

# **HANOI URBAN TRANSPORT DEVELOPMENT PROJECT**

**SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT &  
TRANSPORT PLAN/ POLICY**

---

**Anthony Mann  
SPARKLE June 22<sup>nd</sup>, 2006  
Hanoi**

# **HANOI URBAN TRANSPORT DEVELOPMENT PROJECT (HUTDP)**

## **Objective**

***To promote public transport  
development and sustainable  
urban growth in Hanoi City***

## HUTDP Proposed Objectives and Components

To assist Hanoi in implementing a sustainable strategy of city development and transport improvement with a focus on promoting public transport.

- ✓ Through establishment of high capacity **bus-way (BRT)** on major corridors
- ✓ By integrating investment in **road** infrastructure
- ✓ By Enhancing of the **institutional capacity** to implement growth strategy

**Hanoi  
Comprehensive  
Dev. Program  
(JICA)**

**Nhat Tan  
Bridge  
(JBIC)**

**Metro line  
(French)**

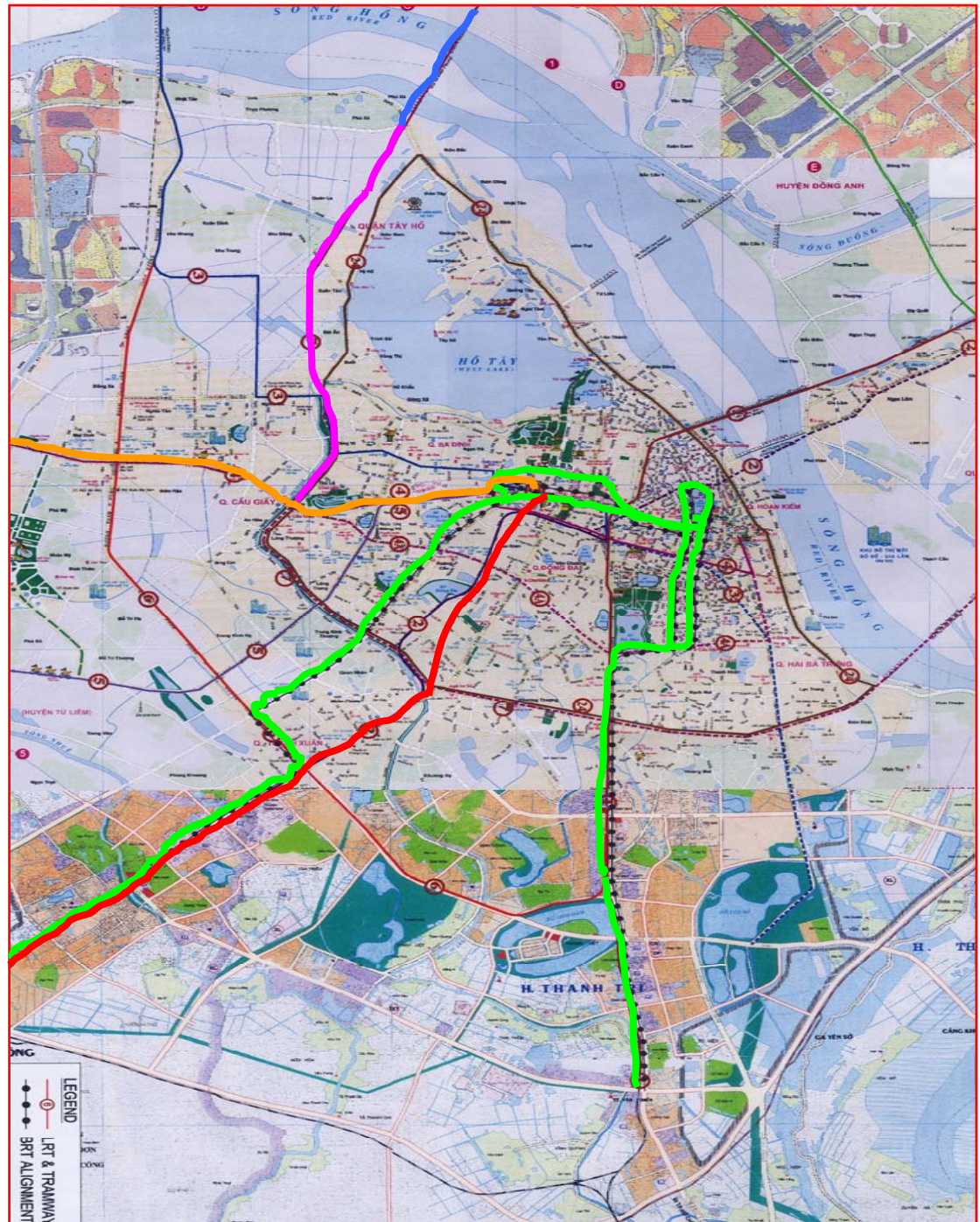
**Elevated Rail  
(Chinese)**

**Hanoi  
Traffic Safety  
(JICA)**

**HUTDP**

**Ring Road 2**

**BRT**



HANOI URBAN TRANSPORT DEVELOPMENT PROJECT (TF 053407)

---

SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT PLAN/  
POLICY

# **SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT PLAN/ POLICY**

**A TECHNICAL ASSISTANCE PROJECT GRANT FUNDED UNDER THE**

# **GLOBAL ENVIRONMENTAL FACILITY (GEF)**

## **Objectives of GEF Operational Program 11 on Climate change and sustainable transport**

- Ensure/accelerate a modal shift away from private motor vehicles to public transport (especially buses)
- Assist in developing an urban transport policy that promotes public transport
- **Assist in developing an environmentally sustainable urban development strategy that promotes integrated transport and land use planning**
- Assist in developing a strategy to encourage and sustain safer and more convenient bicycle use and pedestrian movement

---

SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT  
PLAN/ POLICY

## **KEY ISSUES**

- Present Fragmented Urban Planning System
- Ineffective Land Management & Development Control
- Plan Implementation at Local Level
- Illogical Development Sequence
- Incomplete Planning and Design Standards
- Hanoi City Regional Plan (HCRP)
- Comprehensive Urban Development Program (HAIDEP)
- Limited HPC-DAPM Staff Capacity
- Restricted Pedestrians & Bicycles movement
- Resistance to Non-motorized Public Transport

---

SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT  
PLAN/ POLICY

## **MAIN STRATEGIC COMPONENTS**

- **Reform / Reorganization of key HPC Urban Sector Institutions**
- **Reform of Planning Legislation & Regulation**
- **Training & Capacity Building for Key Urban Sector Institutions**
- **Pilot Demonstration Projects**
- **Public Information / Awareness of Environmental Issues and Public Transport Benefits**



## **PROPOSED PROGRAM OF TA PROJECT INITIATIVES**

- 1. REVIEW OF THE HANOI URBAN PLANNING SYSTEM**
- 2. REVIEW OF INSTITUTIONAL ARRANGEMENTS IN THE HANOI URBAN SECTOR**
- 3. PREPARATION OF COMPREHENSIVE LAND USE ZONING / CLASSIFICATION SYSTEM FOR HANOI**
- 4. COMPREHENSIVE REVIEW & UPDATE OF PLANNING & DESIGN STANDARDS FOR HANOI**
- 5. CAPACITY BUILDING/TRAINING OF KEY HPC URBAN SECTOR DEPARTMENTS & STAFF**
- 6. PUBLIC INFORMATION / AWARENESS CAMPAIGN**
- 7. FEASIBILITY STUDIES/DETAILED DESIGNS OF PILOT DEMONSTRATION PROJECTS**
- 8. (RED RIVER PUBLIC TRANSPORTATION FEASIBILITY STUDY)**
- 9. PREPARATION & INSTALLATION OF GIS TECHNOLOGY IN KEY HPC URBAN SECTOR DEPARTMENTS**

## INITIATIVE #1: REVIEW OF THE HANOI URBAN PLANNING SYSTEM

<b>Outputs</b>	Draft legislation supporting more comprehensive / integrated urban planning approach for Hanoi
<b>Benefits</b>	<ul style="list-style-type: none"> <li>•Basis for review and consolidation of Master Plan, Socio-economic Plan, Land Use and Sector Plans (inc. Transport)</li> <li>•Working model for review of national legislation e.g. Construction/ Land laws</li> </ul>
<b>Impact</b>	(Short term) Limited / (Medium-long term) Increasingly positive
<b>Links</b>	GEF Initiative #2 , 3 and 4
<b>Duration</b>	12 months
<b>Counterpart</b>	(main) <b>DAPM</b> / (support) HAPI,DONRE.DOC,TUPWS
<b>Cost</b>	U\$134,000 (Option #1)
<b>GOV action</b>	Response to relevant HAIDEP recommendations

SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT PLAN/  
POLICY

**INITIATIVE #2: REVIEW OF INSTITUTIONAL ARRANGEMENTS IN THE HANOI URBAN SECTOR**

<b>Outputs</b>	Internal HPC reorganization including effective coordinating mechanisms & procedures, functional & job descriptions
<b>Benefits</b>	<ul style="list-style-type: none"> <li>•Improved vertical &amp; horizontal coordination of all HPC departments &amp; staff at all levels</li> <li>•Basis for further capacity building &amp; training</li> </ul>
<b>Impact</b>	(Short term) Moderate/(Medium-long term ) Increasingly positive
<b>Links</b>	GEF Initiative #1 , 3, 4 and 5
<b>Duration</b>	12 months
<b>Counterpart</b>	(main) <b>DAPM</b> / (support) HAPI,DONRE.DOC,TUPWS
<b>Cost</b>	U\$137,000(Option #1)
<b>GOV action</b>	Response to relevant HAIDEP, HUTDP & HCCRП recommendations

SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT PLAN/  
POLICY

**INITIATIVE # 3: PREPARATION OF COMPREHENSIVE LAND USE ZONING / CLASSIFICATION SYSTEM FOR HANOI**

<b>Outputs</b>	Draft land use zoning regulations including comprehensive land use classification system
<b>Benefits</b>	<ul style="list-style-type: none"> <li>•Basis for review of Hanoi Master Plan / Land Use Plan</li> <li>•Tool for greater integration &amp; use of public transport in Hanoi</li> <li>•Model for review of relevant national legislation or plans in other urban centers</li> </ul>
<b>Impact</b>	(Short term) Moderate/(Medium-Long term Increasingly positive
<b>Links</b>	GEF Initiative #1, 2 ,4 and 7
<b>Duration</b>	12 months
<b>Counterpart</b>	(main) <b>DAPM</b> / (support) HUPI,DONRE.DOC,TUPWS
<b>Cost</b>	U\$157,000 (Option #1)
<b>GOV action</b>	Response to relevant HAIDEP recommendations

SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT PLAN/  
POLICY

**INITIATIVE # 4: COMPREHENSIVE REVIEW & UPDATE OF  
PLANNING & DESIGN STANDARDS FOR HANOI**

<b>Outputs</b>	Draft urban planning & design guidelines
<b>Benefits</b>	<ul style="list-style-type: none"> <li>•Basis for ensuring development in accordance with prevailing urban development plan &amp; planning intent</li> <li>•Basis for ensuring high quality urban environment, especially in relation to public transport &amp; pedestrian /bicycle facilities</li> </ul>
<b>Impact</b>	(Short term) Moderate/(Medium-long term) Increasingly positive
<b>Links</b>	GEF Initiative #1, 2 , 3 and 7
<b>Duration</b>	12 months
<b>Counterpart</b>	(main) <b>DAPM</b> / (support) HAPI,DONRE.DOC,TUPWS
<b>Cost</b>	U\$177,000 (Option #1)
<b>GOV action</b>	Response to relevant HAIDEP recommendations

SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT PLAN/  
POLICY

**INITIATIVE # 5: CAPACITY BUILDING & TRAINING OF KEY HPC  
URBAN SECTOR DEPARTMENTS & STAFF**

<b>Outputs</b>	Two year (Phase 1) Program including various training & capacity building initiatives for key HPC staff at all levels
<b>Benefits</b>	Increased HPC technical & administrative capability to support inter-agency coordination & improved urban planning & management, especially in relation to land use & transportation
<b>Impact</b>	(Short term) Good/(Medium-Long term) Increasingly positive
<b>Links</b>	All GEF Initiatives
<b>Duration</b>	24 months (Phase 1)
<b>Counterpart</b>	(main) <b>DAPM</b> / (support) HUPI, DONRE.DOC, TUPWS
<b>Cost</b>	U\$445,000 (Option #1)
<b>GOV action</b>	None at this stage

## INITIATIVE # 6: PUBLIC INFORMATION/AWARENESS CAMPAIGN

<b>Outputs</b>	<ul style="list-style-type: none"> <li>•Two year (Phase 1) information/awareness campaign in support of greater use of public &amp; non-motorized (NM) transport in Hanoi</li> <li>•TOR for permanent HPC marketing/Public relations manager</li> </ul>
<b>Benefits</b>	<ul style="list-style-type: none"> <li>•More knowledgeable/civic minded general public aware of increased environmental degradation caused by motor vehicles</li> <li>•Increased public willingness to use public &amp; NM transport modes</li> </ul>
<b>Impact</b>	(Short term) Limited/(Medium–long term) Good
<b>Links</b>	GEF Initiative #2 , 3 and 4
<b>Duration</b>	12 months
<b>Counterpart</b>	(main) <b>DCI</b> / (support) DAPM & TUPWS
<b>Cost</b>	U\$190,000 (Option #1)
<b>GOV action</b>	Reconfirm scope of proposed HUTDP public consultation initiative

SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT PLAN/  
POLICY

**INITIATIVE #7: FEASIBILITY STUDIES / DETAILED DESIGNS OF  
PILOT DEMONSTRATION PROJECTS**

<b>Outputs</b>	Concept plans, feasibility studies & detailed designs for areas around a range of existing/proposed public transport facilities
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• Practical demonstration of improved access to &amp; safety &amp; convenience of public transport facilities in Hanoi</li> <li>• Increased attractiveness of public transport</li> <li>• Opportunity to apply updated regulations &amp; standards</li> </ul>
<b>Impact</b>	(Short term) Good/(Long term) Increasingly positive
<b>Links</b>	GEF Initiative # 3, 4 and 5
<b>Duration</b>	18 months (Phase 1)
<b>Counterpart</b>	(main) <b>DAPM</b> / (support) HUPI, DONRE.DOC, TUPWS
<b>Cost</b>	U\$518,000 (Option #1)
<b>GOV action</b>	HPC finalization of public transport proposals for Hanoi



SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT PLAN/  
POLICY

**INITIATIVE # 8. (RED RIVER PUBLIC TRANSPORTATION  
FEASIBILITY STUDY)**

<b>Outputs</b>	Pre-feasibility study of utilizing Red River for public transport system for Hanoi
<b>Benefits</b>	Technical & financial basis upon which to develop an alternative secondary public transport system for Hanoi
<b>Impact</b>	(Short term) None / (Long term) Limited
<b>Links</b>	None
<b>Duration</b>	6 months
<b>Counterpart</b>	(main) <b>TUPWS</b> /(support) DAPM, HUPI, HCGC, DONRE, DOC, HAPI, DOI, DARD plus concerned provincial/district peoples committees
<b>Cost</b>	U\$58,000 (Option #1- but excluded from final GEF submission)
<b>GOV action</b>	Response to relevant HAIDEP recommendations. Finalization of proposed river bank improvement project currently under consideration.

## INITIATIVE # 9: PREPARATION & INSTALLATION OF GIS TECHNOLOGY IN KEY HPC URBAN SECTOR DEPARTMENTS

<b>Outputs</b>	<ul style="list-style-type: none"> <li>•Installation of GIS hard/software in DAPM,HUPI &amp; TUPWS</li> <li>•Training of key HPC staff in GIS applications</li> <li>•Ongoing program of GIS training &amp; expansion in HPC</li> </ul>
<b>Benefits</b>	Increased technical & administrative capability of HPC urban sector departments/staff, especially in relation to land use/transportation planning
<b>Impact</b>	(Short term) Good / (Long term) Increasingly positive
<b>Links</b>	GEF Initiative # 5 and 7
<b>Duration</b>	12 months (Phase 1)
<b>Counterpart</b>	(main) <b>DONRE</b> /(support) DAPM, HUPI, DONRE.DOC,TUPWS, HCGC
<b>Cost</b>	U\$269,000 (Option #1)
<b>GOV action</b>	Clarification regarding role & present status of HANOIGIS & other GIS programs

# HANOI URBAN TRANSPORT DEVELOPMENT PROJECT (TF 053407)

## SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT PLAN/ POLICY

### PROPOSED TA PROJECT INITIATIVES; IMPLEMENTATION PLAN (2007-10)

Proposed GEF Initiative Name	Year														
	2006			2007			2008			2009			2010		
Review of Hanoi Urban Planning System															
Review of Institutional Arrangements in the Hanoi Urban Sector															
Preparation of a Comprehensive Land Use Zoning Classification System for Hanoi															
Comprehensive Review & Update of Planning & Design Standards for Hanoi															
Capacity Building & Training of Key HPC Urban Sector Departments & Staff (Phase 1)															
Public Information/Awareness Campaign (Phase 1)															
Feasibility Studies & Detailed Designs Pilot Demonstration Projects (Phase 1)															
Red River Public Transportation Pre-feasibility Study															
Preparation & Installation of GIS Technology in Key HPC Urban sector Departments (Phase 1)															

HANOI URBAN TRANSPORT DEVELOPMENT PROJECT (TF 053407)

---

SUPPORT TO INTEGRATED SUSTAINABLE URBAN DEVELOPMENT & TRANSPORT PLAN/  
POLICY

**THANK YOU**