

Table of Issues/Findings, Identified Solutions, Possible Impacts & Draft Recommendations

Objectives (i) - Accessibility to Services, Employment, Education & Health Services			
Issue/Findings	Identified Solutions	Possible Impacts & Evidence	Relevant Draft Recommendations
1 Bus routes currently reviewed every five years (now due) but would benefit from more regular reviews to react to changes in the location of services, new businesses and housing developments, etc	Continued close working with the Quality Bus Partnership to encourage improvements in the bus service	Better bus service overall, with increased usage, but possible positive & negative effects in particular localities. Possible alterations in subsidy levels by CYC for socially necessary bus services in York.	Undertake an urgent review of the Council's bus strategy to see how the current stagnation in overall bus usage, decline in non-concessionary usage, and in the conventional bus network can be reversed - see Recommendation xi
2 Gaps in bus services would be reduced if the number of buses in use during 'school run' times was increased & bus priority & congestion reduction measures were introduced to release the extra 10% of buses required to cope with current congestion delays	Continued close working with the Quality Bus Partnership to encourage improvements in the bus service	Better peak service but potentially substantial additional costs for extra vehicles, and demand for increased subsidy by CYC for the bus services in York, unless 'congestion penalty' removed (see section 'v')	
3 Identifying under used bus services and implementing soft measures to encourage their use to ensure their viability & continuation	Offer discounted tickets and look at extending frequency of services to make them more attractive	Possible costs to the Council but in the long term increased revenue for bus companies	
4 Improved interchange points are needed in the city centre	Need to improve quantity and quality of bus shelters	Cost to CYC's LTP2 / Capital programme, plus maintenance budgets (offset by any extra advertising income)	
5 Extending the Park & Ride service would improve access to York Hospital outside of peak hours	New P&R type service from Clifton Moor to hospital and then Station for interchange	Relief of congestion and parking problems at hospital	Ensure the extension of Park & Ride services to include York District Hospital - see Recommendation xi
6 Need to make better use of taxis as part of a complementary public transport strategy, especially late night when there are taxi availability problems on busy nights. There is still also only limited DDA compliant vehicles in the fleet	Improved safety measures for taxis eg CCTV in Cars would encourage greater use and offer increased protection to drivers & passengers particularly at night. Allow additional DDA compliant taxi licences	Capital cost to taxi proprietors. Potentially more passengers particularly at night and greater opportunity for disabled people to obtain appropriate vehicles	Council to drive through early implementation of full DDA compliance for all Council vehicles and council procured bus services and CCTV in taxis and private hire vehicles - see Recommendation xiii
7 Need to publicise and spread good practices by employers across the city i.e. Travel Plans as many well established businesses do not have travel plans - Council to follow up their implementation	1) CYC to lead by example i.e. by implementing own Travel Plan 2) Publicity and promotion - low cost measure which could have significant benefit	Influencing Council staff's travel to work mode, and public and employer attitudes to how the journey to work is undertaken, thereby spreading the benefit and achieving modal shift and reducing peak hours congestion.	Reinvigorate 'Travel Plans' and ensure they are implemented, monitored and periodically updated - see Recommendation v
8 Making tourism more sustainable	a tourist tax with monies collected being used in total to deal with accessibility issues	Possible impact on competitiveness - legality and basis for any such tax	
9 Additional mapping work is required over and above that which was planned as part of LTP2 to show the positive effects on traffic congestion in York of the measures identified as a result of this review	Carry out additional mapping works	Clearer view of accessibility issues in the City, and better focus of future plans (bus services, cycle & walking routes, etc.) on where the most difference can be made. However any additional work would have an impact on staffing resources and other priorities.	Commission a detailed study of a future Transport Strategy to 2021 and beyond based around preferred scenario(s) - see Recommendation ii

Objectives (ii) - Air Quality - in particular looking at the five hotspots identified in the LTP2			
Issue/Findings	Identified Solutions	Possible Impacts & Evidence	Relevant Draft Recommendations
1 Road transport accounts for 49% of total emissions of Nitrogen Oxides. Mandatory EU limits for Nitrogen Dioxide (NO ₂) & particulates (PM ₁₀) are due to come into force in 2010			Undertake a short term project to measure levels of most harmful PM2.5 carcinogen carrying particles to understand if there is a problem in York - see Recommendation xix
2 The number, type and age of vehicles on York roads is relevant to the levels of pollutants recorded. The big polluters are lorries & buses, & older vehicles generally.			
3 York has 10 to 15 exceedences of PM ₁₀ which is well below the government objective of 35 exceedences allowed per year	unless there are major changes in York the levels of PM ₁₀ are at an acceptable level and therefore there is no solution required	Understanding of potential problem	
4 PM _{2.5} which represent the most dangerous elements, are measured at a national level and not by Local Authorities at present, and therefore there is no record of the level of PM _{2.5} in York.	Officers confirmed that, if required, they could undertake a short term project at minimal cost to measure levels of PM2.5 in the city.		
5 Rise in pollution since 2006, believed to be due to increased traffic linked to the opening of new car parks and the reducing differential between car park fees and bus fares	1.Implement a Low Emission Zone in & around City Centre 2. Introduce a local freight transhipment centre (see section iii)	Extra costs to businesses and operators from rerouting, and to Council in terms of scheme costs	Undertake a review of the Air Quality Management Plan with a view to taking more radical action to eliminate the health risks associated with York's NO ₂ hotspots by the EU deadline of 2010 - see Recommendation xviii
6 There are five technical breach areas around York's city centre; linked to NO ₂ levels Fishergate Lawrence Street Gillygate Nunnery Lane Holgate	3.Relocate queues using UTMIC 4. Obtain modal shift to bring back within limits 5.Road Pricing	transfers problem rather than solves it Improves Air quality for residents in breach areas Cuts traffic and improves AQ for residents in breach areas Leaves local residents breathing unsafe air with consequential impacts on health and quality of life	
7 Balance shift from petrol to diesel engines in local car fleet	6.Await long term effect of vehicle stock turnover due to more lower emission vehicles		
8 Fulford Main Street is one area of concern outside of the city centre			
9 Air Quality threats: Current and future car parking policies Ongoing large scale developments i.e. Germany Beck, Derwenthorpe, York Northwest, University Campus 3, & Terrys Dispersed retail, employment & other trip generators of very high car movements Proposed changes to CYC staff travel incentives Workplace parking in private sector Climate change policies Changes to local bus fleet & older buses Lack of funding for measures to tackle			

Objective (iii) - Alternative Environmentally viable and financially practical methods of transport			
Issue/Findings	Identified Solutions	Possible Impacts & Evidence	Relevant Draft Recommendations
1 Reducing the environmental impact of freight transport in the City.	Provision of a transshipment centre outside the City, thus transferring the environmental impact outside of the city centre where it may be of lesser concern. The introduction of a transshipment centre is a low priority at the moment, but is worth examination in the future and should not be dismissed.	Reduction in the number of large delivery vehicles to, from and in the city centre, reducing congestion and air pollution and improving the pedestrian area, but there is significant evidence that it would not be self financing and would require substantial local authority subsidy, and may meet resistance from businesses.	In regard to freight, the Council to: <ul style="list-style-type: none"> · Continue to keep the issue of providing a freight transshipment centre for the City under review if a suitable site and funding mechanisms come forward · Lobby government (national and EU) to improve standards for HGV engine efficiency and emissions · Ensure council owned and partners vehicle fleets, and tendered delivery vehicles move rapidly towards the most up to date emission and efficiency standards - see Recommendation xxv
2 York has a high level of short commuting trips (56% were less than 5km in 2001)	Campaigns needed to encourage modal shift - may need to review bus routes and timings and provide improved journey advice. Need to promote sustainable travel and individual journey planning (e.g. smart choice initiative)	Officer view & evidence from Sustainable Towns & Cycling, Demonstration Towns is that Smart Choice Schemes are very effective	Fund the early development of a comprehensive 'Smart Choice' package including personalised journey planning to maximise modal shift - see Recommendation v
3 Cycling's share of the travel market in York has remained largely static in recent years due to the perception of safety, lack of secure parking facilities and shower and changing facilities, and lack of confidence in York roads	Additional soft measures should be introduced to encourage walking and cycling over and above those initiatives included in LTP2	Should achieve real modal shift and a reduction in traffic congestion and air pollution. Impact on resources and budget and other priorities. Comparable european cities show much larger cycling share than York	The Council should reinvigorate cycling in York using the 'Cycling City' initiative and funding by: <ul style="list-style-type: none"> · tackling key gaps in the network and difficult locations i.e. bridges, key radials and junctions, as identified by the 2003/4 cycling scrutiny review but as yet not implemented
4 It is at least 5 years since a cycling campaign was run in York.	Further campaigns could be investigated if resources could be identified, including a 'Considerate Road User' campaign as suggested by the previous Cycling Scrutiny Panel	Providing good cycling facilities involves a trade off with other road users	<ul style="list-style-type: none"> · improving planning processes to ensure adequate consideration is given in new designs to cycling · relaunching the Cycling Forum with a view to giving stakeholders the opportunity to shape future cycling policies and proposals, and to encourage partnership work - see Recommendation xvi
5 Gaps in City Centre cycle network identified by previous Cycling Scrutiny Panel still not addressed	York could take advantage of future funding and technical advice to be made available by Cycle England in an effort to provide cycling facilities which are attractive to cyclists.		Tackle road safety issues and help to make roads more attractive to green modes by undertaking 'Considerate Road User' campaigns - see Recommendations xv
6 Cycling facilities across York bridges are an issue in general			
7 Cycling related target set as part of LTP2 regarding new developments over 0.4Ha to contribute either financially or physically to pedestrian, cycle or public transport networks	Threshold levels should be reviewed to bring them in line		The Cycling Champion for York to: <ul style="list-style-type: none"> · ensure cycling measures are focused around what will make a difference · promote considerate road user behaviour (including by cyclists)
8 Although buses are not the cleanest vehicles, continuing to try and keep fleets up to date, with low emissions and using optimum fuels is the best way forward for public transport	Continued close working with the Quality Bus Partnership to encourage improvements in the bus service	Increased subsidy by CYC for the bus services in York. Evidence that well over inflation price rises are reducing bus usage -assume converse applies	<ul style="list-style-type: none"> · engage the business community to encourage the provision of cycling facilities for both employees and visitors/customers - see Recommendation xvii
9 Use of mass transit systems e.g. conventional light rail (cost £10m/km), ultra light rail (cost £3-4m/km) and guided systems (cost £1m/km) are all seen as unaffordable in the York context	tram trains on existing rail lines, otherwise bus based solutions continue to be the only practicable deliverable option		

Objective (iv) - CO₂ Emissions			
Issue/Findings	Identified Solutions	Possible Impacts & Evidence	Relevant Draft Recommendations
1 The transport sector, including aviation, produces about one quarter of the Uks total carbon emissions. Road transport accounts for 85% of this.	1. Reduce need to travel 2. Undertake more journeys by environmen-tally friendly modes 3. Undertake more shared journeys 4. Improve vehicle engine efficiency & switch to lower / non-carbon based fuels 5. Improve driving standards (for fuel efficiency)		Fund the development of a comprehensive 'Smart Choice' package including personalised journey planning to maximise modal shift, including a re-invigoration of 'Green Travel Plans' and ensure they are implemented, monitored and periodically updated - see Recommendation v
2 The biggest vehicle polluters are HGVs and buses, which account for 42% of the carbon emitted by transport	6. Reduce congestion delays and fuel wastage		Commission a detailed study of a future Transport Strategy to 2025 and beyond based around scenarios emerging from the consultation - see Recommendation ii
3 By 2010 transport is expected to be the largest single contributor to EU greenhouse gas emissions			
Objectives (v) - Journey Times & Reliability of Public Transport			
Findings	Identified Solutions	Possible Impacts & Evidence	Relevant Draft Recommendations
1 Need to improve the public's perception of bus reliability. Congestion is prime cause of delays along with bus boarding times and inappropriate timetabling. Potentially, 10% of fleet are required to deal with this. Dwell time - operators could do more to improve boarding times	Timetables should be revised to more closely reflect actual journey times, particularly at peak times and on less frequent routes. More off bus ticket purchase & on bus conductors	Greater public confidence in timetables and use of bus services. Speeding up of service boarding allowing quicker, more reliable & therefore more attractive services especially at peak times. However concerns that off bus discounted journey tickets discourage occasional/less well off users	Local bus companies to be requested to continue to revise bus timetables to provide more accurate and credible timings and work to them - see Recommendation xi Quality Bus Partnership to be requested to examine and action ways of improving bus boarding times, whilst avoiding penalising occasional and less well off bus users - see Recommendation xii
2 Journey times are affected by delivery vehicles in the city centre	better 'policing' of delivery vehicles required. Need to look at current restrictions to see if improvements can be made and work with businesses to ensure they direct their delivery vehicles to the correct/appropriate places	Improved bus flow, greater reliability and increased bus usage.	Council to undertake with bus operators and the Police a joint review of loading and parking restrictions and their enforcement on bus routes - see Recommendation xii
3 On street parking causes a problem	1. Review waiting restrictions on bus routes where operators have identified problems 2. Seek better enforcement	Improved bus flow, greater reliability and increased bus usage.	
4 BLISS system data often inaccurate and not all buses in York are BLISS enabled. Cost of installing the BLISS system on a bus route is in the region of £10k, and is 4 years behind schedule. Only some routes are covered	Seek agreement with bus operators to convert all vehicles and roll out additional signs	Better public perception of signing system and bus operation, more informed choices and probable increased bus usage. Cost of additional BLISS measures and delay to lower priority measures	Review the operation and delivery of the BLISS real time bus information display system and agree a comprehensive programme for its early roll out across the whole network, with local bus operators - see Recommendation xii
5 Quality Bus Partnership not functioning as intended	Reinvigorate partnership, identify forward programme of measures and look at 'Quality Improvement Partnership' (QIP)	To bring focus to Council and operators actions and investment	Support City Strategy & bus operators to reinvigorate Quality Bus Partnership - see Recommendation xii
6 Limited scope for provision of additional bus lanes in York and operation of bus lanes is dependant on non-existent police enforcement	Identify where measures are possible including queue relocation measures, and seek police enforcement commitment. Identifying bottlenecks and re-locating bus stops would help to reduce congestion and improve bus reliability	Effectiveness of existing schemes such as on the Mount in speeding up bus services & better situation on Red Routes in London. Officer to review with bus companies - Ask QIP to discuss and pick up in review	Council to seek an agreed traffic enforcement strategy with North Yorks Police for the York area to address issues inc bus priorities, road safety, etc and establish an on-going delivery partnership arrangement - see Recommendation viii
7 Stagnation in growth of bus usage (and particularly of fare paying passengers)	Bus operators to hold down fares and improve services. Council to tackle the range of issues delaying buses reducing reliability etc	Reverse current trends	Undertake an urgent review of the Council's bus strategy to see how the current stagnation in overall bus usage, decline in non-concessionary usage, and in the conventional bus network can be reversed - see Recommendation xi

Findings	Identified Solutions	Possible Impacts & Evidence	Relevant Draft Recommendations
8 Changes to Park & Ride Services should be made clearer to the public and relative cheapness of the Park & Ride fares relative to local bus services creates a perverse incentive for local residents to drive to Park & Ride sites			Undertake an urgent review of the Council's bus strategy - see Recommendation xi
9 Traffic flow is 8-10% lower during school holidays, making a significant difference to reliability	Encourage non car journeys to school - tighten parking restrictions. Set traffic flow target for City @ free flow levels	Need to look at how London offers free travel on buses to under 16yrs to see if this could be part of the solution.	Seek an agreed enforcement strategy with North Yorkshire Police - see Recommendation viii
10 There are still a number of buses in operation that are not DDA compliant	See agreement to implement changes - use Council's own procurement process to drive change through Council funded services	Additional subsidy costs. Better disabled use and access	Council to drive through early implementation of full DDA compliance for all Council vehicles & Council procured bus services, and CCTV - see Recommendation xiii
11 Not all bus stops have timetables/shelters thus reducing the attractiveness of the bus package	Prioritise spending of LTP money over the next few years on missing timetable displays and shelters	Better perception of bus service package and knowledge of when buses due	Prioritise the provision of timetable displays and bus shelters at all bus stops - see Recommendation xi
12 Many people not fully aware of full bus network and ability to conveniently access less central destinations	Exploit new technologies e.g. messaging, internet etc Reinststate local bus info centre and carry out more general promotion of the bus network to new users	Make people more knowledgeable and confident with using the network, including those for whom face to face contact is important, and those who do not regularly use local buses	Ensure positive promotion of bus network and bus usage including passenger information - see Recommendation xvii Identify underused bus services and look at ticketing and marketing measures for all services, to improve usage - see Recommendation xii
13 Lack of knowledge of where to change on multi-leg journeys, lack of co-ordination of service timetables for interchange and cost of multi-leg journeys with different bus providers	Interchange points with enhanced user facilities, especially shelters & BLISS displays. Bus operators to look at service timetabling for through journeys particularly for less frequent services and times e.g. early mornings, evenings & sundays. Provide through ticket options at reasonable prices	Clarity and confidence for bus users making through journeys more attractive and increasing bus usage. Key feature of more successful EU and big UK city public transport facilities. Cost of providing extra facilities to Council and of through ticketing arrangements to operators.	Improve the quality of interchange points between public transport modes and between routes with designated interchange stops, and co-ordinate bus timings - see Recommendation xi
14 Cost of fares high and continuing to rise significantly relative to motoring alternative over recent years, creating affordability issues for the less well off and families	Bus operators to hold down fares to inflation. Council to increase subsidy to facilitate this, and/or universally to increase car parking charges to maintain marginal cost differentials and to use additional income for bus service support/investment	Maintain and increase attractiveness of bus services and therefore usage. Affordability to Council unless additional income and impact of increased car parking charges on public support and city centre economy	Renew focus through the Council's Quality Bus Partnership, on undertaking those measures that would most effectively stop the current decline in bus usage - see Recommendation viii Recognise again and explicitly consider the role of city centre car park availability and fee levels in influencing modal choice when fee levels are examined as part of the budget process. Or, more radically, take out that process entirely and set as part of a longer term policy based approach to both transport and the city centre economy, recognising the importance of both imperatives - see Recommendation vi

Objectives (vi) - Economic Performance			
Findings	Identified Solutions	Possible Impacts & Evidence	Relevant Draft Recommendations
1 The 2007/08 measured average vehicle delay time suggests congestion costs York £0.5m per annum	Dual outer ring road ('Future York' report), upgrade outer ring road junctions, radically improve local public transport, increase car park charges, introduce private non-residential (business) car park charges or introduce road pricing to reduce traffic and congestion	Increasing central car park charges for transport reasons may weaken the city centre economy. See Background Paper on 'Broad Strategic Options' evaluation. Private non-residential car park charges may discourage employees from coming to or remaining in York Road pricing if it substantially reduces congestion may offset the problems above, but it may equally put casual visitors and shoppers off. Evidence of success of London road pricing scheme, not public rejection of Edinburgh & Manchester proposals	Commission a detailed study of a future Transport Strategy to 2021 and beyond based around preferred scenario(s) - see Recommendation ii
2 Perceptions of congestion and traffic problems may put off inward investors			Adopt an on-going public engagement strategy in terms of the future transport strategy and solutions for the City - see Recommendation iii
3 Congestion related longer commuter journeys may put people off working in York and reduce the size and quality of the available labour market			
4 Money wasted by York residents on increased fuel usage in congestion, is money not available for other expenditure in the local economy			Tackle road safety issues and help make roads more attractive to green modes by undertaking 'Considerate Road User' campaigns - see Recommendation xv

Objectives (vii) - Quality of Life			
Findings	Identified Solutions	Possible Impacts & Evidence	Relevant Draft Recommendations
1 Busy roads reduce social interaction and divide communities	Reduce traffic by ideas listed in 'Identified Solutions' section of Objective (vi) above	As listed above in Objective (vi)	Commission a detailed study of a future Transport Strategy to 2021 and beyond based around preferred scenario(s) - see Recommendation ii
2 Noisy roads especially at night, disturb sleep and can have adverse effects on health and on children's cognitive development			
3 Busy roads make cycling and walking less attractive			Adopt an on-going public engagement strategy in terms of the future transport strategy and solutions for the City - see Recommendation iii
4 Evidence of a clear correlation between obesity and levels of walking and cycling and use of public transport	Promote health benefits of more walking and cycling	Reverse current adverse trends on health and obesity	Tackle road safety issues and help to make roads more attractive to green modes by undertaking 'Considerate Road User' campaigns - see Recommendation xv
5 Major vehicle presence can detract from historic / conservation area settings	Reduce traffic and street furniture, along with all the signs and other street clutter		

Objectives (viii) - Road Safety			
Findings	Identified Solutions	Possible Impacts & Evidence	Relevant Draft Recommendations
1 Pedestrian accidents particularly concentrated in and around city centre, and then on main and distribution road in the main urban area (inc Haxby & Strensall)	1. Implement an effective strategy based on a combination of the following: a. Reducing traffic flows b. Managing traffic speeds	Well researched link between traffic speed, accident numbers and severity. Improved adherence to seat belt laws, drink driving laws and speed limits etc	Tackle road safety issues and help to make roads more attractive to green modes by undertaking 'Considerate Road User' campaigns - see Recommendation xv
2 Many more cycle accidents again predominantly on main and distribution roads within the main urban area (inc Haxby & Strensall)	c. Reducing the potential for conflict, particularly between motor vehicles and pedestrian/cyclists d. Improved education, training and publicity	Extensive evidence of reduction from past accident improvement and traffic calming schemes	
3 Powered 2 wheeler accidents predominantly within ORR area evenly distributed but beyond ORR generally higher speed and more serious, and believed to be larger motorbikes	e. Targeted police enforcement (including weekends / early Sunday mornings		
4 Motor car accidents predominantly on main and secondary roads throughout the Council area			
5 Serious accident peaks in the weekday rush hours which are the congestion peaks, unlike Saturday/Sunday (believed to be linked to relative cycle / pedestrian volumes). There is also a lesser peak in the early hours of Sunday after 1am - probably drink related - when traffic policing ends. Compounding effect of extra road accidents at peak periods leading to additional delays and congestion			
7 Problem with traffic enforcement by Police beyond major trunk road network consistently being given less and less priority over many years. Police strategy appears completely detached from the Council's transport & network management strategy	a) Seek to establish a joint CYC / NYP traffic enforcement strategy - perhaps annual traffic enforcement priorities b) Review contingency arrangements (network management / police / other emergency services) for dealing with accidents on the primary route network in terms of minimising delay, rapid information distribution to other road users of the problem and alternative route information c) Make representations to the Govt for the early rollout of the relevant sections of the 2004 Traffic Management Act which gives powers to Local Highway Authorities outside London re 'moving traffic' offences. d) better 'policing' of delivery vehicles required. May need to look at current restrictions to see if improvements can be made. Also need to work with businesses to ensure that they direct their delivery vehicles to the correct/appropriate places	Better enforcement may reduce blockages and congestion. Evidence of red route lane enforcement in London	Council to seek an agreed traffic enforcement strategy with North Yorkshire police for the York area to address issues including bus priorities, road safety, on-street parking, school no parking zones etc together with establishing an on-going delivery partnership arrangement - see Recommendation viii