## TRANSPORT AND HOUSING SECURITY IN THE KLANG VALLEY, MALAYSIA

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#### **ABSTRACT**

study are suggested the utility of the conceptual framework. Some policy implications of the investigation and case study of the Klang Valley is used to illustrate and test the relevance of a focus on this issue and transport infrastructure and the impact on transport problems for the poor of policies affecting the understanding these linkages is presented. Key examples include displacement to make way for those with rapid motorisation and large numbers of "squatters". A simple framework for gap in the literature, including policy debates, on both housing and transport. A number of location of urban poor housing, including relocation sites and transit accommodation. The case linkages are shown to be important and likely to be relevant in many cities of the South, especially the example of the Klang Valley in Malaysia. The interface between these issues is identified as a This paper explores links between transport and housing security issues for the urban poor using

Keywords: urban transport, housing security, eviction, relocation, urban poor, Malaysia

### INTRODUCTION

security, using the example of the Klang Valley connections between transport and housing intersection between these issues, in particular in the urban areas of the South. However, this transport problems for people living in poverty Kuala Lumpur's metropolitan region. Much has been written about both housing and paper focuses on part of the somewhat neglected

"slum clearance" approach to the issue has long characterised by poor security of tenure. The people live in "squatter settlements" urbanisation is continuing and large numbers of not least in much of Asia, where rapid poor persists as a key issue for cities in the South housing in accessible locations for the urban The problem of a lack of secure, affordable

> rights (Mitlin, 2001). of access to services and lack of civil and political but also, among other things, poor housing, lack in large numbers in many places. The issue is evicted and for having proved ineffective in been rejected in the literature for causing here as involving more than just low incomes (Anzorena et al., 2000). Urban poverty is treated initiatives, investment and security of tenure the poverty reduction potential of housing further underlined by increasing awareness of reducing the problem itself (Aldrich & Sandhu, numerous undesirable outcomes for the people 1995). Nevertheless, forced evictions continue

important transport challenges. These are Expanding cities in the South also face

> of which the poor are disproportionately the mechanisms involve housing, particularly of poverty and transport deprivation (Gannon which points to a mutually reinforcing cycle daily mobility are rising quickly (Barter et al. in Asia where motorisation and aspirations for urban settings leads directly to displacements. access to affordable housing. In addition, the & Liu, 1997; Hook, 1998). A number of the on transport deprivation among the urban poor forthcoming). There is a growing body of work particularly acute in densely populated cities pressure to expand infrastructure in dense

tendency for policy discussion to focus on one poor housing issues should be considered evictions. To be fair, the literature on housing except to address specific projects causing literature on housing for the poor have rarely housing rights movement and the associated both fields. For example, the well-established housing represent a gap in policy debates in that linkages between transport and urban poor are already contesting this in certain countries sector at a time. Another might be the when making transport policy choices has rarely discussed below). However, the idea that urban the location of urban poor housing (as has drawn attention to accessibility issues in paid significant attention to transport policy to question (Dimitriou, 1992), although activists technocratic nature of the transport planning been discussed. One possible reason is the process that makes it difficult for non-experts A motivation for this study is the observation

and transport run both ways, with housing security, in particular, the issue of evictions policy and practice affecting transport, and vice An underlying aim of this research is to prompt interactions but my primary focus is on housing versa. I will briefly discuss a range of the key these into account. programmes in all three areas can better take housing and transport so that policies and links between livelihoods of the urban poor further investigation into the significance of The interactions between policy in housing

> significance of the Malaysian evidence conceptual framework and the wider assessment of the relevance and utility of the on transport and housing security in the final section. This sets out the goals for Klang Valley sets the scene for the case study of the housing and transport situations in the employed in this research, followed by a interactions. The paper concludes with an the investigation of the Klang Valley case and and housing security and a conceptual discussion of connections between transport including a discussion of policy insights. then examines relevant evidence from that city framework clarifying these. Then an overview The next section outlines the methods

#### **METHODS**

poor housing and transport linkages organisations (NGOs) active in these areas. activists and stakeholders,2 and a review of at relevant conferences with key experts internationally. Methods included interviews finalised and published) which reviews urban builds upon ideas in a pilot study (yet to be literature, including that of non-governmenta This investigation of the Malaysian situation

supplemented for this study by drawing upon comparative study of the urban transport and also motivated and informed by my other wider study. The focus on the Klang Valley is activities of the Urban Resource Unit (URU) monitoring and other housing-related the recent news media record and the eviction & Laube, 2001). This data-rich, spatial and (Kenworthy & Laube et al., 1999; Kenworthy transport data compilation projects that builds upon two earlier international urban (Barter, 2000, 2001; Barter et al., forthcoming) land use development of this urban region research, including an ongoing historical need to further refine the conclusions of the Valley, and whether the case study suggests a on transport and housing security in the Klang insights this wider study provides for a focus transport-oriented perspective has beer The present investigation asks what

Relevant Factors

Main Categories Main Mechanisms

cases may have escaped the reporting efforts a small NGO based in Kuala Lumpur on whose of both the Malaysian media and URU transport connection, although some relevant database of urban poor housing cases with a These sources provided a Klang Valley consultative committee I served for two years.

### SECURITY TRANSPORT AND HOUSING

affordable and secure housing. One side of proximity to unskilled jobs (opportunity). This security, identity and opportunity, with the such as inadequate public transport and long secure, but where they face transport problems. where affordable housing may often be more secure, affordable housing in accessible security (including evictions). Underlying a relocation sites following eviction (Keivani & very poor tending to value most highly that households make trade-offs between observation (cited in Gilbert & Gugler, 1982:86) travel times. This relates to Turner's Boonyabancha, 1983). Conversely, they can of affordable mobility); the other is the lack of need for transport or access and their need for income residents face between satisfying their transport linkages with urban poor housing background to the subsequent focus on housing, sites and services projects, and practices that influence the location of public is relevant, for example, to policies and (and increasingly do) live near the urban fringe insecure tenure (for example, see housing in such locations tends to face highly income-generating opportunities, but low-cost live in inner locations with easy access to the dilemma is their low daily mobility (or lack number of the linkages is the dilemma that lowfor the urban poor which are important linkages between urban transport and housing Let me now very briefly canvass some relevant Werna, 2001 locations. Low-income households can try to

mobility as a major cause of the access Other linkages also relate to low daily

> viability of public and non-motorised encourage footloose land use development based mobility of higher-income groups can and poorly functioning land markets can segregation of socioeconomic groups can poor (Manning, 1984; Hook & Replogle, 1996) transport, the modes most important to the patterns and (directly and indirectly) harm the poor. This is because higher private vehicleaddressing transport inequity, may not help trying to increase mobility in general, without However, it must be pointed out that simply their transport burden (Gannon & Liu, 1997) 1975:106), and inflexible housing regulations create access problems for the poor (Stretton, to housing (Hook, 1998). For example, spatia problems faced by the poor, including access very much to increase housing choices for the households to move house in order to reduce reduce the flexibility of low-income

summarised in Figure 1. The focus is on those understand the main categories, mechanisms evictions issues most relevant to housing security and urban poor housing and transport issues, is and key factors in the interactions between The framework used in this section to

### to transport infrastructure A direct impact: Displacement due

of resettlement in its portfolio of projects. of resettlement in comprehensive urban displacement and evictions in many cities. In transport impacts upon it. Transport infrastructure is also often the primary cause Jakarta region financed by the Bank in the early Urban Transport Development Project in the often cited is the Indonesian Jabotabek First displaced in a short period of time. An example result in very large numbers of people being implicating 25 per cent of projects in 1993 identified transport as the largest single cause the mid-1990s, the World Bank (1994) infrastructure is a significant direct cause of I now turn to focus on housing security and 1990s (World Bank, 1996). Transpor (such as under a large international loan) can Individual large projects or major programmes

> Transport impacts on housing for the poor Impact of low daily mobility of the poor on housing access and choice affordability and legitimacy standards on housing Impact of transport-related Transport policy and practice

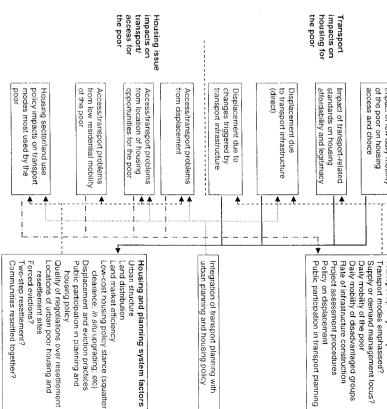


Figure 1. A simple framework for key linkages between transport and urban poor housing

with transport components (World Bank, 1996) the Lyari Expressway (URC, 2002). income settlement in Karachi to make way for 25,400 housing units from an established lowthreatened imminent eviction of an estimated A current dramatic example in Pakistan is the Bank's Surabaya Urban Project is associated example, 67 per cent of the resettlement in the development projects. In Indonesia, for

transport in frastructure are disproportionately from among the most vulnerable groups in It seems likely that people displaced for

of land (such as waterways, power lines and to Patel, 1999) Mumbai's 18,000 railway dwellings, according security of tenure on such land (e.g. for difficult, if not impossible, for settlers to gain attractive for transport projects. It is particularly of course, road and railway reserves) that are new transport routes (Gannon & Liu, 1997: as low-cost, "easily cleared" alignments for society with particularly weak housing tenure for squatter settlements is on linear reserves Hook, 1998). In addition, a common location Low-income settlements tend to be identified

Preliminary investigations as part of the pilot study suggest that transport-related displacements are likely to be most intense where motorisation is increasing rapidly and there is a high rate of expansion of transport infrastructure, where population densities are high and where there are large populations living without secure tenure. Evictions are also more likely where there is poor protection of housing tenure rights in general. Other factors include transport policies that emphasise highly space consuming modes, such as private cars, versus space-efficient modes, such as high-capacity public transport modes (Bruun & Schiller, 1995).

of formal legal title to land by some affected of the multilateral lending agencies, provided clearing land (Hook, 1994). Fairly good models beyond just the immediate cost of buying and the project cycle" (p.10) and that "the absence resettlement be an integral part of project resettlement recommends "that involuntary Bank's (1995) policy on involuntary practice. For example, the Asian Development that these policies are honoured in actual should also help; for instance, cost-benefit assessment procedures for transport projects groups should not be a bar to compensation" design, dealt with from the earliest stages of found in the involuntary resettlement policies much broader range of impacts of displacement assessments should take explicit account of a seek to minimise the number of households infrastructure policy seems to be another key. for national resettlement policies can now be displaced as an integral feature. Reforms to Ideally, infrastructure policy and practice can The attitude to resettlement in transport

## Indirect transport impacts on housing security

There are a number of less direct impacts of transport upon housing security for the poor. The first of these is a set of transport examples of excessively high standards and criteria, such as minimum set-back, parking and road right-of-way requirements, that tend to raise

the price of land and housing beyond the reach of the poor (Mabogunje *et al.*, 1978). Unrealistic standards are also among the factors that render unplanned housing areas illegal and discourage *in situ* upgrading. Conversely, reforms to provide more realistic or flexible standards can improve the affordability of housing. An example of relevance to middle-income countries is to change parking standards in order to decouple the housing market from the market for parking (Jia & Wachs, 1998).

Gentrification and development pressure are also threats to poor households if their neighbourhoods are suddenly rendered more accessible by transport infrastructure projects. Land values tend to rise in the vicinity of new mass transit stations, or in peri-urban locations newly served by transport infrastructure. If there are no policies for governments to "capture" some of the increase, then landowners will reap a windfall (Ryan, 1999). However, residents without secure tenure, including renters, will be unable to profit and may face both heightened threats of eviction and rising monthly rentals.

# Transport and access issues in resettlement practice

first moved into transit accommodation, and involve two steps, with evicted people being impacts of eviction (for example, as cited by the displacement, building on a long literature to address transport-related issues as a result the fact that many resettlement processes Further access-related problems result from networks when communities are split apart support and community-based mutual aid transport services (Keivani & Werna, 2001). jobs, services, public facilities and public is their lack of accessibility with respect to complaint about resettlement sites worldwide Gilbert & Gugler, 1982:100). A common that has drawn attention to the negative of displacement, regardless of the cause of directly or indirectly by transport infrastructure Displacement also reduces access to social We can also look beyond evictions caused

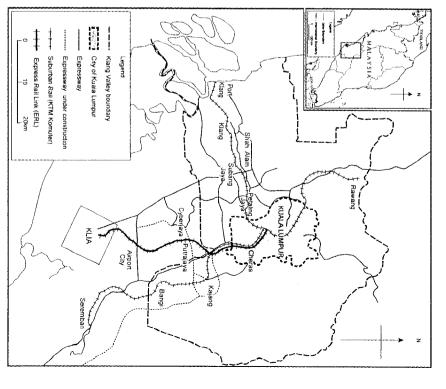


Figure 2. Map of the Klang Valley and environs, showing major transport infrastructure.

only later to permanent housing, especially if neither transit accommodation nor eventual resettlement sites are close to each other or to the original settlement and if they lack adequate public transport (Patel, 1999).

# HOUSING AND TRANSPORT IN THE KLANG VALLEY

Brief examinations of the transport situation and the status of urban poor housing in the Klang Valley here serve as background to the subsequent discussion of the relevance of the

framework in Figure 1 to the Klang Valley. The Klang Valley is Malaysia's pre-eminent urban region, centred upon the Federal Territory of Kuala Lumpur (Figures 2 & 3). Its population has grown rapidly from about 2 million at the 1981 census to 4.5 million, according to the most recent census in 2000. By the mid-1990s it was a middle-income city with a per capita Gross Regional Product (GRP) of about US\$7,000 (then about RM17,500) in 1995 prices (Kenworthy & Laube, 2001). The region has a modest urban density of under 60 persons per hectare of urban land use, which is unusually

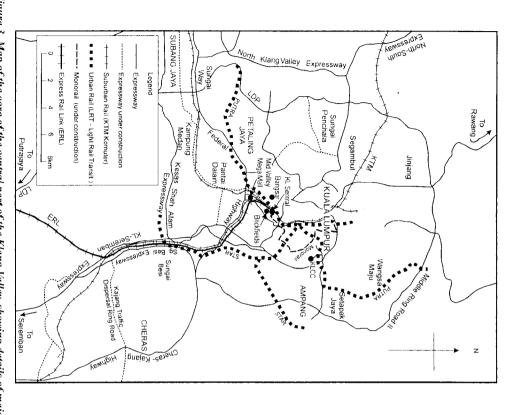


Figure 3. Map of the core of the central part of the Klang Valley, showing details of major transport infrastructure.

low for a large Asian city (Barter et al., forthcoming). The urban structure has tended to become multicentred, developing predominantly via a series of planned new towns (Lee, 1987). This process is continuing with the recent extension of urban development to the south in a corridor that includes the new Federal administrative centre of Putrajaya (Bunnell et al., 2002).

# Urban poor housing in the Klang Valley

Although the Klang Valley has seen spectacular urban development, housing for the urban poor remains a critical issue (Morshidi *et al.*, 1999). Official data based on incomes suggest a low incidence of poverty in Malaysia's urban areas at 4.1 per cent in 1995 and 3.9 per cent in 1999 (EPU, 2001:57).

permanent low-cost housing. Of the 1,323 cramped "longhouses", while awaiting (1998), however, estimates that almost 20 per in 1997 (Bunnell et al., 2002). Syed Husin for many years or even decades (Syed Husin 2000a) where, in some cases, families remain in 1999, 855 were resettled in longhouses (URU. urban squatter eviction cases known to URL in transit accommodation, in the form of figures do not include former squatters living in squatter housing in the early 1990s. These cent of the population of the Klang Valley lived in 1980 to 16.8 per cent in 1985 and 9.2 per cent has been gradually reduced from 21 per cent Klang Valley remains significant, although it picture. The proportion of "squatters" in the housing tend to paint a somewhat worse Indicators such as access to formal sector

mostly of Tamil descent, many having been squatters (Bunnell, 2002), together with other pioneers" (peneroka bandar) instead of of basic services such as electricity and water encouraged by ruling coalition political from Indonesia. recent rural migrants and immigrants, mainly lands, make up another large group of displaced by the redevelopment of those "squatters". Former rural plantation workers Many therefore prefer the label "urban municipal authorities through the provision 1998). Most have been tacitly recognised by parties to settle on state land (Syed Husin. Malay settlers arrived in the cities and were In the 1970s, large numbers of mainly

Resettlement of low-income residents for transport infrastructure might not be such a problem if such resettlement always adhered to international standards, such as taking every step possible to minimise the need to resettle people, ensuring full consultation and negotiation with all those affected and making sure that no eviction renders anyone homeless (UN-HABITAT, 1996). However, squatter and transit accommodation communities in urban Malaysia have very weak tenure, and laws do not ensure fair

been promoted vigorously enough to mee and inducements (Syed Husin, 1998). The proper resettlement (Asia Times, 1999). not unknown. In 1995, the United Nations' and roofed with galvanised iron. Forced the need (Morshidi et al., 1999) urbanised states have stated targets of zero governments of a number of the most incidence in Malaysia of evictions without Special Rapporteur on Housing criticised the evictions are common and violent evictions enormously depending on circumstances and horizon, however, low-cost housing has not squatter settlements within a short time involve coercive tactics, including threats universally of makeshift wooden construction tenure is reflected in a reluctance to invest in involved. Malaysian squatters' insecurity of the tactics used by each set of actors resettlement (URU, 1999b, 2000b; Syed Husin, with squatters and their compensation and is a lack of consistent procedures for dealing compensation or provision of alternative Negotiations over resettlement commonly improvements to their houses, that are almost 1998). Consequently, outcomes vary housing before eviction. As we will see, there

# Urban transport in the Klang Valley

shortly before construction begins. planning and decision making in Malaysia build" approach, attempting to build enough urban region tends to follow a "predict and sector under build-operate-transfer (BOT) particularly expressways and rail systems information is released to the public unti (Rasagam, 2001). In many cases, minimal process with little or no public participation for transport (Barter, 2001). Transport hardly any effort so far to manage demand infrastructure to cope with the demand, with most of which has been built by the private investment in transport infrastructure change resulting from motorisation and high Since the mid-1980s, transport in the Klang tend to be conducted as a technocratic Jomo, 1997). Urban transport planning in this and build-operate (BO) formulae (Gomez & Valley has been characterised by rapid

TABLE I. SOME KEYTRANSPORTSYSTEM AND LAND USE CHARACTERISTICS IN THE KLANG VALLEY COMPARED WITH MIDDLE-INCOME AND HIGH-INCOME GROUPINGS OF CITIES<sup>1</sup>, CIRCA 1995

USA

WEU

ΛIH

NIV.

MIO

VALLEY: KLANG

Metropolitan gross regional product per capita (US\$)		S31,386	\$32,077	\$34,797	\$9,776	\$6,625	\$6,991
Passenger cars per 1,000 persons		587	414	217	198	265	209
Motor cycles per 1,000 persons		13	32	66	154	15	175
Passenger-car passenger km per capita	pass. /capita	18,155	6,202	3.724	3,517	4,133	4,345
Motorcycle passenger km per capita	pass. /capita	5	119	100	1,165	78	1,365
Length of expressway per thousand persons	m/1,000 cap.	156	85	22	27	43	68
Per cent of motorised pass, km on public transport	,°,	دي	19	50	27	37	=
Public transport investment per cent of metro. GRP	9,0	0.2	0.4	0.5	1.2	0.4	=
Road investment per cent of metro. GRP	8	0.9	0.7	1.0	1.3	0.7	1.8
Urban density	persons/hectare	15	55	134	164	54	58

'The groupings of cities are as follows: Western and Southern Europe (WEU): 32 cities; United States of America (USA): 10 cities: High-income Asia (HIA): Tokyo, Osaka, Sapporo, Hong Kong, Singapore; Middle-income Asia (see Barter et al., forthcoming, for more details) choice of cut-off point between MIA and HIA groups, was informed by hierarchical cluster analysis of the data set Budapest, São Paulo, Johannesburg, Cape Town, Krakow. The choice of members of these groupings, such as the (MIA): Taipei, Seoul, Klang Valley, Bangkok: Middle-income Other (MIO): Tel Aviv, Prague, Curitiba, Riyadh,

In the case of the Klang Valley, most of these data refer to 1997 Note that the MIA group includes the Klang Valley

Source: Kenworthy & Laube (2001).

expressway length per person (68 m per 1,000 among Asian cities for a high level of urban space. The Klang Valley stands out rather high levels of mobility by private in Kuala Lumpur's central business district (Barter et al., forthcoming). Parking provision density of this expressway network is higher in contrast to high-income Asian cities (Table (Kenworthy & Laube, 2001). (CBD) is also high in international perspective than those found in most North American cities people) (Figures 2 & 3). In fact, the spatial because both can be voracious consumers of particularly relevant to the focus of this paper motorised vehicles relative to its income levels, Laube, 2001) shows that the Klang Valley has Road and parking provision may be Data from a recent study (Kenworthy &

to ameliorate this, there has been a remarktraffic congestion remains acute. In an effort Despite the intense road-building efforts,

> the role of public transport in the Klang service in 2000 in three major systems - KTM about 209 km of electrified double-tracked can reverse this trend. and it remains to be seen if the rail systems Valley, which had been declining since the to the Kuala Lumpur International Airport opening in 2002, the Express Rail Link (ERL) (BKWPPLK, 1998) - with two further systems Komuter, STAR LRT and PUTRA LRT ably rapid expansion of the rail network since 1970s, dropped precipitously in the 1990s, the central area (Figures 2 & 3). Nevertheless, (KLlA) in Sepang and the monorail system in the early 1990s, from nothing to a system of

#### SECURITY FOR THE POOR: THE TRANSPORT AND HOUSING CASE OF THE KLANG VALLEY

considered in conjunction with the framework The findings in the previous section, when

> subsection below, I briefly assess the available study - or are there surprises here? In each and does the evidence in the Klang Valley is the framework helpful as a starting point

reflect expectations based upon the wider

# TABLE 2. MAJOR TRANSPORT INFRASTRUCTURE PROJECTS IN THE KUALALUMPUR (KL) METROPOLITAN AREASINCE 1990

PROJECT NAME

CONSTRUCTION

DISPLACEMENT SIGNIFICANT REPORTED?

Noau Frojects	i	
North South Expressway (Central Link in Klang Valley)	1994-97	Some
KL-Karak Highway	1994-99	Yes
North Klang Valley Expressway (NKVE)	1994-97	-9
Kesas Shah Alam Expressway	1993-98	Yes
North Klang Straits Bypass	1995-98	Yes
Federal Highway II extension	1995-98	. 3
Cheras-Kajang Highway	1995-99	Yes
Middle Ring Road II	1995-2001	Yes
Sungai Besi Highway	1996-99	Some
Damansara Puchung Expressway (LDP)	1996-99	Some
Inner Ring Road completion (Jalan Tun Razak)	1999-2001	No.
Ampang Elevated Expressway	1996-2001	. 3
Pantai Expressway	1996-	Yes
Kajang-Scremban Expressway	1997-	- 3
Kajang Bypass/Ring Road	1997-	Yes
SRINT (western KL traffic dispersal) expressways	1998-	Some
Shah Alam-Kluang (Guthrie Corridor) Expressway	2001-	Some
West Coast Expressway (Banting-Taiping)	2001-	-3
Rail Projects		
KTM Komuter (suburban rail double-tracking, electrification)	1992-96	Yes
STAR LRT	1994-98	Yes
Putra LRT	1995-98	Yes
KL Sentral (rail hub)	1997-2001	Some (rail workers)
Monorail	1998-2002	Yes
Express Rail Link (KL-Putrajaya-KLIA)	1998-2002	Yes
Other Kuala Lumpur International Airport (KLIA)	1994-1998	Yes

Klang Valley's housing security and transport presented (Figure 1), suggest a number of linkages. In particular, the investigation asks: issues for investigation with respect to the Husin (1998); URU (1999a; 2000a); Bunnell (2002); and various news items. port policy and practice

Sources: Compiled from various sources, including EPU (1996); BKWPPLK (March 1998); JICA (1998); Syed

# Displacement as a result of trans-

projects (Table 2). Complete data are not especially in light of the high pace of building infrastructure such as expressways and rail structure projects are expected to be an available, but the evidence below confirms that important cause of recent displacements, transport infrastructure. Transport infra-Significance of displacement directly due to



Plate 1. Making way for the Pantai Expressway, Petaling Jaya South. Author's photograph.

area of Bangsar in Kuala Lumpur) was one of cent) of the 9,710 households reportedly facing evictions, involving almost 2,000 squatter planned evictions as of early 2000 (URU, development accounted for 1,133 (about 12 per evictions for the ERL, 113 for road projects and the Klang Valley. The breakdown reveals 66 households counted by URU's monitoring in (about 27 per cent) of the 745 evicted significant in the Klang Valley. In 1999, transport households (URU, 2000a). This expressway the largest single sources of threatened western suburb of Subang Jaya to the central least 380 squatter households (URU, 1999a) that apparently resulted in the eviction of at infrastructure development accounted for 203 direct transport displacements have been corridor passes through a number of the Klang In 2001, the Pantai Expressway (from the south-Expressway Highway project was a large case 2000a). In 1998, the Kesas Shah Alam 24 for a bridge; transport infrastructure

Valley's most populous squatter settlements in the Pantai Dalam area and Petaling Jaya South (Plate 1). Further examples will be highlighted below.

Although displacement for transport infrastructure has affected significant numbers of people, the Klang Valley's relatively low urban density and multicentred structure mean that transport probably causes fewer evictions than would equivalent investments in most other Asian cities that are much higher in density and usually monocentric in structure (Kenworthy & Laube, 2001).

Who are the victims of transport-related displacement? As previously mentioned, households displaced for transport infrastructure tend to be disproportionately from among the most vulnerable groups in society. This appears to be the case in the Klang Valley, where almost all transport-related

displacements documented in recent years have been of so-called squatters with very weak housing tenure. Incidentally, the focus of this paper on squatters as the most threatened group in this urban region would not necessarily be appropriate in countries where residents in many low-income settlements have some kind of customary tenure and cannot be considered squatters.

One reason that the most deprived groups among the region's squatters are disproportionately victims of displacement for transport projects is because many of the displaced settlements have tended to be found in particularly precarious locations on land reserved for infrastructure, including waterways, rail or road alignments and electricity rights of way. This is illustrated by the large numbers of evictions for rail projects the large numbers of energy the large numbers of evictions for rail projects discussed below. Weak security of tenure means that the displacements are more likely to be without adequate compensation and to involve violations of housing rights, including forced evictions. More will also be said about this below

The Land Acquisition Act 1960 (Act No. 486, amended 1997; see <a href="http://www.lawsofmalaysia.com/english/acts.asp?act=Act+486">http://www.lawsofmalaysia.com/english/acts.asp?act=Act+486</a>) provides for strong powers to acquire land for public or private purposes. However, there have been few transport-related displacements in the formal housing sector, in which cases landowners can generally expect to receive adequate compensation or equivalent dwellings elsewhere (as in a recent case reported in *The Star*, 4 March 2002).

Transport modal priorities and displacement. We can speculate that expressway-related displacements might tend to be more significant compared with rail in the Klang Valley due to the somewhat greater expansion of expressways, and since expressways are more space consuming per kilometre than rail systems. However, both expressways and rail projects were large generators of

evictions of squatters in the Klang Valley in the 1990s, with both sources probably accounting for several thousand displaced households. Vehicle parking facilities have not featured as a cause of reported displacement or eviction in the Klang Valley, despite the increasing demand for parking.

Poor Associates, 2000). examples, for example, in Mumbai, Jakarta and Asia and there have been a number of similar been heavily occupied by squatters. This evictions for the STAR light rail system were single-tracked national rail system. The main squatters had shared the reserve with the old with the corridors chosen for expressways. In surprising scale of rail-related displacements Aman in Petaling Jaya (Syed Husin, 1998). The least 100 squatter households and included a significant cause of evictions in that year. In mentioned above, the ERL was another the demolition of the Kampung Cina squatter 350 households) (Syed Husin, 1998). In late also resulted in significant evictions (at least Berhad, that took place in the early 1990s and company, Keretapi Tanah Melayu (KTM) electrified rail system of the national railway Klang Valley for the KTM Komuter suburban living in railway reserves (Patel, 1999; Urban Manila, of large-scale evictions of squatters seems to be a widespread phenomenon across from a long abandoned rail corridor which had the case of the KTM Komuter system. populated with squatter settlements compared for the rail systems were particularly heavily be due to the fact that various alignments used in the Klang Valley during the 1990s seems to violent forced demolition in Kampung Taman 1996, the PUTRA light rail system displaced at settlement in Brickfields (Plate 2). As 2001, Kuala Lumpur's monorail system caused the STAR light rail system in the mid-1990s numbered in the thousands. The building of ments resulted from the double-tracking in the The most significant rail-related displace-

Transport infrastructure planning practice and evictions. One would expect that the lack of openness and transparency in the transport



Plate 2. Kampung Khatijah, Brickfields, Kuala Lumpur, affected, like Kampung Cina by the monorail project.

squatters) discovered the imminent acquisition of owners of expensive bungalows on lease-Star, 1998). In another recent case (unusually, of their properties from newspaper reports (The Malay reserve landowners (in this case not way project through Sungai Penchala, the very late. In the case of the SPRINT Expressa transport project often discover its existence Households threatened with displacement for order that alternatives can be sought. for either informed negotiations or for case. There is little opportunity in the process to support this expectation in the Klang Valley and forced eviction due to transport and increase the likelihood of confrontation to reduce the chances of negotiated outcomes planning process and the lack of strong hold land in Shah Alam), the owners discovered resettlement problems to come to light early in infrastructure. Indeed, there is some evidence policies to minimise displacement would tend

that they were to lose their houses to an expressway project only after construction had begun (*The Star*, 2002).

also appears unlikely in the near future. might be to adopt a transport policy that relies Malaysian transport infrastructure agencies minimising policies will soon be required of that it is unlikely that stronger resettlementbeyond just the immediate costs (Hook, 1994). range of negative impacts of displacement cost-benefit assessments of transport projects exceptional since, internationally, it is rare for displacement from transport projects, except less on major infrastructure projects, but this Another way to reduce transport-displacement Unfortunately, policies on squatters are such to adequately take explicit account of the full insofar as it might minimise costs. This is not apparently lacks strong policies to minimise Malaysian transport planning policy

The issue of displacement is further complicated by the high level of private sector involvement in transport infrastructure construction in Malaysia, which also contributes to the rapid expansion of such infrastructure. In earlier privatised projects, government agencies usually assumed responsibility for acquiring the land and clearing it of squatters. However, media reports and URU's monitoring indicate increasing involvement of infrastructure concession companies in the land clearance process.

by the developer towards the deposit. However, compensation sums ranged from zero to more transport-related cases in the Klang Valley, many cannot afford the low-cost houses that with bank loans), sometimes with some payment buy low-cost houses (that need to be paid for than RM15,200 (US\$4,000) (URU, 2000a; 2000b). and often results in forced evictions. In recent chances of fair negotiations, increases disputes displacements. The lack of consistent RM40,000 (US\$10,500) (URU, 2000b) raised from RM25,000 (US\$6,580) to almost the price for low-cost units in central areas was they are offered (URU, 2000b; Morshidi et al.. Commonly, squatters are offered the chance to procedures for displacement further reduces the 1999). This has become more of a problem since Inconsistent practice on transport

as one case affecting 200 people in the Jalan good faith. The Pantai Expressway project, for compensation is inadequate, when eviction to only RM1,000 (Leong, 2001). At Kampung reduced the compensation offer from RM11,000 Klang Lama area where the developer allegedly alternatives on offer due to inability to pay, poor often willing to move when the arrangements Sri Murni in the Ampang area, 30 families were example, has seen a number of disputes over location, or anger that negotiations were not in is ready and when the residents reject the takes place before alternative accommodation seem fair but that many disputes arise when low (and changing) compensation offers, such forcibly evicted for a road link after negotiations URU's dossiers suggest that squatters are

> demonstrators and 16 people were arrested used water cannon to disperse 300 way for the widening of the main road. Police wooden shops/houses at Kampung Penaga (off supply (The Sun, 1998a). In another case, 40 along with an offer of free electricity and water of RM1,000 to move to temporary longhouses, offer from the developer, while the developer broke down. They claimed there was no forma Municipal Council (*The Sun*, 1998b). never been any formal negotiations with the lots on offer were too small and that there had Jalan Klang Lama) were demolished to make claimed to have offered them a 10 per cent Those affected complained that the new shop deposit on low-cost houses and an allowance

a much more pervasive negative official view of informal urban settlements, particularly (Morshidi *et al.*, 1999:81). developments, including low-cost ones car parking spaces must be provided in housing sector housing is the setting of rates at which standard contributing to higher costs for formal squatters. An example of a transport-related Malaysia this appears to be only a small part of status of informal settlements, in the context of contribute to the precarious legal and official While transport-related standards can to observe but we should be alert for any clues. transport, including gentrification, are difficult security for the poor. Indirect impacts of Indirect transport impacts on housing

One area to watch for possible transport infrastructure-triggered gentrification is the inner city neighbourhood of Brickfields in Kuala Lumpur, which contains a wide diversity of housing types and socioeconomic groups. The opening in 2001 of the KL Sentral rail hub has dramatically increased the accessibility of the area. Although there has been a burst of highries condominium construction in the last five years, residents report that rental rates for existing housing in the area have been stable or declining. It is possible that gentrification has been delayed by the Asian economic problems of the late 1990s.

# Transport hardship resulting from housing policy or resettlement

In light of earlier arguments, we expect that the impact of housing policy and resettlement practices on transport and access for the urban poor might be ameliorated (compared with other low-income or middle-income cities) by the relatively high daily mobility of Klang Valley households, including many low-income ones that own motorcycles.

city (The Star, 1999). They were eventually example, squatters at Sungai Udang in offered a low-cost housing option about 10 resettled 20 km away on the other side of the "unreasonable" by rejecting offers to be Segambut, Kuala Lumpur, risked being labelled Many examples in the dossiers compiled by as has been reported elsewhere, such as in particular problem appears not to be as severe accommodation. The Klang Valley provides locations distant from the original sites. For URU (1999a; 2000a) mention resettlement at Manila recently (Urban Poor Associates, 2000). some examples of squatters being evicted to inaccessible relocation sites, although this Accessibility of relocation sites and transit

The accessibility of transit accommodation is also an issue. An example of a major transit campaigning for improved bus services for women in this community have been at a resettlement site, was a good bus service areas. In a small survey in 1997, the top reason service because the area is a cul-de-sac several accommodation site with severe transport motorcycles (Zaitun & Barter, 2001). So affected than the men, many of whom have several years, complaining that they are worse top requirement, when asked about facilities residents gave for disliking their situation was which bus companies find unattractive to problems is Jinjang Utara, Kuala Lumpur, (Residents of Jinjang Longhouse, 1997). Young "lack of efficient public transport/bus" and the bodies and an expressway from neighbouring kilometres from the main road, isolated by water

accessibility issues are important for less mobile groups, even in the generally "highmobility" Klang Valley urban region. Ironically, most of the residents of Jinjang Utara had originally been relocated to these longhouses in the early 1990s as a result of the double-tracking and electrification of the Klang Valley KTM Komuter system. Some of their cases are also examples of distant relocation since former communities had been scattered all over Kuala Lumpur, some over 15 km away in southern parts of the city.

In some cases, residents of transit longhouses in the Klang Valley have found themselves again being evicted for transport projects before they are properly resettled. This happened to former squatters from the demolished Kampung Udara in southern Kuala Lumpur who were threatened with forced eviction from their longhouses to make way for the Pantai Expressway project and told to move to distant City Hall longhouses in Cheras and Setapak Jaya, which also would have split the community (*The Malay Mail*, 1999).

# Residential mobility, housing policy and transport

cost houses to middle-income people (Morshidi *et al.*, 1999) speculative activity and the transfer of lowresettled squatters to resell their low-cost flats eventually confer rights to land). This removes adat or customary law, squatting could in negotiations tend to strengthen in Malaysia, as elsewhere, squatters' positions contribute to their transport burden. In housing regulations and practices that reduce within a 10-year period in order to minimise Another example is a regulation that forbids residential mobility of low-income households designated for demolition but also reduces the incentives for last-minute influxes into areas law (under earlier British Common Law and although this arrangement is not codified in proportion to their duration of occupation, move house and, hence, inadvertently the flexibility of low-income households to The Klang Valley provides examples of

### IMPLICATIONS AND CONCLUSION

This paper has highlighted part of the neglected interface between transport and housing security for the urban poor using the Klang Valley as a case study and found a number of linkages worthy of detailed investigation. In doing so it has suggested that this issue is of relevance to those interested in either urban transport in the South or housing security for the urban poor.

A conceptual framework highlighted two main aspects of this interface: first, transport influences on housing issues and, second, housing issue influences on transport/access for the poor. The discussion focussed on those elements of the framework most relevant to housing security and to two main issues within this focus, namely, the direct displacement of urban poor residents for transport infrastructure and the impacts on accessibility of the location of resettlement sites.

occupy precarious sites in corridors that are brought to light the fact that squatters often of these linkages. For example, the case study observations and expectations suggested by the framework. The case study confirmed many in the Klang Valley, suggesting some utility for conceptual framework were found to be reflected case study and many of the elements of the helped to enable a coherent discussion of this highlighting that local specificities cannot be infrastructure, such as rail. A number of findings likely to be required even for space-efficient the framework and also helped to refine some the Klang Valley, Malaysia. The framework ran counter to expectations to an extent These were then examined in the context of

### Policy implications

The wider study combined with the Klang Valley case study suggest a number of ways in which policy on transport and housing might take account of these findings. The key message is simply that policies in both transport and

housing for the poor can and should take better account of each other. The list below briefly highlights the most prominent of the policy implications of this message raised in the paper. First, a number of reforms are suggested that involve improved integration between transport policy, housing policy and planning. For example, transport-related guidelines and standards for residential areas can be reviewed, especially those that adversely or unreasonably affect the legality of unplanned settlements and the affordability of formal low-cost housing.

Second, reforms are needed in the transport policy realm. Transport infrastructure agencies need "best-practice" policies and practices on involuntary displacement. This would include goals to minimise resettlement (even for communities with weak tenure) that conform to international housing rights standards, with project assessment that takes full account of the range of impacts on people relocated. It could also involve reforms to the transport planning process to make it more open and welcoming of public participation, including negotiation with affected communities.

Finally, policy and practice on low-income housing require more attention to transport and access dimensions in order to reduce accessibility problems for the poor. One approach to this is to emphasise *in situ* upgrading rather than eviction/redevelopment. In the Malaysian context, however, this would represent a fundamental shift in policy towards squatters. Other reforms could focus on the location of relocation sites and transit accommodation—among other things, making sure that they are within a short distance of the original community; keeping established communities together in the relocation process; and avoiding two-step resettlement whenever possible.

### Final comments

There are various links between transport and housing security for the urban poor. A number of these were shown to be significant and are likely to be relevant in a wide range of urban

situations, especially where motorisation is sectoral approach adopted here is perhaps living in housing with weak tenure. The rapid and there are large numbers of people economy of these issues, both transport and this paper has not focused on the political provided interesting perspectives and somewhat limited but, nevertheless, has affect the prospects for the policy reforms (Gomez & Jomo, 1997). Such considerations politicians and well-connected businesses cooperation between ruling coalition economic forces, especially the close great extent, shaped by the same political and urban real estate arenas in Malaysia are, to a the housing and transport arenas. Although prompted insights of policy relevance in both research. The arguments suggest that anyone discussed and should be addressed in further approaching urban poverty, equity or transport equity debates, and transport policy could fruitfully take a more active interest in with an interest in urban poor housing issues a starting point and the beginnings of a housing security issues. This paper provides environmental issues from a transport debates more generally. Similarly, those perspective should not ignore housing and framework for further investigation

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#### **ENDNOTES**

- "Paily mobility" (to be distinguished from "residential mobility" or the ability to move house) refers to the ability to move around on a day-to-day basis. "Access" refers to the ability to reach a destination, service or good (whether or not this involves much movement). "Accessibility" is a property of a place relative to other places, and refers to how easily it can be reached physically from another place or from within a region.
- Interviews by the author were conducted with participants at the Hangzhou preparatory meeting for Habitat-5 in October 2000 and at the UN-ESCAP/CITYNET Seminar on Transport and Communications in Kuala Lumpur, November 2000, Further interviews were conducted by Chris Wilson with participants at a housing rights workshop organised by the Asian Coalition for Housing Rights (ACHR) held at the Urban Resource Centre in Karachi in November 2000. Further views were obtained by the author through email exchanges with academic, professional and activist informants.

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