the World & protect it?)							
<b>Total Score</b>							

Bi-Polar Analysis Based on The Future Generations Goals							
	Positive				Negative		
	3	2	1	0	-1	-2	-3
<b>Blue Route</b>							
<b>Prosperous Wales</b> (Will this help make Wales richer or poorer?)							
<b>Resilient Wales</b> (Will this help Wales cope with future changes?)							
<b>Healthier Wales</b> (Will this help improve the health of the people in Wales?)							
<b>More Equal Wales</b> (Will this help reduce areas with higher levels of the W.I.M.D.?)							
<b>Wales of Cohesive Communities</b> (Will this help stop conflicts within communities?)							
<b>Wales of vibrant culture and thriving Welsh Language</b> (Will this help protect and improve Welsh culture?)							
<b>Globally Responsible Wales</b> (Maintain Wales place in the World & protect it?)							
<b>Total Score</b>							

Bi-Polar Analysis Based on The Future Generations Goals							
	Positive				Negative		
	3	2	1	0	-1	-2	-3
<b>Do Nothing</b>							
<b>Prosperous Wales</b> (Will this help make Wales richer or poorer?)							
<b>Resilient Wales</b> (Will this help Wales cope with future changes?)							
<b>Healthier Wales</b> (Will this help improve the health of the people in Wales?)							
<b>More Equal Wales</b> (Will this help reduce areas with higher levels of the W.I.M.D.?)							
<b>Wales of Cohesive Communities</b> (Will this help stop conflicts within communities?)							
<b>Wales of vibrant culture and thriving Welsh Language</b> (Will this help protect and improve Welsh culture?)							
<b>Globally Responsible Wales</b> (Maintain Wales place in the World & protect it?)							
<b>Total Score</b>							

N. Draw a graph to help you to show your results from your Bi-polar analysis tables.

O. Describe what your graph shows you.

P. Which option would you recommend if you were the planning inspector?

- i. Why would you recommend this option?
- ii. Which problems does your option present?

Q. Why did you not choose the other two options?

R. Can you think of any other options to solve the problems of regular traffic jams on the M4 around Newport?