

Acceptance of road pricing: Lessons from past experience

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30th November 2012

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Transport Research in Practice
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Aim

 To explore issues relating to the acceptance of road pricing and the lessons from past experience





Structure of presentation

- Background
- Road pricing schemes
- Acceptability issues
- Conclusions



Background

- Road user charging has a long history.
- History littered with proposals for schemes which have not been implemented following trials or have advanced little beyond the drawing board.
- Only a small number of schemes have been implemented world-wide.



Shifting Ground

- Growing concern with the level of congestion.
- Growing concern about the implications of road transport on the environment.
- Development of new technology.
- Financial constraints under which authorities are operating.



Road pricing

- The term is well established in the field of transport economics where it usually refers to setting a price equal to marginal social cost.
- The basic concept is deceptively easy apply the price mechanism in the same way as it applies elsewhere.

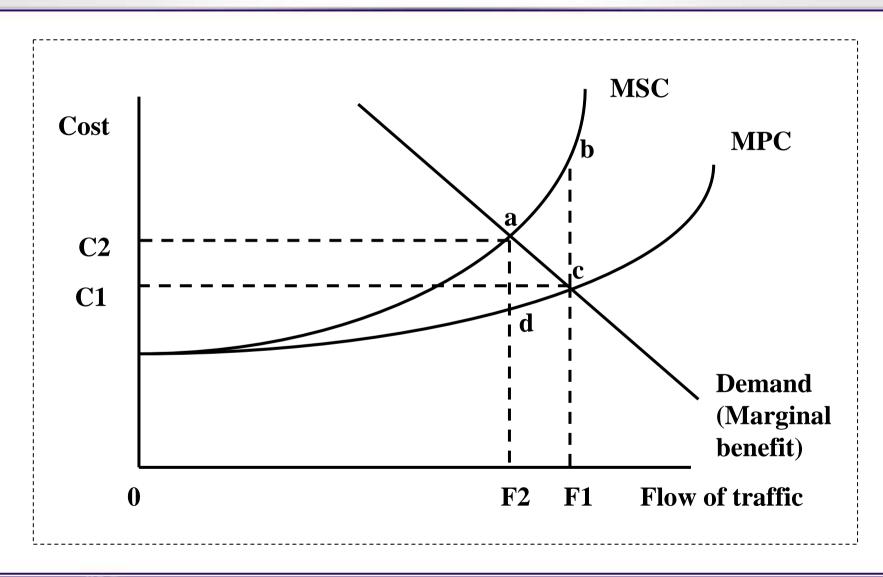


Road pricing

"Road users should pay the marginal social cost of using the road network if they are to make the right decisions about whether (and by which means) to take a particular journey, and, more generally, to ensure that they make the correct allocative decisions between transport and other activities" (Newbery 1990)

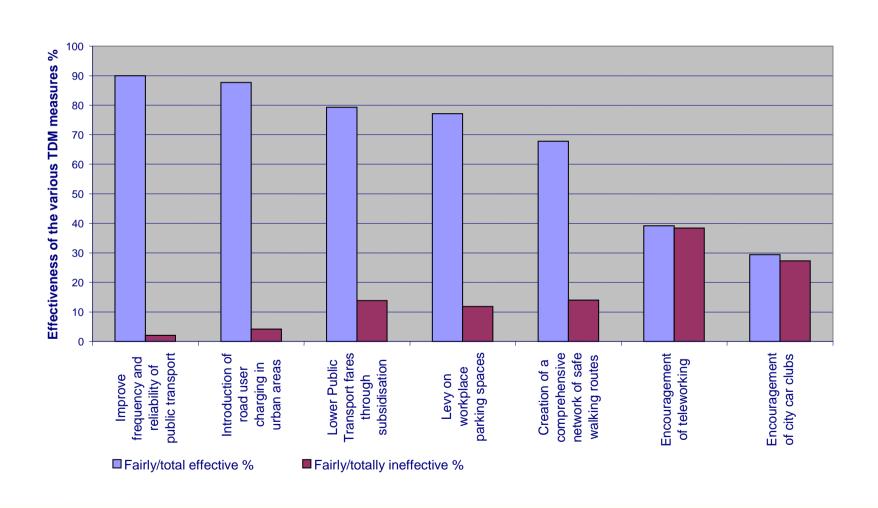


Economic underpinning of road pricing



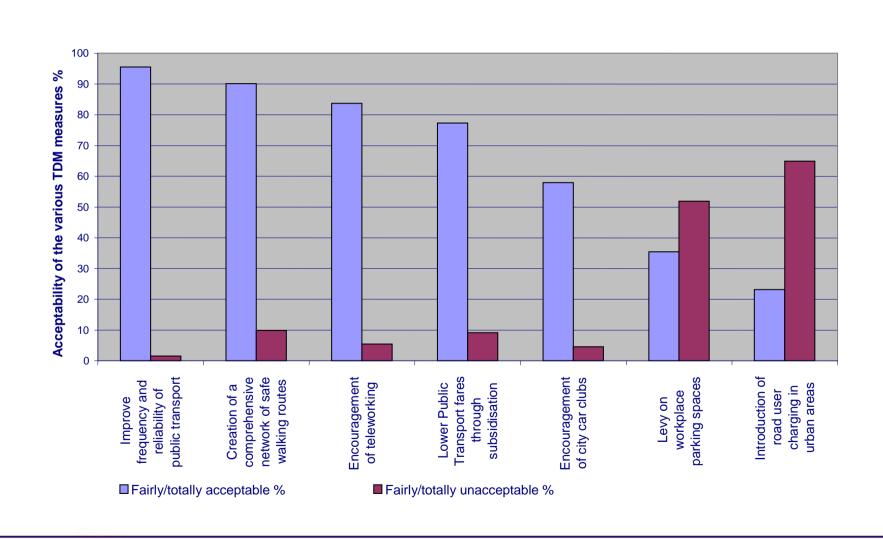


The effectiveness of various transport measures





The acceptability of various transport measures





Road pricing schemes

Certain schemes have been considered but have failed to be implemented:

- Electronic Road Pricing (Hong Kong)
- Congestion Metering (Cambridge)
- Congestion Charging (Edinburgh)
- Congestion Charge (Manchester)

Others have been implemented:

- Area Licensing Scheme (Singapore)
- Road user charge (Durham)
- Congestion Charging (Central London)
- Road pricing (Stockholm)
- Controlled Vehicular Access (Valletta)



Cambridge 1990-1993





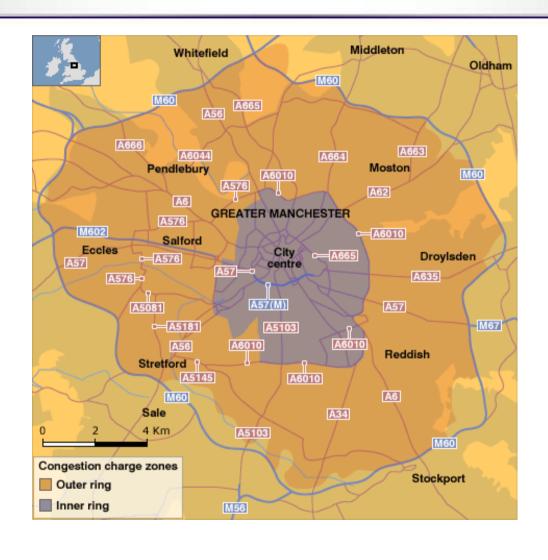


Edinburgh 'No Vote 2005'





Manchester 'No Vote 2008'





Singapore 1998-



Source: Singapore Land Transport Authority



Durham 2002-



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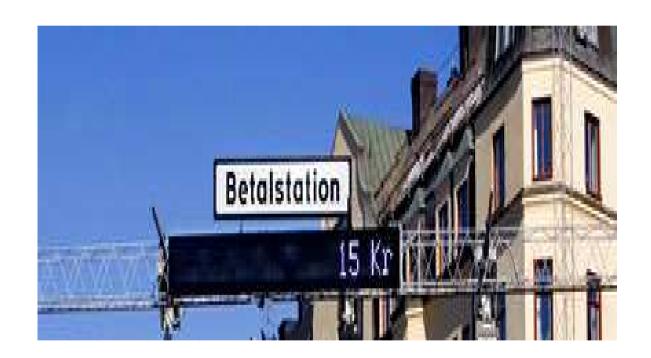
Central London Congestion Charging 2003-



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Stockholm 2007-





Valletta 2007-







- Level of opposition
- Severity of congestion
- Clear and well understood objectives
- Use of revenue
- Exemptions
- Simplicity
- Single implementing agency
- Policy champion
- Timing
- Presentation



Level of opposition

- Groups that opposed congestion charge did not possess sufficient power to halt the schemes introduction.
- Londoner's felt a radical measure was required since traffic levels had reached unacceptable levels.

Severity of congestion

- In Hong Kong the view was that the situation had been exaggerated.
- View in Cambridge was that congestion was not severe enough.
- Radical proposals can fail because congestion is not bad enough.

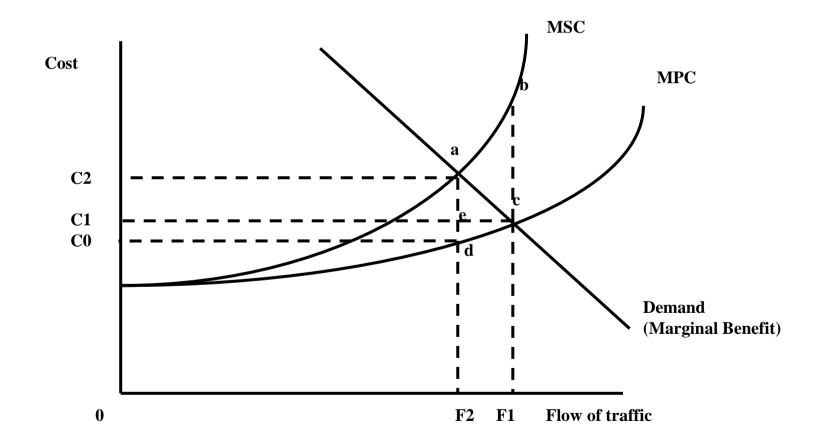


Clarity of objectives

- Key area for decision-makers.
- In terms of congestion metering lack of clearly stated objectives was a reason for the schemes failure.
- Congestion charging objectives:
 - A reduction in total traffic within the zone;
 - An increase in traffic speeds;
 - A reduction in the level of congestion.
- Clear and unambiguous, which the communication and marketing strategy extensively promoted.



Use of revenue





Use of Revenue

- In terms of congestion metering objective was to use surplus revenue to fund public transport improvements.
- View was expressed that if congestion metering could have been introduced simultaneously with a vastly improved public transport system it would have proved more acceptable.



Exemptions

- In terms of congestion charging there was flexibility.
- The scheme operates a number of exemptions and discounts, including:
 - All alternative fuel vehicles.
 - Vehicles driven by or carrying disabled people.
 - Emergency vehicles.
 - Vehicles with nine or more seats.
 - Residents within the charging zone (they get a 90 per cent discount).



Exemptions

- Which motorists, if any, should be exempt requires careful consideration.
- In Hong Kong view was that well organised groups such as taxi drivers would exert political pressure to be exempt.
- This would increase the burden on other road users with private car drivers feeling singled out and discriminated against.



Simplicity

- There is an argument that the acceptability of road pricing is most likely if the starting point is a simple system.
- One which can be developed and refined with time.
- This was clearly a weakness in terms of congestion metering in Cambridge.
- Congestion charging is a relatively simple scheme.



Single implementing agency

- The policy decision to adopt congestion charging in London rested with the Mayor, as the key decisionmaker of the Greater London Authority (GLA).
- In Cambridge County, City and District politicians had an interest in congestion metering.
- Transport Officials were responsible for implementation and were the driving force but it was politicians who had the ultimate authority.



A catalyst for change

- Proposals for a congestion charging scheme was included in Ken Livingstone's election manifesto before he became the Mayor of London.
- In Hong Kong Transport Secretary had reputation of being promoter of unpopular policies.
- In Cambridge role of Director of Transport seen as all important and his retirement was perceived as a significant reason for lack of continuation of the scheme.
- A policy champion or protagonist dedicated to the task of implementation is important in terms of road pricing.
- The implementation of road pricing will involve a diverse range of stakeholders in a fragile alliance and as such a policy champion able to provide leadership and direction is required.



Timing

- London experienced political stability during the introduction of congestion charging.
- The scheme was introduced early enough in the Mayors term of office to avoid political instability.
- In Hong Kong opening of Mass Transit Rail and decline in rate of economic growth meant level of congestion had improved.
- Political elections in Cambridge did not help congestion metering.



Presentation

- A communications strategy was vital to the success of congestion charging in London.
- TfL had clear objectives and it launched a public information campaign in all main radio stations, TV channels and most newspapers, together with a web site.
- The objectives were clearly stated throughout this campaign, which raised awareness of the scheme to 97% of the target market.



Conclusions

- Number of challenges.
- Road pricing can be seen as an effective instrument for managing transport demand.
- One of the major issues however is acceptance.
- It is not possible to attribute acceptance of road pricing to one factor.



Conclusions

- Identified a range of factors but not exhaustive.
- Need to be overcome given the projected growth in traffic and implications for the environment.
- Lessons learnt from schemes that have not been implemented.
- Provides important lessons for authorities world wide considering the introduction of a road pricing scheme.



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