



Llywodraeth Cymru
Welsh Government

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A487 New Dyfi Bridge

Environmental Statement
- Volume 3: Appendix 3.1

WeITAG Planning Summary Tables

Final Issue | September 2017



WelTAG Planning Stage: Summary of Option Sift against V

Project name:	A487 Dyfi Bridge
Appraiser:	Ben Matthews
Date of completion:	Jan-12

Ref	Package Name	WelTAG Criteria															Decision	
		Economy			Environment							Society						
		Transport Economic Efficiency	Wider Economic Impacts	Noise	Local Air Quality	Greenhouse Gas Emissions	Landscape and Townscape	Biodiversity	Soil	Heritage	Water Environment	Transport Safety	Personal Security	Permeability	Accessibility & Social Inclusion	Health & Wellbeing	Equality, Diversity & Human Rights	
TM1	Traffic Management	-	-	-	-	-	-	0	0	+	+	++	0	+	+	+	+	Reject - performs poorly against economic criteria, particularly against journey time and reliability. Only minor benefits against the essential objectives of improving reliability and the integrity of Dyfi Bridge.
TM2	Traffic Management + flood mitigation	0	-	-	-	-	-	0	0	+	++	++	0	+	+	+	+	Progress - performs similarly to TM1a, however the flood mitigation measures should provide reliability benefits. Could offer a low cost alternative and merits further investigation
ON1	Raise A487 + traffic management + flood mitigation	+	-	-	-	-	-	-	0	+	+	++	0	+	++	+	+	Progress - Raising the A487 is likely to improve journey time reliability although concerns over the long-term integrity of Dyfi Bridge remain. Decision to progress is marginal and option should be reviewed at an early stage in the detailed appraisal process to ensure it remains viable.
WS1	Widening & strengthening	+	+	0	0	0	-	0	0	--	+	++	0	+	+	+	+	Reject - performs poorly against economic criteria, particularly against journey time and reliability. Only minor benefits against the essential objectives of improving reliability and the integrity of Dyfi Bridge.
WS2	Widening & strengthening + flood mitigation	++	+	0	0	0	-	0	0	--	++	++	0	+	+	+	+	Progress - performs similarly to TM1b, however the flood mitigation measures should provide reliability benefits. Could offer a low cost alternative and merits further investigation
WS3	Widening & strengthening + flood mitigation + raise A487	++	++	0	0	0	-	-	0	--	+	++	0	+	++	+	+	Progress - Raising the A487 is likely to improve journey time reliability although concerns over the long-term integrity of Dyfi Bridge remain. Decision to progress is marginal and option should be reviewed at an early stage in the detailed appraisal process to ensure it remains viable.
DO1	New crossing 200-500m downstream	0	++	0	0	0	-	--	-	+++	+	+++	-	+	++	++	+	Progress - performs well against economy and social criteria. Also performs well against essential objectives.
UP1	New crossing 200-500m upstream	+	++	0	0	0	-	--	-	+++	+	+++	-	+	++	++	+	Progress - The best performing option. Performs well against economy and social criteria. Also performs well against essential objectives.
UP2	New crossing approx 500m upstream, southern approach from station east of Eco Park	--	++	-	-	0	-	--	-	+++	0	+++	-	-	++	++	+	Reject - A relatively high cost option that does not deliver greater benefits. Could sever the railway station from Machynlleth town centre and likely to have greater adverse environmental impacts than other new road options.

WeITAG Planning Stage. Summary of appraisal against TPOs, Deliverability and WeITAG Criteria:

Project	A487 Dyfi Bridge
Appraiser	Ben Matthews
Date of	February 2012

Ref	Transport Planning Objectives (TPOs)								Deliverability																	WeITAG Criteria											
	TPO1	TPO2	TPO3	TPO4	TPO5	TPO6	TPO7	TPO8	Technical Constraints	Operational Constraints	Capital Cost	Operating Cost	Revenue Cost	Funding Source	Funding Available	Elected Representatives	The Public	Transport Operators	Timescale	Urgency	Risks	Economy		Environment						Society							
																						Transport Economic Efficiency	Wider Economic Impacts	Noise	Local Air Quality	Greenhouse Gas Emissions	Landscape and Townscape	Biodiversity	Soil	Heritage	Water Environment	Transport Safety	Personal Security	Permeability	Accessibility & Social Inclusion	Health & Wellbeing	Equality, Diversity & Human Rights
TM1	0	0	0	+	+	0	0	+	-	-	-	-	0	+	-	-	-	-	-	0	0	-	-	-	-	0	0	+	+	++	0	+	+	+	+	+	
TM2	0	0	0	+	+	+	0	+	-	-	-	-	0	+	-	-	-	-	-	0	-	0	-	-	-	0	0	+	++	++	++	0	+	+	+	+	+
ON1	+	+	+	+	+	+	-	+	-	-	-	-	0	0	-	-	-	-	-	0	-	+	-	-	-	-	0	+	+	++	0	+	++	+	+	+	
WS1	+	+	+	+	+	0	--	+	-	-	-	-	0	+	-	+	+	++	-	0	-	+	+	0	0	0	-	0	0	--	+	++	0	+	+	+	+
WS2	++	++	+	+	+	+	--	+	-	-	-	-	0	+	-	+	+	++	-	0	-	++	+	0	0	0	-	0	0	--	++	++	0	+	+	+	+
WS3	+++	+++	++	+	+	+	--	+	-	-	-	-	0	+	-	+	+	++	--	0	-	++	++	0	0	0	-	-	0	--	+	++	0	+	++	+	+
DO1	+++	+++	++	+++	+	0	--	+	-	-	-	-	0	-	-	++	++	++	--	0	-	0	++	0	0	0	-	--	-	+++	+	+++	-	+	++	++	+
UP1	+++	+++	++	+++	+	0	--	+	-	-	-	-	0	-	-	++	++	++	--	0	-	+	++	0	0	0	-	--	-	+++	+	+++	-	+	++	++	+
UP2	+++	+++	++	+++	+	0	--	+	-	-	-	-	0	-	-	++	++	++	--	0	-	--	++	-	0	-	--	-	+++	0	+++	-	-	++	++	++	+

REF	Scheme Option
TM1	Traffic Management
TM2	Traffic Management + Flood Mitigation
ON1	Raise A487 + Traffic Management + Flood Mitigation
WS1	Widening & Strengthening
WS2	Widening & Strengthening + Flood Mitigation
WS3	Widening & Strengthening + Flood Mitigation + Raise A487
DO1	New crossing 200-500m downstream
UP1	New crossing 200-500m upstream
UP2	New crossing approx 500m upstream, southern approach from station east of Eco

Transport Planning Objectives (TPOs)
TPO1 To improve the reliability of crossing the Afon Dyfi for people, freight and
TPO2 To improve efficient and reliable accessibility to key services including
TPO3 To maintain the role of Machynlleth as a vibrant and sustainable local centre
TPO4 To preserve the long-term integrity of Dyfi Bridge
TPO5 To reduce the number and severity of collisions and casualties on the A487 in the
TPO6 To ensure that flood risk to third parties is not increased
TPO7 To minimise the impact of transport improvements on the landscape, biodiversity,
TPO8 To increase the opportunity for efficient, safe and reliable travel by walking and