NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

UNAPPROVED OUTLINE BUSINESS CASE

APPENDIX 9 - Appraisal Summary Table - Preferred Option









March Marc	ppraisal Summary Table		Date Produced: 15 May 2020	1	Contact:		
Part	Name of Scheme:	North Staffordshire Local Air Quality Plan				Nesta Barker	
Part	Description of Scheme:	were tasked with producing a joint plan. As the highway authority for the Newcastle-under-Lyme area, Staffordshire County Council has been assisting the authorities and together, the three authorities have developed a Local Air Quality Plan (NSLAQP).	plan to tackle NO ₂ exceedances at the roadside – know	n as the North Staffordshire	Organisation	Newcastle-under-Lyme	
No. Control		limits in the shortest possible time.	nary aim of the UK Air Quality Plan and bringing NO_2 air	pollution within statutory	Role	Senior Responsible Officer	
### Part Part							
	Impacts	Community of Karl Inneres					
Part	impaoto		Quantitative (£000's)	Qualitative		•	
Part		times and vehicle operating costs amounting to -£16.1m PV and -£4.1m PV, respectively. The introduction of the bus gates and potential issue of Penalty Charge Notices (PCNs) will also be a disbenefit to users of -£0.02m PV, giving an overall net disbenefit of -£20.3m PV.	1			Slight adverse impact on husinesses especially	
March 1900		mentioned will generate a benefit of £0.7m for business users. The measures proposed in the Preferred Option do not place a direct cost on vehicle owners although businesses are likely to be affected through having to reroute around the peak-time bus gates. The main impact from the Preferred Option might be	-£19,557	Slight Adverse	-£19,557	located in the Fenton Industrial Estate and a slight beneficial impact to bus operators.	
March Control Contro	Reliability Impact on Rusiness						
Manual M		Journey time reliability has not been assessed as part of the project.	·		N/A		
No. Continue Con			-				
Part							
Part	Noise		N/A	Neutral	N/A	No vulnerable groups are adversely affected.	
Part	Air Quality	The Preferred Option reduces the impacts of air quality across all sensitive receptors tested, in particular, nurseries, playgrounds, public open spaces and nature reserves. The analysis suggests that there will be a disproportionate benefit for more	NO _x Change: £1,534	Moderate Beneficial	£2,341	Beneficial outcome for all vulnerable groups.	
March Marc	Greenhouse Gases			N/A	-£518		
Part Content	Landscape	Landscape has not been assessed as part of the project.	N/A	N/A	N/A		
March Control Contro	Townscape	Townscape has not been assessed as part of the project.	N/A	N/A	N/A		
Production of the content of the con	Historic Environment	Historic environment has not been assessed as part of the project.	· · · · · · · · · · · · · · · · · · ·	·			
Processing of the form of the following following and processing of the particular design of the processing of the particular design of the partic							
The first time from the fi		The Preferred Option will achieve the main aim of bringing NO ₂ air pollution within statutory limits by 2022. As a result, commuting and other users will disbenefit from the provision of the package of measures making up the Preferred Option through increased travel times and vehicle operating costs amounting to -£32.1m PV and -£4.3m PV, respectively. The introduction of the bus gates and potential issue of Penalty Charge Notices (PCNs) will also be a disbenefit users of -£0.4m PV, giving an overall net disbenefit of -£36.8m PV. The Preferred Option includes a range of bus infrastructure improvements involving real time passenger information (RTPI), addition of new shelters, accessible kerbs at bus stops and CCTV at bus shelters. The bus infrastructure improvements mentioned will generate a benefit of £34.1m for commuting and other users. Under the Preferred Option, the operation of peak period bus gates on Victoria Road and Etruria Road will lead to a mixture of improved and longer travel times. Whilst journeys that would otherwise utilise the bus gates are likely to be longer, it may be that journeys using adjacent routes will make journey time savings due to reductions in overall traffic. The Preferred Option results in a moderate adverse impact across all quintiles and so no specific distributional effect is experienced. Considering the				Moderate adverse impact for all vulnerable groups.	
The Performance of the properties for the propertie		Journey time reliability has not been assessed as part of the project.	N/A	N/A	N/A		
Formery Quality Perfection Quality Perfectio	Welfare and Upgrade Impacts		-£773	N/A	-£773		
Preferred Option will allow improve pulselation accesses accessed the ASS and reduction in staff for flow or income route. **No.*** **Preferred Option will allow improve pulselation accesses accessed the ASS and reduction in staff for flow or income route. **Preferred Option route in the Preferred Option route in a commandation and in a commandation and in the access and accessed in the preferred option in control in staff for the preferred option in staff for the preferred option in control in staff for the	Physical Activity		N/A	Neutral	N/A		
In the Preferred Cydios, potential ecident risk impacts are concernate in area served in the 14 Kpc Terrisk flow of and A AD Vinces flower flo	Journey Quality		N/A	Moderate Beneficial	N/A		
Security security of the bus network to in fact utilise it. The proposed CCTV cames locations are predominately in areas with a relatively low-income population, with a high ratio of persons with disabilities and a high proportion of BME. As previously described, NA Moderate Beneficial The ASS Efturia Road and ASO Victoria Road bus gates will act as a physical barrier to private vehicles but not to buses. However, limiting the bus gate restrictions to peak times and to one direction of travel only will help to miligate any negative distributional impacts associated with private vehicle travel. Vulnerable groups using public transport might be possively impacted through instructional magnates associated with private vehicle travel. Vulnerable groups using public transport might be possively impacted through instructional codes and those with a high reportion of display especially and the proposed of the existing bus stops along the ASS Etruria Road will be enhanced through improvements to bus infrastructure measures as there will be an increased availability of information through IRTP is well as the provision of accessable kerbs at bus slogs. The bus infrastructure measures associated with the Preferred Option will increase costs to individual who have to renote around the proposed bus gates through an increase in feel costs and VCC. The cost of this impact is relatively small. The Preferred Option will increase costs to individual who have to renote around the proposed bus gates through an increase in feel costs and VCC. The cost of this impact is relatively small. The Preferred Option will increase costs to individual who have to renote around the proposed bus gates through an increase in feel costs and VCC. The cost of this impact is relatively small. The Preferred Option will increase form the Preferred Option will increase of individual who have to renote around the proposed bus gates through an increase in finance to the might value and the proposed of the preferred Option will increase of groups. Mannor	Accidents	In the Preferred Option, potential accident risk impacts are concentrated in areas around the two proposed gates on the A53 Etruria Road and the A50 Victoria Road. The option results in a combination of benefits and disbenefits, as traffic is primarily rerouted rather than being removed through modal shift. However, there is an overall small net benefit. 2.2% of road links are predicted to experience a reduction in traffic flows greater than 10%, while 1.3% of road links are predicted to experience an increase. Roads where significant increases are predicted include Manor Street, Porthill Bank Road and some road links which form connections to the A500. Distributional analysis of these impacts demonstrates that low-income households will benefit	N/A	Slight Beneficial	N/A	Beneficial outcome for all vulnerable groups.	
Access to Services distributional impacts associated with private vehicle travel. Vulnerable groups using public transport might be positively impacted through faster journey times at peak times. NA Slight Beneficial NA Slight Adverse NA Slight Beneficial NA Slight Benefi	Security	security of the bus network to in fact utilise it. The proposed CCTV camera locations are predominantly in areas with a relatively low-income population, with a high ratio of persons with disabilities and a high proportion of BME. As previously described,	N/A	Moderate Beneficial	N/A	Beneficial outcome for all vulnerable groups.	
Affordability The Preferred Option will increase costs to individuals who have to reroute around the proposed bus gates through an increase in fuel costs and VOC. The cost of this impact is relatively small. The Preferred Option may also provide positive indirect impacts to households through the improvements to bus infrastructure. Public transport is more commonly used by vulnerable people and so these improvements might have a positive distributional effect. The majority of severance impacts from the Preferred Option are improvements resulting from the diversion of traffic from congested road links, potentially improving the ability of pedestrians to take their preferred line to nearby amenities. The amenities affected cover a wide range of groups. Mannor Street has been assessed to have a slight adverse impact on severance as it acts as a displacement route from the bus gate on the A50 Victoria Road. This route is of relevance as it acts as the entrance to Christ Church C of E Primary School and so will impact children. Additional measures form part of the Preferred Option to help alleviate the impacts of possible increased traffic flow on this route including the provision of new road humps, carriageway results and provided and so will impact an investment in the transport network of £14.5m. Revenues are treated as part of wider public finances for appraisal purposes. When the potential revenues from PCNs of £0.4m PV are offset against costs, the overall implementation costs of £14.482 coffset by public sector revenue of £404 The Preferred Option will require an investment in the transport network of £14.5m. Revenues are treated as part of wider public finances for appraisal purposes. When the potential revenues from PCNs of £0.4m PV are offset against costs, the overall implementation costs of £14.482 coffset by public sector revenue of £404 The Preferred Option will require an investment in the transport network of £14.5m. Revenues are treated as part of wider public finances for appraisal purposes. Wh	Access to Services	distributional impacts associated with private vehicle travel. Vulnerable groups using public transport might be positively impacted through faster journey times at peak times. Pedestrian access to the existing bus stop along the A53 Etruria Road will be enhanced through improvements to the signalised pedestrian crossing facilities on this route. Improvements to bus infrastructure could serve to improve accessibility through bus users as there will be an increased availability of information through RTPI as well as the provision of accessible kerbs at bus stops. The bus infrastructure measures	N/A	Slight Beneficial	N/A	Beneficial outcome for the more deprived households, those with a higher proportion of children and disabled and those with a lower proportion of elderly residents.	
Severance The majority of severance impacts from the Preferred Option are improvements resulting from the diversion of traffic from congested road links, potentially improving the ability of pedestrians to take their preferred line to nearby amenities. The amenities affected cover a wide range of groups. Manor Street has been assessed to have a slight adverse impact on severance as it acts as a displacement route from the bus gate on the A50 Victoria Road. This route is of relevance as it acts as the entrance to Christ Church C of E Primary School and so will impact children. Additional measures form part of the Preferred Option to help alleviate the impacts of possible increased traffic flow on this route including the provision of new road humps, carriageway results affected cover a wide range of groups. Manor Street has been assessed to have a slight deverse impact on severance as it acts as the entrance to Christ Church C of E Primary School and so will impact children. Additional measures form part of the Preferred Option to help alleviate the impacts of possible increased traffic flow on this route including the provision of new road humps, carriageway Option and Non-Use Values Option and non-use values have not been assessed as part of this project. N/A N/A N/A N/A N/A N/A Preferred Option will require an investment in the transport network of £14.5m. Revenues are treated as part of wider public finances for appraisal purposes. When the potential revenues from PCNs of £0.4m PV are offset against costs, the overall revenue of £404 The Preferred Option will require an investment in the transport network of £14.5m. Revenues are treated as part of wider public finances for appraisal purposes. When the potential revenues from PCNs of £0.4m PV are offset against costs, the overall revenue of £404 The Preferred Option will require an investment in the transport network of £14.5m. Revenues are treated as part of wider public finances for appraisal purposes. When the potential revenues from PCNs of £0	Affordability		N/A	Slight Adverse	N/A	Slight adverse impact to the majority of vulnerable groups. This adverse impact is slightly offset for vulnerable people able to utilise public transport.	
Option and Non-Use Values Option and non-use values have not been assessed as part of this project. N/A N/A N/A N/A St14,482 costs, offset by public sector revenue of £404	Severance	affected cover a wide range of groups. Manor Street has been assessed to have a slight adverse impact on severance as it acts as a displacement route from the bus gate on the A50 Victoria Road. This route is of relevance as it acts as the entrance to Christ Church C of E Primary School and so will impact children. Additional measures form part of the Preferred Option to help alleviate the impacts of possible increased traffic flow on this route including the provision of new road humps, carriageway		Slight Beneficial	N/A	Slight beneficial impact to the majority of vulnerable groups with children being slightly	
Cost to Broad Transport Budget revenue of £404 revenue PV of net costs is £14.1m.	Option and Non-Use Values		N/A	N/A	N/A		
Indirect Tax Revenues As a result of significant changes to vehicle routing and the subsequent impact on travel times and fuel consumption, there will be an indirect taxation revenue to the government of £2.3m PV.	Cost to Broad Transport Budget			N/A			
	Indirect Tax Revenues	As a result of significant changes to vehicle routing and the subsequent impact on travel times and fuel consumption, there will be an indirect taxation revenue to the government of £2.3m PV.	£2,270	N/A	£2,270		