March Company Compan	ppraisal Summary Ta	able Broughton Bypass	Date produced: 14-Sep-15					Contact: Martin Galloway
March Marc		The Broughton Bypass is a key component of the programme of transport infrastructure investments, agreed as part of the Preston City Deal, that will collectively support the scale of as the preferred solution to the congestion, environmental and road safety problems experienced in and around Broughton village. It is also a precondition of the development in Whitt						Lancashire County Council
The content of the				Quantitative				
The color of the		in travel time of more than 5 minutes (60%) due to existing congestion levels in and around Broughton.	Ne 0 to 2min	et journey time change 2 to 5min	s (£) > 5min	N/A	£54.9m	
March 1985			rmal	N/A		N/A	N/A	
The content of the	Regeneration			N/A		N/A	N/A	
## 1	Wider Impacts		cts	N/A		N/A	N/A	
Part	Noise Noise	levels greater than or equal to 68 dBLA10.18hr and an increase in noise level of at least 1.0 dB compared to the equivalent DM2017 noise level. These properties are located on Whittingham Lane to the east of the proposed scheme and on D'Urton Lane. Further assessment work will be required to accurately establish the number of dwellings eligible for noise insulation. For the night-time assessment, 478 households are predicted to experience free-field noise levels > 55 dBLAeq.8hr in the DM2032 scenario. By comparison, there are predicted to be 33 fewer househol in the DS2032 scenario (445). There is a school (with associated playing field) and a church in close proximity to the proposed scheme. The school is likely to see a "moderate adverse" noise impact on scheme opening (DM2017 vs DS2017) and a "minor adverse" noise impact in the long term (DM2017 vs DS2032), whilst the church is likely to see "minor adverse" noise impacts both on scheme opening and in the long term.	dis Total people annoyed without scheme = 729 Total people annoyed with scheme = 705			N/A	£1.2m	Income Quintile 5 - Large Beneficial. Income Quintiles 1, 2, 3, 4 - Neutral. Children - Slight Adverse.
Marcal M	Air Quality	The proposed scheme is anticipated to lead to a improvement in air quality (exposure to PM10 and NO2 concentrations) overall. The Defra PCM model indicates that there are no links in exceedance of the NO2 EU Limit Value in the DM or DS scenarios. Income group 5 is expected to benefit from the change in Air Quality. Income quintiles 1, 2 and 4 will be negatively affected and income group 3 will not experience any change in Air Quality as a result of	Number of properties with no change (PM10): 746 of f Number of properties with a deterioration (PM10): 668 Number of properties with an improvement (NO2): 1665 Number of properties with no change (NO2): 0 Number of properties with a deterioration (NO2): 919 Local Air Quality Assessment Score PM10:-81 NO2: 528 Regional Emissions (Opening Year)		68 665	N/A	concentration: NPV: +£253k Value of change in NOx emissions	Income Quintiles 1, 2, 4 - Large Adverse.
Part Section	Greenhouse gases					NA	-£3.0m	
Pages Tourned Impact to environmentation Tourned	Landscape			N/A		Moderate Adverse	N/A	
Section 1. And the latter floring in the control of	Townscape		N/A		Moderate Beneficial	N/A		
The part of the pa	Historic Environment	Building and 6 Grade II Listed Buildings. The remaining impacts are on settings. The predicted physical impacts during construction are moderate or slight adverse. During operation the impacts on the	the N/A fected by rough of fith rit. rit. use adverse ds from N/A bonds er			Slight Adverse	N/A	
Secretary and Chemical Commission and Chemical Commission of the Commission and C	Biodiversity	There are six Biological Heritage Sites and four Local Nature Reserves within 5km, the nearest being the Lancaster Canal which is 1km northwest. None of these sites will be directly or indirectly affected this scheme. The predominant habitats through which the route would pass are improved grasslands and associated field boundaries (hedgerows with some mature trees). A designated broadleaved woodland, which contains a limited number of ancient woodland indicators in the ground flora, would be disturbed by a proposed underpass. This would have a moderate adverse effect on this habitat at construction reducing to slight adverse with mitigation 15 years after construction. A small number of mature trees would be lost, which are located along field boundaries, water courses, adjacent to ponds and within gardens within the footprint. Mitigation measures address these losses. There are a total of 25 hedgerows that are crossed by the Scheme footprint, of these 14 are species-rich and 11 are species-poor; the route is likely to cause slight adverse effects through habitat fragmentation and severance for associated flora and fauna at construction, reducing to nearly as set the result of habitat regrenation. There is a slight adverse defect through habitat fragmentation and severance for associated flora and fauna at construction, reducing to nearly as set the result of habitat reamonts. There is a slight adverse effect by the scheme for the scheme for the scheme, there is also a risk of damaging/polluting ponds adjacent to the scheme including a GCN pond. A moderate adverse effect in the short-term due to risk of damage to GCN breeding pond during construction, with no adverse effects by 15 years after construction when the mitigation to be developed under an EPSL would be fully effective. It is anticipated that there is potential beneficial effects on the GCN population in the longer term. The overall				Neutral	N/A	
sees — note that of ministed dues from the estation (precised or protest best conceptable of comparison or protest and ministed dues from the estation (precised or protest control group of southern plants of the protest or protest control group o	Water Environment		uld N/A		Neutral	N/A		
Committing and other coates allowed prevents about the CLEAN in fronting the section of the coates and all control general covered production and all covered productions are all covered productions and all covered productions and all covered productions are all covered productions and al		more than 5 minutes due to the existing levels of congestion in and around Broughton. Commuting and other users also experience a benefit (-£2.5m) through a decrease in Vehicle Operating Costs.					Income Quintile 1: Slight beneficial	
Statisticy report on Community and office reports in Statistics for community and office reports in sequence to be produced as the community and delays caused by reduces. However, no formul name and the community and delays caused by reduces. However, no formul name and the community and delays caused by reduces. However, no formul name and the community and delays caused by reduces a few parts. Physical activity Overal, Non-Macrosical Uses in Milkow would experience significant long term beneficial effects as a result of improved connectivity, improved aslety and improved connectivity of the control beneficial effects on the NAI reduced as a few in control activity. According to the control beneficial effects on the NAI reduced activity of the sequence significant long-term beneficial effects as a result of improved connectivity, improved aslety and improved connectivity into provide aslety and improved connectivity, improved already and improved connectivity into provide aslety and improved connectivity, improved already and improved connectivity, improved already and improved connectivity into provide and into the control into provide and into the control into provide and into the control into provide and into provide and into the control into provide and into provide and	<mark>й</mark>		0 to 2min	2 to 5min	> 5min	N/A	£77.3m	Income Quintiles 2,3,4: Moderate benefici Income Quintile 5: Large beneficial
Physical activity Overall, Non-Materialsed Users (Milital) avoid a operation a specifical ordination and present of a district consequent on the properties of a recognition and present of an electron and present ordination and pr	Commuting and Other			I .		N/A	N/A	
Affaulty the route through Exception would see a benefit in travellers' were, there would be a neutral effect on views as views would be similar to existing. No. Moderate Beneficial No. Moderate Beneficial No. Neutral No.		effects outweigh the long-term insignificant adverse effect of diverting existing PRoWs as required and would result in the scheme having a long-term insignificant beneficial effect.				Slight Beneficial.	N/A	
impact is therefore neutral. According to the distributional impact appraisal the scheme is expected to reduce numbers of casualties among cyclists and young maile drivers. Security There is unlikely to be a significant change to the security of travellers along the A.B. As road users are more vulnerable to crime in circumstances were they are required to stop their vehicles or travel at sow speeds the reduced congestion in Broughton as a result of the scheme may offer some security benefits. However, the removal of thing and CCTV in this area, an overall assessment score of NA Access to services The scheme does not directly affect the provision or location of public transport facilities and hence access to services is largely unaffected. However, the removal of through traffic from the A6 facilitates improved local journeys to community facilities with local trips experiencing less delay. There will also be improved cocases. Alfordability The scheme does not directly affect the provision or location of public transport facilities and hence access to services is largely unaffected. However, the removal of through traffic from the A6 facilitates improved local journeys to community facilities with local trips experiencing less delay. There will also be improved cocases. Alfordability The scheme does not distributional impact analysis all income groups will be affected evenly by an increase in vehicle operating costs of communities and vehicles and access to services in the scheme in a considered to have a beneficial impact analysis all income groups will be affected evenly by an increase in vehicle operating costs. N/A N/A N/A N/A All income quintiles - Moderate Adve developed in the scheme is considered to have a beneficial impact on community severance between Broughton due to the reduced congestion, however for many of them there would be a reduced to provide for all affected objective from road starline. The school children travel of the Scheme does not affect the availability of travel and evenlan	Journey quality	Although the route through Broughton would see a benefit in travellers' views, there would be a neutral effect on views as views would be similar to existing.	N/A			Moderate Beneficial	N/A	
speeds the reduced congestion in Broughton as a result of the scheme may offer some security benefits. However, due to the existing level of lighting and CCTV in this area, an overall assessment score of NA	Accidents	impact is therefore neutral.			Neutral	N/A	Young male drivers - Slight Beneficial Cyclists - Slight Beneficial	
mproved local journeys to community facilities with local trips experiencing less delay. There will also be improved crossing facilities and walking and cycling routes again facilitating improved access. Alfordability The scheme does not affect public transport fares, parking charges or road user charges. There will be an overall increase in vehicle operating costs of community and other (i.e. non-business) car trips as a result of the scheme. According to distributional impact analysis all income groups will be affected evenly by an increase in vehicle operating cost. Severance Overall the scheme is considered to have a beneficial impact on community severance between Broughton and the surrounding communities. The bypass would reduce traffic flows through Broughton thereby reducing the disturbance from road traffic. The school children travelling from the south of Broughton would experience beneficial impacts when travelling through Broughton due to the reduced congestion, however for many of them there would be a need to cross the new bypass which could potentially cause an adverse impact. The adverse impact will be mitigated through introduction of new crossings for pedestrians and cyclists and diversions provided for all affected footpaths making the overall impact on severance slightly energial. Option and non-use values The scheme does not affect the availability of transport services within the study area. N/A N/A N/A N/A N/A N/A N/A N/	Security	speeds the reduced congestion in Broughton as a result of the scheme may offer some security benefits. However, due to the existing level of lighting and CCTV in this area, an overall assessment score				Neutral	N/A	
a result of the scheme. According to distributional impact analysis all income groups will be affected evenly by an increase in vehicle operating cost. Severance Overall the scheme is considered to have a beneficial impact on community severance between Broughton and the surrounding communities. The bypass would reduce traffic flows through Broughton thereby reducing the disturbance from road traffic. The school children travelling from the south of Broughton would experience beneficial impact when travelling through Broughton due to the reduced congestion, however for many of them there would be a need to cross the new bypass which could potentially cause an adverse impact. The adverse impact will be mitigated through introduction of new crossings for pedestrians and cyclists and diversions provided for all affected footpaths making the overall impact on severance slightly beneficial. Option and non-use values The scheme does not affect the availability of transport services within the study area. N/A N/A N/A N/A N/A A Slight Beneficial N/A N/A N/A N/A N/A N/A A Local Government Funding (incl. Developer Contribution) = -£7.4m N/A Superior Central Government Funding = -£14.7m N/A -£22.1m	Access to services					Slight Beneficial	N/A	
thereby reducing the disturbance from road traffic. The school children travelling from the south of Broughton would experience beneficial impacts when travelling through Broughton due to the reduced congestion, however for many of them there would be a need to cross the new bypass which could potentially cause an adverse impact. The adverse impact will be mitigated through introduction of new crossings for pedestrians and cyclists and diversions provided for all affected footpaths making the overall impact on severance slightly beneficial. Option and non-use values The scheme does not affect the availability of transport services within the study area. NA NA NA NA NA A Slight Beneficial N/A N/A NA NA NA A Slight Beneficial N/A NA NA NA A Slight Beneficial N/A NA NA NA NA A Slight Beneficial N/A NA NA NA NA NA A Slight Beneficial N/A NA NA NA NA NA NA NA NA Slight Beneficial N/A NA Slight Beneficial N/A NA Slight Beneficial N/A NA Slight Beneficial N/A NA	Affordability	a result of the scheme. According to distributional impact analysis all income groups will be affected evenly by an increase in vehicle operating cost.	s	N/A		N/A	N/A	All income quintiles - Moderate Adverse
Cost to Broad Transport Budget Should be previously a contribution and the generation of the BCR, costs and contributions are discounted to 2010 prices and exclude the costs already incurred. A split of 64% Central and Local Government Funding (incl. Developer Contribution) = -£7.4m V/A -£22.1m		thereby reducing the disturbance from road traffic. The school children travelling from the south of Broughton would experience beneficial impacts when travelling through Broughton due to the reduced congestion, however for many of them there would I a need to cross the new bypass which could potentially cause an adverse impact. The adverse impact will be mitigated through introduction of new crossings for pedestrians and cyclists and diversions provided for all affected footpaths making the overall impact on severance slightly beneficial.	e N/A			Slight Beneficial	N/A	Children - Slight Beneficial
Budget 36% Local Gov/ Developer has been assumed. Central Government Funding = £14.7m NA £22.1m	· ·					N/A	N/A	
Indirect Tay Devenues There would be a decrease in tay being paid to the Eysberguer	Budget	36% Local Govt/ Developer has been assumed.	Central Government Funding = -£14.7m			N/A	-£22.1m	