



TRANSPORT AND TRAFFIC PLANNERS (TTPI) INC.

Consultant in Transport and Traffic Planning



COMPANY PROFILE

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General Description of the Company

TTPI was established in 2003 as a Philippine consulting firm of former government officials in the field of transportation. TTPI has a pool of 40 professionals as full-time and associated experts; of which 30 are civil engineers holding at least master's degree in engineering, management, and public administration. About 12 associates and shareholders are Doctor of Philosophy/Engineering holders or PhD candidates in the field of transportation, environmental, and urban and regional planning. The main specialization of key and associated experts are in the areas of national transport policy and planning, urban and transport planning, transport administration and management, and public finance and governance. TTPI has a network of research staff drawn from members of allied professional organizations such as the Transportation Science Society of the Philippines, Philippine Institute of Civil Engineers and Road Engineering Association of the Philippines.

In recent years, TTPI has developed through its involvement in major transport projects planning and management systems, notably: (i) computer database system for the application of the JICA System for Traffic Demand Analysis (STRADA) in the Metro Manila, Metro Cebu and Davao City travel demand model (ii) Geographic Information System (GIS) models for Metro Manila, Metro Cebu and national road network. The two-stage screening and ranking system in identifying and selecting priority sub-projects for government investment, which was prepared by TTPI for JICA funded transport studies in Metro Manila, DOTC-funded Metro Cebu Development of Public Transportation Strategic Plan and ADB funded Davao Sustainable Urban Transport Project. TTPI is fully compliant with Intellectual Property Rights regulations in terms of licensing of software installed in its computer system. Its data holdings are comprised of study reports and research papers on major transport initiatives in the Philippines and Southeast Asia.

The company has a firm belief that through its services, it does not only fulfill its clients' requirements, but it also does its share in the formidable task of nation building, transportation being an essential component in the nation's socio-economic system.

In line with the above context, the company has the following services to offer:

- * Transport Planning (National, Regional, Urban)
- * Transport Policy Analysis and Formulation
- * Transport System Analysis
- * Public Transport Planning
- * Transport Demand Analysis and Forecasting
- * Transport Feasibility Analysis (Economic and Financial)
- * Traffic Impact Assessment Study and Parking Analysis
- * Traffic Management Planning
- * Transport Demand Management Planning
- * Transport Market Research and Transport and Traffic Surveys
- * Capacity Building through training courses, seminars and conferences

TTPI PRINCIPALS



DR. SENG FELIAS, JR. Chairman of the Board

- Doctor of Philosophy (Transportation)
- Master of Civil Engineering (Transportation)
- Master in Computer Science (12 units)
- Bachelor Science in Electrical Engineering
Licensed Electrical Engineer

Dr. Felias is a transport system modeling expert. He is a licensed electrical engineer and he graduated from the University of the Philippines. He took his master's degree in Civil Engineering (Transportation) at Kyushu Institute of Technology, Japan and Doctor of Philosophy (Transportation) from Science of University of Tokyo, Japan.

He has more than 20 years of experience in transport planning. His expertise involves feasibility studies, demand and revenue forecasts for expressways, rail transit demand modelling, traffic management and traffic impact assessment.

He has served as consultant to government, private sector and international institutions in numerous transport projects.



NABOR C. GAVIOLA, President and Managing Director

Cebu Institute of Technology, BSCE (CIT Scholar)
Asian Institute of Technology, Bangkok, Thailand (Master of Engineering), Shell International Petroleum Scholar
Licensed Civil Engineer (4th Placer-August 1968) and Environmental Planner

Engr. Gaviola is a transportation planning consultant. He is currently the President of Transport and Traffic Planners (TTPI) Inc.,. Prior to this, he was Vice President of SMDI Consultants Inc., also a transport consultancy firm, from 1996 to June 2003. A registered civil engineer, he obtained his Bachelor of Science in Civil Engineering (BSCE) degree from the Cebu Institute of Technology in 1968 and his Master of Engineering degree, specializing in Transportation Systems Engineering, from the Asian Institute Technology (AIT) in Bangkok, Thailand in 1974.

He was the Transportation Planning Director of the Department of Transportation and Communications (DOTC) from 1987 to 1990 and a Board Member of the Land Transportation Franchising and Regulatory Board (LTFRB) from 1990 to 1996. His professional experience in the field of transportation started in 1974 at the then Department of Public Works, Transportation and Communications and since then he has had to date more than 40 years of professional experience during which he has been extensively involved in various transportation/traffic planning and policy studies, feasibility analysis of transportation projects, regulation of public transport services, seminars as lecturer on transportation-related topics as well as university education as a special lecturer on transportation engineering and management subjects at the Polytechnic University of the Philippines (PUP).



GEORGE D. ESGUERRA, Chief Operating Officer (COO)
 University of the Philippines, BSCE (U.P. Government Scholar)
 Asian Institute of Technology, Bangkok, Thailand
 (Master in Transport Systems Planning), Royal Thai Government
 Scholar
 Licensed Civil Engineer

Engr. Esguerra is an international transportation and infrastructure systems consultant. He previously served as advisor/consultant to Pacific Consultants International-Philippine Representative Office and as Senior Transport Advisor to the Asian Development Bank. A licensed civil engineer, he completed his Master's degree in Engineering (Transportation Systems Planning) from the Asian Institute Technology (AIT) in Bangkok, Thailand and finished his B.S. Civil Engineering from the University of the Philippines. Mr. Esguerra is pursuing his PhD program on Urban and Regional Planning at the University of the Philippines.

Prior to retirement from government service, Mr. Esguerra served as the Assistant Secretary for Planning, Department of Transportation and Communications, overseeing the strategic/long-term and annual planning and budgeting of the Department, its sectoral offices and attached agencies. Mr. Esguerra worked as core team member/consultant in recent government policy and planning studies, notably: World Bank Ridership Forecast Sensitivity Analysis and Reasonability Assessment: Manila LRT 1 Extensions, LRTA Feasibility Study of the LRT Line 1 North Extension, ADB Intermodal Transport Development Project, JICA National Airport Master Plan Study, JICA Mega Manila Public Transport Study and JICA Survey on Inter-Regional Passenger and Freight Flow. He recently completed his assignment as Intermodal Transport Specialist in the AusAID-assisted National Transport Policy and Planning Project.



SAMUEL C. CUSTODIO, Vice President
 Feati University, BSCE (Licensed Civil Engineer)
 Polytechnic of Central London (now Westminster University)
 Post Graduate Diploma in Transportation Planning and Development
 (with distinction)

Mr. Custodio is an airport and port planner. Currently, he is the Vice-President of TTPI. He was the former Director for Planning of the Department of Transportation and Communications (DOTC). He graduated his post graduate diploma in Transportation Planning and Development from Westminster University in London with distinction. He took his bachelor's degree in Civil Engineering from Feati University in Manila.

Mr. Custodio has more than 30 years of project and policy planning, engineering and project management experience in transportation. Currently, he is the Assistant Project Manager for the on-going JICA Maritime Safety Capability Improvement Project (MSCIP) which supervise the construction of ten (10) Multi-Role Response Vessel (MRRV) for the Department of Transportation (DOTr) and Philippine Coast Guard (PCG). Previously, he completed various Maritime Safety Improvements Projects (installation of lighthouses, procurement of vessels for the Philippine Coast Guard, construction of Buoy Base) of the DOTC and various funding institutions, such as OECF (now JBIC), British ODA and Spanish ODA. Completed more than 20 feeder ports under the Nationwide Feeder Ports Development Program of the DOTC and OECF. As an airport planner, he served as Project Manager for Jolo, Dumaguete and San Fernando, La Union airports feasibility studies and masterplanning for the DOTC. He also served as Project Manager in other project feasibility studies, policy reviews and construction management. Served as the representative of the Philippine Government in various regional and international forums. Served as a resource person of the DOTC in congressional hearings transport policies and provides DOTC position on draft bills regarding transportation policies and programs.

On-Going Projects - 2019

Name of Projects	Description
<p>1. Traffic Impact Assessment Study for the Proposed Four (4) Storey Residential Building Along Honradez St., Brgy Olympia, Makati City Duration: Jan 2019 - Feb 2019 Client: J. Santos Construction, Inc.</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>2. Consulting Services for the Conduct of a Series of Training Workshops on Transport Demand/Traffic Analysis and Forecasting for the Sustainability of the Philippine Transport System Master Plan (PTSMP) Duration: Jan 2019 - Sep 2019 Client: National Economic and Development Authority In Joint Venture with SMDI Consultants, Inc.</p>	<p>The objectives of the consulting services are to design and conduct a series of training workshops with the end view of: (a) Strengthening the capacity of NEDA Central Office and Regional Office Personnel in the aspect of transport demand forecasting, traffic modeling, and network analysis; (b) Providing a clearer understanding of what transport demand forecasting, traffic modeling, and network analysis are and how these technical skills can be applied in the actual performance of duties and responsibilities in the respective NEDA Offices; and (c). Equipping NEDA staffs with the necessary tools and knowledge to be able to independently undertake transport demand forecasting, traffic modeling, and network analysis.</p>
<p>3. Traffic Impact Study for Gentry Manor, Seaside Blvd., Entertainment City, Paranaque Duration: Jan 2019 - Feb 2018 Client: Megaworld Corporation</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>4. Consulting Services for the Formulation of a Master Plan for the Sustainable Urban Infrastructure Development in Metropolitan Cagayan de Oro Duration: Jan 2019 - Dec 2019 Client: National Economic and Development Authority (NEDA). In Joint Venture with CPRM Consultants, Inc.</p>	<p>The objective is to formulate a master plan for the sustainable urban infrastructure development of Metropolitan CDO which will guide decision-makers in the preparation and approval of plans, policies and programs/activities /projects (PAPs) for implementation in the urban growth center, and thus ultimately improve the competitiveness, security and resiliency from disaster, and general urban conditions of the metropolitan area.</p>
<p>5. Maritime Safety Capability and Improvement Project, Phase 2 Duration: Jan 2019 - Sep 2024 Client: Department of Transportation and Philippine Coast Guard In Association with Japan Marine Science Inc and PADECO Ltd.</p>	<p>Transport and Traffic Planners (TTPI) Inc. seconded experts to the lead firm of Japan Marine Science (JMS) and PADECO Co. Ltd Joint Venture (JV). Also, TTPI is responsible for providing project administration services for the Project at the Project Office in Manila.</p>

Completed Projects - 2018

Name of Projects	Description
<p>1. Traffic Impact Assessment Study for MRB Sta. Rosa, Laguna Duration: Jan 2018 - Feb 2018 Client: Equus Property Ventures Inc.</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>2. Preparatory Survey (supplementary) and Detailed Design Study of the North – South Commuter Railway Project (Malolos – Clark) & (Solis – Calamba) in the Republic of the Philippines Duration: Jan 2018 - Mar 2018 Client: Oriental Consultants Global Co. Ltd for JICA</p>	<p>The survey aims to determine the trips over the PNR crossings and to evaluate the impact of the at-grade railway on the road traffic. In order to obtain those data, the traffic count and vehicle occupancy surveys are conducted at the PNR crossings.</p>
<p>3. Three Airports Air Traffic Demand and Technical Study (Iloilo, Puerto Princesa & Cagayan de Oro) Duration: Jan 2018 - April 2018 Client: Professional Management and Consulting Services (PMAC)</p>	<p>The objective of the technical study is to determine the passenger demand of the four airports such Iloilo, Puerto Princesa and Cagayan de Oro.</p>
<p>4. Consulting Services for the Conduct of Impact Evaluation of the Rural Road Network Development Project (RRNDP) under the Monitoring and Evaluation (M&E) Fund Duration: Jan 2018 - Jan 2019 Client: National Economic and Development Authority (NEDA). In Joint Venture with CPRM Consultants, Inc.</p>	<p>The RRNDP, implemented by DPWH, aimed to achieve a safe and efficient regional road network through the improvement of the quality of national secondary roads and other structures of strategic importance, thereby ensuring the following: (1) promotion and sustainability of regional industries and agricultural activities especially in the rural areas; (2) provision of better transportation facilities for efficient movement of agricultural and industrial commodities as well as people and services; (3) improvement of living standards in rural areas and lessening of disparities between localities; and, (4) generation of greater opportunities for employment in the rural areas.</p> <p>The objectives of the study are:</p> <ol style="list-style-type: none"> 1. assess current conditions of roads and bridges, and identify actual benefits derived compared with planned/ targeted benefits; 2. design a standard impact evaluation methodology for rural road projects and apply it to RRNDP; 3. Measure the Project's impact; 4. identify other indirect impacts of the Project (e.g. environmental impact; activity and mobility of the populace (trends in migration) within the confluence areas); 5. recommend policies, strategies approaches on effective modalities to improve implementation of rural road projects; and, then recommend actions for sustaining project benefits (general O&M, reconstruction/ rehabilitation, or expansion); and, 6. facilitate knowledge transfer to NEDA-MES personnel on the design and conduct of impact evaluation for continued capacity development.
<p>5. Consultancy Services for the Conduct of Local Public Transportation Route Planning and Management Course Duration: Jan 2018 - Nov 2018 Client: Land Transportation Franchising and Regulatory Board (LTFRB) In Joint Venture with UP-PLANADES</p>	<p>The Public Utility Vehicle Modernization Program (PUV-MP) of the Department of Transportation (DOTr) which seeks to provide a long-term solution for the problems related to road-based public transport services in the country involves ten (10) basic components. One such component is Local Public Transport Planning (LPTP). Under this component, each Local Government Unit (LGU) shall prepare and submit a Local Public Transport Route Plan (LPTRP) pursuant to the Omnibus Guidelines on the Planning and Identification of Public Road Transportation Services and Franchise Issuance or the Omnibus Franchising Guideline (OFG) of the DOTr. This move considers the fact that the LGUs have first-hand knowledge on the public transport situation, the needs of the people and local transport problems in their respective localities.</p>

Name of Projects	Description
	<p>In view of the above, it is imperative that the LGUs themselves be equipped with basic knowledge on how to plan their respective local public transport services to serve public transport demand in a more efficient manner. To achieve this, a Local Public Transport Route Planning and Management (LPTRPM) Course project shall be conducted for the various LGUs in the country. The main activity of this project is basically the conduct of a capacity building program for LGUs, called the Local Public Transport Route Planning and Management (LPTRPM) course.</p>
<p>6. LRT Line 6 Alternative Section Alignments Ridership Study Duration: Mar 2018 - May 2018 Client: Professional Management and Consulting Services (PMACS)</p>	<p>The study aims to forecast a ridership of an alternative section of LRT Line 6 from: (a) Section 1: Dr. Santos Ave to San Nicolas (10.4 km, 8 stations) and Section 2 (Original San Nicolas to Governors Drive); (b) Section 1: Dr. Santos to Niog (original LRT 1 Cavite Extension Phase 2 and Section 2 (original San Nicolas to Governors Drive); and (c) Proposed Dr. Santos Sucat LRT Line (6.8 km, 6 stations). Provide forecast performance parameters for economic and financial analyses by PMACs experts. Identify risk factors associated with ridership study assumptions and procedures in the forecasting process.</p>
<p>7. Traffic Forecasts for the Preliminary Detailed Engineering and Evaluation of Improvement Along Intersections of National Primary Roads in Cebu City, Including the Cities of Talisay, Mandaue and Lapulapu Duration: Mar 2018 - June 2018 Client: DEMCOR-CEDCO JV for DPWH</p>	<p>The objectives of the study are: (a) review / analyze the results of the 2018 traffic surveys undertaken by DEMCOR-CEDCO JV using Transmodeler Traffic Analysis software; (b) Perform strategic-level traffic assignment using updated Metro Cebu Transport Model for forecast flows on major corridors; (c) Undertake detailed traffic analysis on the forecast flows using Transmodeler software with detailed inputs on commercial development projects/trends from the DEMCOR / CEDCO land use planner, traffic engineer, and other Study Team specialist.; and (d) Prepare preliminary traffic forecasts, and revised forecasts considering intersection improvement options such as overpass, underpass, widening, etc.</p>
<p>8. Sangley Airport Road Traffic Study Duration: Apr 2018 - July 2018 Client: CAVITEX Holdings, Inc.</p>	<p>Transport and Traffic Planners (TTPI) Inc. was commissioned as Consultant for the conduct of a traffic study to determine airport-related traffic impacts on the road network of Cavite and vital links to Metro Manila</p>
<p>9. Traffic Impact Assessment Study for the Proposed Mixed-use Development Along Arroceros, Manila Duration: May 2018 - Jun 2018 Client: JBROS Construction Corp.</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>10. Traffic Impact Assessment Study for the Proposed 25-Storey Bldg. Along Dos Castillas, Sampaloc, Manila Duration: May 2018 - Jun 2018 Client: R.M. Cabanela Construction Management Corp.</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>11. Traffic Impact Assessment Study for the Proposed One Infinite Group Five (5)-Storey Bldg. Along Pasig Boulevard, Pasig City Duration: Jun 2018 - July 2018 Client: Mundo Builders, Inc.</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>12. Traffic Impact Assessment Study for the Proposed Harton Corporate Center Block 2 Lot 5, ASEANA City, Paranaque Duration: Jul 2018 - Aug 2018 Client: R.M. Cabanela Construction Management Corp.</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>13. Traffic Impact Assessment Study for the Proposed Petron Gas Station Ortigas Avenue Extension Brgy., Malinta, Antipolo City</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>

Name of Projects	Description
Duration: Jul 2018 - Aug 2018 Client: Petron Corporation	
14. C-6/Skyway Stage 4 Traffic Study Duration: Jun 2018 - Sep 2018 Client: San Miguel Corporation	The main objective of the study is to forecast the volume of vehicles that will be using the proposed expressway.
15. SLEX Toll Road 4 (TR4) Traffic Study Duration: Jun 2018 - Sep 2018 Client: San Miguel Corporation	The main objective of the study is to forecast the volume of vehicles that will be using the proposed expressway.
16. MRT 7 Station Options Ridership Study Duration: Jun 2018 - Sep 2018 Client: San Miguel Corporation	The main objective of the study is to forecast the volume of passengers that will be using the LRT common station.
17. New Panglao Airport Demand Study Duration: Jul 2018 - Oct 2018 Client: Professional Management and Consulting Services (PMACS)	The main objective of the study is to forecast the volume of passengers that will be using the New Panglao International Airport.
18. Traffic Count and Passenger Load Count Surveys on Three (3) Sites Along Buendia Avenue for the Proposed Monorail Project Duration: Jul 2018 - Aug 2018 Client: HFOX Associates	The objective of the surveys is to determine the actual vehicle and passenger volume passing along the three sections in Buendia Avenue, Makati City.
19. Traffic Impact Assessment Study for the Proposed MDC-101 PORTA VAGA Molino Road, Bacoor City, Cavite Duration: Jul 2018 - Aug 2018 Client: R.M. Cabanela Construction Management Corp.	The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.
20. Traffic Impact Assessment Study for the Proposed 11-Storey Mixed-Use Building with Penthouse, P. Sanchez corner 3rd Street, Sta. Mesa, Manila Duration: Aug 2018 - Sep 2018 Client: R.M. Cabanela Construction Management Corp.	The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.
21. Traffic Impact Assessment Study for the Proposed Petron Gas Station along Sumulong Memorial Circle corner Lawis St., Brgy. San Isidro, Antipolo City Duration: Aug 2018 - Sep 2018 Client: Petron Corporation	The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.
22. Traffic Impact Assessment Study for the Proposed Petron Gas Station Paguntalan Property, Sumulong Highway, Brgy. Dela Paz, Antipolo City Duration: Sep 2018 - Oct 2018 Client: Petron Corporation	The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.
23. Traffic Impact Assessment Study for the Proposed Sinocan Office Building ASEANA City, Paranaque Duration: Sep 2018 - Oct 2018 Client: R.M. Cabanela Construction Management Corp.	The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.
24. Traffic Impact Assessment Study for the Proposed 45-Storey Primex Tower EDSA corner Connecticut St., Greenhills, San Juan City Duration: Sep 2018 - Oct 2018	The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.



Name of Projects	Description
Client: R.M. Cabanela Construction Management Corp	
25. Traffic Impact Assessment Study for the Proposed Petron Gas Station P. Oliveros Street corner Gen. Luna Street, Antipolo City Duration: Oct 2018 - Nov 2018 Client: Petron Corporation	The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.

Completed Projects - 2017

Name of Projects	Description
<p>1. Traffic Impact Assessment Study for the Proposed Petron Gas Station along Metropolitan Avenue and Kamagong St, Makati City Duration: Jan 2017 - Feb 2017 Client: Petron Corp.</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>2. Traffic Impact Assessment Study for the Proposed Petron Gas Station along P. Ocampo Sr. Avenue and Zapote St, Makati City Duration: Jan 2017 - Feb 2017 Client: Petron Corp.</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>3. Preliminary Transportation Planning for Pampanga Province Duration: Feb 2017 - Apr 2017 Client: Palafox Associates</p>	<p>The study aims to formulate a preliminary transportation system plan for Pampanga province with due consideration on the proposed development projects for the province.</p>
<p>4. LRT/MRT Common Station Ridership Study Duration: Feb 2017 - April 2017 Client: SMC Mass Transit 7, Inc.</p>	<p>The objective of the study is to assess the current corridor traffic and future MRT 7 common station passenger flows.</p>
<p>5. Traffic Impact Study for a 42-Hectare Manila Bay Development Property Along Coastal Road in Paranaque City Duration: Feb 2017 - Apr 2017 Client: ENVIRONS Systems Group, Inc.</p>	<p>The study area is situated in a 42-hectare property owned by Manila Bay Development Corporation (MBDC) along Coastal Road in Paranaque City. The objectives are: to assess the present and future traffic impact of the proposed developments within the proposed 42-hectare MBDC estate on the internal and external road network; assess the impact of the "shifted" LRT 1 extension station on the proposed developments; evaluate the proposed internal road system of the proposed MBDC development in terms of capacities to accommodate present and future traffic volumes; establish appropriate ingress/egress paths between external main access paths and the proposed development; and explore the possibility of mitigating or overcoming the access limitations posed by the NAIA Expressway project.</p>
<p>6. Pre-Feasibility Study of the Ciudad De Victoria North Integrated Terminal Project (Phase 2 - Interchange Design, Project Evaluation and Pre-Fs Report Documentation Duration: Mar 2017 - May 2017 Client: Ciudad de Victoria Consortium (CDV)</p>	<p>The Ciudad de Victoria Consortium (CDV) commissioned Transport and Traffic Planners (TTPI) Inc. to conduct a Pre-Feasibility Study of the CDV North Integrated Terminal (NIT) Project in line with Government current plans to build three major integrated bus terminals that will serve bus routes north and south of Metro Manila. These terminals are envisioned to rationalize provincial bus routes to help decongest Metro Manila. The CDV NIT will be proposed as the north terminal alternative. The Feasibility Study is to be done in two Phases. Phase 1 looks at current north provincial bus operations in order to not only estimate the bus and passenger demand that the terminal must be able to service but also come up with a conceptual terminal design that can deliver the service efficiently. Phase 2 will look at the details of the CDV-NIT management structure, conduct initial environment assessment, conduct financial and economic evaluation, and detail the implementation arrangements that will ensure efficient and viable operations of the terminal.</p>
<p>7. Traffic Count and Roadside OD Interview Surveys for the Davao City Infrastructure Development Plan and Capacity Building Project Duration: Mar 2017 - May 2017 Client: Almec Corporation</p>	<p>The objectives of the survey are: to develop an urban infrastructure development plan for Davao City with a priority project list, which will ultimately improve the city's competitiveness, safety from disasters, and general urban conditions of Davao City and to support the planning and implementation of infrastructure development effectively and efficiently through the capacity enhancement of NEDA and the City Government of Davao.</p>

Name of Projects	Description
<p>8. Household Interview Survey and Public Transport Passenger Interview Survey for the Davao City Infrastructure Development Plan and Capacity Building Project Duration: Mar 2017 - May 2017 Client: Almec Corporation</p>	<p>The objectives of the survey are: to develop an urban infrastructure development plan for Davao City with a priority project list, which will ultimately improve the city's competitiveness, safety from disasters, and general urban conditions of Davao City and to support the planning and implementation of infrastructure development effectively and efficiently through the capacity enhancement of NEDA and the City Government of Davao.</p>
<p>9. Alegria Resort and Residences TIA Duration: Mar 2017 - Apr 2017 Client: Rocka Group of Companies</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>10. LRT Line 6 Ridership Study Duration: Mar 2017 - May 2017 Client: Professional Management and Consulting Services</p>	<p>The objective of the study is to assess the current corridor traffic and future passenger demand.</p>
<p>11. Cordon Line Surveys for the Follow-Up Survey on Roadmap for Transport Infrastructure Development for Metro Manila and Its Surrounding Areas Duration: May 2017 - July 2017 Client: Almec Corporation for JICA</p>	<p>These surveys aim to determine the trips to/from the survey area made by residents living outside the survey area and to calibrate the distributed traffic volume obtained from existing database. In order to obtain such data/information, roadside origin–destination (OD) interview survey, traffic count survey, and vehicle occupancy survey are conducted on the boundaries of the survey area.</p>
<p>12. Traffic Impact Assessment Study for the Proposed Petron Gas Station along National Highway, Brgy. Bagong Kalsada, Calamba City Duration: July 2017 - Sep 2017 Client: Petron Corporation</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>Philippine Transportation System Master Plan (PTSMP) Duration: Aug 2017 - Aug 2018 Client: National Economic and Development Authority In Joint Venture with Test Consultants and Philkoei International, Inc</p>	<p>The study aims to come up with a master plan, formulated based on a detailed assessment of the existing national transport network and the results of a comprehensive analysis of the gaps therein, to:</p> <ol style="list-style-type: none"> a. Guide the rational development of an intermodal transport network in the country through coordinated planning and operation of projects and programs as an integrated network of intermodal sub-systems; and b. Promote sub-regional economic cooperation/agglomeration, such as, but not limited to, connectivity with Southeast Asian Nations (ASEAN) and Brunei Darussalam-Indonesia-Malaysia-Philippines East ASEAN Growth Area (BIMP-EAGA), and utilization of multimodal transport system for more efficient connectivity between industrial/production areas, major cities, and rural areas in line with the Government's direction to decentralize development away from highly urbanized cities and metropolis. <p>The study also aims to enhance the capacity of NEDA and other concerned agencies/institutions on the various transport planning tools and techniques, especially those employing new technology, through training workshops.</p>
<p>14. Traffic Study for the Proposed 2-Hectare Mixed Use Development along A. Bonifacio Avenue near Balintawak Cloverleaf, Quezon City Duration: Jul 2017 - Sep 2017 Client: State Properties Corporation</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>15. Screen Line Survey for the Master Plan Study and Institutional Development on Urban Transport System in Metro Cebu Duration: Aug 2017 - Oct 2017 Client: Almec Corporation for JICA</p>	<p>The Screen Line Survey aims to provide vehicular and passenger traffic information to calibrate the current distributed traffic volume obtained from the HIS. In order to obtain the required data, two surveys, namely the traffic count survey and the vehicle occupancy survey, are conducted at road sections crossing the screen lines in the Study area.</p>

Name of Projects	Description
16. Cordon Line Survey for the Master Plan Study and Institutional Development on Urban Transport System in Metro Cebu Duration: Aug 2017 - Oct 2017 Client: Almec Corporation for JICA	The Cordon Line Survey aims to determine the trips to/from the survey area made by residents living outside the survey area and to calibrate the distributed traffic volume obtained from another survey (i.e., Household Interview Survey; HIS). In order to obtain such data/information, roadside origin–destination (OD) interview survey, traffic count survey, and vehicle occupancy survey are conducted on the boundaries of the survey area.
17. Traffic Impact Assessment Study for the Proposed Maple Grove Development Duration: Aug 2017 - Dec 2017 Client: Megaworld Corporation	The proposed Maple Grove Development is a 140-hectare property located along Centennial Road in General Trias, Cavite. The objectives of the study are: to determine future traffic conditions of the study area based on the proposed land use developments; to evaluate the sufficiency of the road network capacity of the study area in relation to future traffic volumes based on the masterplan phasing developments scenario and determine corresponding potential traffic problems; and to prepare a traffic management plan to ensure an efficient and safe traffic flow and a responsive traffic management system in the study area.
18. Public Transport Terminal Survey for the Master Plan Study and Institutional Development on Urban Transport System in Metro Cebu Duration: Oct 2017 - Nov 2017 Client: Almec Corporation for JICA	The Public Transport Terminal Survey aims to survey the frequency of PUJ and bus service and abstract of the terminals including location, operation system and operation hours.
19. LRT Line 1 and Airport Surveys Duration: Nov 2017 - Jan 2018 Client: HFox Associates for Light Rail Manila Corporation	TTPI was commissioned by HFox and Associates to undertake actual Vehicle Count (VC) Passenger Load Count (PLC), Rail & Airport Passenger OD Interview for the traffic demand forecast for the LRT Line 1 Extension to NAIA.

Completed Projects - 2016

Name of Projects	Description
<p>1. Traffic Impact Assessment Study For The Proposed for the Project Salt (Salinas Drive, Lahug, Cebu City) Duration: January 2016 - March 2016 Client: Arthaland Corp.</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>2. Traffic and Public Transport Study for the ASEANA Business Park Project Duration: Feb 2016 - April 2016 Client: ASEANA Holdings, Inc.</p>	<p>The objectives of the study are : to determine the adequacy of the planned road geometric characteristics and projected traffic conditions related to the major roads within the study area, considering volume generated by the various developments at the Boulevard 2000; to prepare a traffic management plan to ensure an efficient and safe traffic flow and a responsive traffic management system in the study area; and to prepare a public transport route network inside the study area to, include locations of facilities for picking and dropping of passengers.</p>
<p>3. Traffic Impact Assessment Study For The Ciudad De Cebu Property Duration: Feb 2016 - Apr 2016 Client: Filinvest Cyberparks Inc. (FCI)</p>	<p>The scope of services provided by TTPI for the study are: (a) conduct of road traffic surveys; (b) analysis of current traffic performance; (c) forecast of future vehicle traffic; (d) Internal traffic circulation; (e) analysis of future road traffic performance; (f) evaluation of traffic Impacts; and (g) development of traffic Impact mitigation measures.</p>
<p>4. C-6/Skyway Stage 4, Phase 1 Traffic Study and Forecast Duration: Mar 2016 - May 2016 Client: San Miguel Corp – Infra Group</p>	<p>The main objective of this study is to forecast vehicular traffic volume on the Project Road once it is opened and assess its impact on affected peripheral links of the existing road network particularly the SLEX/Skyway and NAlA Expressway.</p>
<p>5. Traffic Impact Assessment Study for the Proposed Corinthian Hills Mansion Parade, Temple Drive, Quezon City Duration: Mar 2016 - May 2016 Client: Megaworld Corporation.</p>	<p>The TIA objectives are: (a) evaluate the existing traffic performance conditions for selected roads and intersections covered by this assessment; (b) estimate the future traffic generation of the proposed development; (c) evaluate the impact of the future traffic generation by the proposed development on the roads and intersections covered by this assessment; and, (d) to propose measures to mitigate and/or manage the traffic impact brought about by the proposed development.</p>
<p>6. Traffic Impact Assessment Study For The Proposed Southeast Asian Campus Campus Avenue, Mckinley Hill, Taguig Duration: Apr 2016 - June 2016 Client: Megaworld Corporation</p>	<p>The TIA objectives are: a) evaluate the existing traffic performance conditions for selected roads and intersections covered by this assessment; b) estimate the future traffic generation of the proposed development; c) evaluate the impact of the future traffic generation by the proposed development on the roads and intersections covered by this assessment; and, d) to propose measures to mitigate and/or manage the traffic impact brought about by the proposed development.</p>
<p>7. Skyway-NLEX Connector Road Traffic Study Duration: Apr 2016 - June 2016 Client: San Miguel Corp – Infra Group</p>	<p>The scope of work for the traffic study are: a) review of project-related documents on project features, particularly the proposed alignment, tollway entry/exit, approved toll rates (MPIC and SMC portions) and other specifications based on the DPWH approvals; b) analyze existing road traffic condition within the connector road direct influence area (study area) using available DPWH/MMDA count data (if any), tollway operators' statistics, and relevant TTPI survey results; c) conduct supplemental transport and traffic surveys; d) determine future Connector Road Project vehicle volumes by vehicle class, by road section, and by direction based on approved toll rates and agreed range values; e) estimate impact of the Connector Road Project on existing tollways, specifically the Skyway Stage 3 Project; and f) Identify risks associated with assumptions and procedures in the forecasting process.</p>

Name of Projects	Description
<p>8. Traffic Impact Assessment Study for the Proposed Commercial Development In Carmel Town, Canlubang, Calamba, Laguna Duration: May 2016 - June 2016 Client: San Ramon Holdings, Inc.</p>	<p>The TIA objectives are: a) evaluate the existing traffic performance conditions for selected roads and intersections covered by this assessment; b) estimate the future traffic generation of the proposed development; c) evaluate the impact of the future traffic generation by the proposed development on the roads and intersections covered by this assessment; and, d) to propose measures to mitigate and/or manage the traffic impact brought about by the proposed development.</p>
<p>9. Consultancy Services For The Institutional Study Of Data For Road Incident Visualization, Evaluation, And Reporting System (DRIVERS) Duration: June 2016 - September 2016 Lead Firm: UP-PLANADES Client: Road Board</p>	<p>The overall goal of DRIVERS is to provide a centralized platform to support gathering, reporting, and analysis of traffic incidents across the Philippines.</p>
<p>10. Traffic Impact Assessment Study for the Proposed Jollibee Tower Duration: May 2016 - June 2016 Client: Monolith Construction & Development Corporation</p>	<p>The TIA objectives are: a) evaluate the existing traffic performance conditions for selected roads and intersections covered by this assessment; b) estimate the future traffic generation of the proposed development; c) evaluate the impact of the future traffic generation by the proposed development on the roads and intersections covered by this assessment; and, d) to propose measures to mitigate and/or manage the traffic impact brought about by the proposed development.</p>
<p>11. NAIA Expressway Extension to C-5 Preliminary Traffic Study and Forecast Duration: June 2016 - Aug 2016 Client: San Miguel Holdings Corp.</p>	<p>The study aims to determine the model parameters such as alignment, location of interchanges, how on/off ramps interface with the existing/planned road network, forecast horizon years, toll regime and toll rates.</p>
<p>12. Traffic Impact Analysis and Traffic Management Plan for the Iloilo Business Park Development Duration: June 13, 2016 - Aug 3, 2016 Client: Megaworld Corporation</p>	<p>Iloilo Business Park (IBP) is a 72-hectare mixed-use master-planned community development by Megaworld Corporation in Mandurriao, Iloilo City. It is located on the property of the former Iloilo Airport which the corporation acquired for 1.2 billion pesos from the National Government. It is an integrated township project that will feature a commercial district, a lifestyle mall, office buildings catering to business process outsourcing firms, boutique and deluxe hotels, and a convention center. The objectives of the study are: (a) to determine the adequacy of the planned road geometric characteristics and projected traffic conditions related to the major roads within the study area, considering volume generated by the various developments; (b) to determine future traffic conditions of the study area based on the proposed land use developments. This will be based on the future development plan for the Iloilo Business Park; (c) to evaluate the sufficiency of the road network capacity of the study area in relation to future traffic volumes based on the business park phasing developments scenario and determine corresponding potential traffic problems; and (d) to prepare a traffic management plan to ensure an efficient and safe traffic flow and a responsive traffic management system in the study area.</p>
<p>13. ETON Centris Traffic Study-Masterplan Duration: July 29, 2016 - Sep 16, 2016 Client: ETON Properties, Philippines, Inc.</p>	<p>Eton Centris is located at the intersection of EDSA and Quezon Avenue in Quezon City. It is a major component of the Quezon City Triangle Park business District. It covers an area of 12 hectares. The objectives of the study are: (a) to study the existing road characteristics; (b) to assess and propose site traffic management/control; (c) to determine optimum number of Public Utility Vehicles; (d) to propose traffic circulation and define ingress/egress from external roads; (e) to project number of vehicles entering the site and (f) to study the different modes of transport and potential increase upon full development.</p>

Name of Projects	Description
14. Traffic Impact Assessment Study for the Proposed ETON Emerald-Ruby Property Duration: Aug 24, 2016 - Nov 24, 2016 Client: ETON Properties, Philippines, Inc.	The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.
15. Traffic Impact Assessment Study for the Proposed Robinsons Place Starmills Expansion Duration: Sep 2016 - Oct. 2016 Client: Robinsons Land Corp.	The development is situated along Jose Abad Santos Avenue (JASA) near the San Fernando Exit of North Luzon Expressway (NLEX), San Fernando City, Pampanga. The objectives of the Study are: to establish the overall future traffic demand and requirements of the project area according to its phase development; to determine the impact of forecasted traffic onto the external/internal road network system; to assess the proposed geometric road network system design and layout plan, in accordance with results/findings of the traffic analysis; and to recommend the optimum traffic circulation scheme suitable for the project site in relation to the land/facility use characteristics.
16. Traffic Study for the Greenfield Sta. Rosa Business Park 2 Duration: Sep 2016 - Dec 2016 Client: Greenfield Development Corp	Greenfield Sta. Rosa Business Park 2 It's about 350 meters away from the Sta. Rosa-Tagaytay Road and its park-like environment sets it apart from other business centers. The property is an 11-hectare development and the future home of corporate establishments. The objectives of the study are: to determine the adequacy of the planned road geometric characteristics and projected traffic conditions related to the major roads within the study area; to determine future traffic conditions of the study area based on the proposed land use developments; to evaluate the road network capacity of the study area in relation to future traffic volumes and corresponding potential traffic problems; and to prepare a traffic management plan to ensure an efficient and safe traffic flow and a responsive traffic management system in the study area.
17. Traffic Impact Assessment Study for the Proposed Petron Gas Station along Zobel Roxas Corner Dian St., Makati City Duration: Oct 2016 - Nov 2016 Client: Petron Corp.	The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.
18. Traffic Impact Analysis and Traffic Management Plan for the Clark-Mimosa Masterplan Duration: Nov 2016 – Dec 2016 Client: Filinvest-Mimosa, Inc.	The Clark-Mimosa is a 202-hectare property located inside the Clark Freeport Zone. The proposed development is bounded by Claro M. Recto Highway on the north, Manuel A. Roxas on the east and Jose Abad Santos Avenue on the southwest. The estate has around 50 hectares of land that can be developed into a mix-used development. The objectives of the study are: to determine future traffic conditions of the study area based on the proposed land use developments; to evaluate the sufficiency of the road network capacity of the study area in relation to future traffic volumes based on the masterplan phasing developments scenario and determine corresponding potential traffic problems; and to prepare a traffic management plan to ensure an efficient and safe traffic flow and a responsive traffic management system in the study area.
19. Pre-Feasibility Study of the Ciudad De Victoria North Integrated Terminal Project (Phase 1 -Project Planning and Conceptual Design) Duration: Nov 2016 Feb 2017 Client: Ciudad de Victoria Consortium (CDV)	The Ciudad de Victoria Consortium (CDV) commissioned Transport and Traffic Planners (TTPI) Inc. to conduct a Feasibility Study of the CDV North Integrated Terminal (NIT) Project in line with Government current plans to build three major integrated bus terminals that will serve bus routes north and south of Metro Manila. These terminals are envisioned to rationalize provincial bus routes to help decongest Metro Manila. The CDV NIT will be proposed as the north terminal alternative. The Feasibility Study is be done in two Phases. Phase 1 looks at current north provincial bus operations in order to not only estimate the bus and passenger demand that the terminal must be able to service but also come up with a conceptual terminal design that can

Name of Projects	Description
	<p>deliver the service efficiently. Phase 2 will look at the details of the CDV-NIT management structure, conduct initial environment assessment, conduct financial and economic evaluation, and detail the implementation arrangements that will ensure efficient and viable operations of the terminal. This Report details the tasks and the results of analyses undertaken in Phase 1 of the Feasibility study.</p>
<p>20. Traffic Due Diligence Study for Lot 2163-C and Lot 2163-D along Rosario Limketkai Avenue, Cagayan De Oro City Duration: Oct 2016 - Nov 2016 Client: Church of Jesus Christ of Latter-day Saints in the Philippines, Inc.</p>	<p>Transport and Traffic Planners, Inc. (TTPI) has prepared this report in connection with the traffic due diligence study for Lot 2163-c and lot 2163-d along Rosario Limketkai Avenue, Cagayan de Oro City. The study made forecasts of normal traffic increase as well as generated traffic due to the additional development being proposed. Analysis has been made on the internal roads' capacity to accommodate future traffic volumes. The present and future conditions of roads surrounding the site have been analyzed.</p>
<p>21. Traffic Impact Study for the Proposed My Town Residential Development in Makati City Duration: Dec 2016 - Jan 2017 Client: Philippines Urban Living Solutions</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed My Town residential development in the boundary of Bonifacio Global City and Makati City and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>

Completed Projects - 2015

Name of Projects	Description
<p>1. Menarco Tower Bonifacio Global City Traffic Impact Assessment Study Duration: January 2015 - March 2015 Client: Datem Inc.</p>	<p>The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.</p>
<p>2. Study on the Viability of Deploying DOST Developed Mass Transportation Technologies in Baguio City and La Trinidad Duration: Feb 2015 - August 2015 Client: DOST- Metals Industry Research and Development Center (MIRDC)</p>	<p>The main objective of the study is to determine the viability of operating the Automatic Guideway Transit (AGT) system along the Baguio City Central Business District and Baguio-La Trinidad. The specific objectives are:</p> <ol style="list-style-type: none"> Conduct a rapid assessment of passenger demand on proposed corridors and determine current levels of public transport supply. Determine environmental benefits of the AGT system. Identify stakeholder groups and determine political impacts of the AGT System on them. Perform preliminary institutional analysis of the AGT system. Assess potential financial and economic benefits and costs of the AGT system.
<p>3. Construction Supervision Consultant for the Maritime Safety Capability Improvement Project for the Philippine Coast Guard Lead Firm: JMS-PADECO JV Duration: January 2015 - July 2018 Client: Department of Transportation and Communications (DOTC)</p>	<p>Transport and Traffic Planners (TTPI) Inc. seconded experts to the lead firm of Japan Marine Science (JMS) and PADECO Co. Ltd Joint Venture (JV). Also, TTPI is responsible for providing project administration services for the Project at the Project Office in Manila.</p>
<p>4. Parking Requirements, Bus and Passenger Volume Forecast for the Proposed South Integrated Transport System (ITS) Project Duration: Mar 2015 - May 2015 Client: Filinvest Land Inc.</p>	<p>The ITS Project aims to maximize road usage by reducing vehicle volume and improving traffic flow along Metro Manila's major thoroughfares, particularly Epifanio de los Santos Avenue ("EDSA"). The ITS Project aims to provide for the establishment of integrated transport terminals to provide effective interconnections between different transport modes and services thereby ensuring efficient and seamless travel for the commuting public.</p> <p>Through the above context, the Filinvest Land, Inc. a property development conglomerate intends to participate in the solicited tender to establish the Philippine Government-envisaged South Luzon Expressway (SLEX) intermodal transport terminal at the FTI complex under a partnership agreement with the government.</p> <p>In this regard, Filinvest Land Inc. hired the services of TTPI to determine the sufficiency of entrance and exit gates as well as the internal roads where the buses and other vehicles will pass through.</p>
<p>5. Traffic Impact Assessment and Recommended Mitigation Measures for Wells Fargo Development in Metro Manila Duration: Mar 2015 - Apr 2015 Client: Wells Fargo Enterprise Global Services, LLC Philippines.</p>	<p>This traffic impact assessment study is expected to achieve the following objectives:</p> <ol style="list-style-type: none"> Evaluate the existing traffic performance conditions of selected roads covered by this assessment; Estimate the future traffic generation of the study area; Evaluate the impact of the future traffic generation by the proposed land use developments on the roads covered by this assessment; To propose measures to mitigate current and possible traffic problems brought about by the proposed land use developments; To compare the alternative development sites and determines the most favorable site from the point of view of transportation and traffic concerns.

Name of Projects	Description
6. Traffic Impact Study for the Proposed Hotel 101 Fort in Taguig City Duration: June 2015 - July 2015 Client: Hotel of Asia Inc.	The objective of the study is to prepare a traffic impact assessment of the proposed development and recommend traffic improvement measures as part of the LGU requirements for locational clearance.
7. Traffic Impact Assessment Study for the Iloilo-Guimaras Ferry Terminal Duration: July 2015 - August 2015 Client: Hotel of Asia Inc.	<p>The Project focuses on the development of the Parola area into a ferry terminal with various commercial, recreational and other establishments. The development will compose of a world-class ferry terminal, commercial establishments, transport and public spaces, and other amenities. This will provide a more efficient service and better security to the riding public, while helping the public sector fulfill its responsibility in providing for an effective transportation network.</p> <p>In this context, Hotel Asia, Inc. commissioned TTPI to prepare a traffic impact assessment study for the said development to evaluate the existing traffic performance conditions of selected roads and intersections within the vicinity of the project site; to evaluate the impact of the future traffic generation by the proposed development on the roads and intersections covered by this assessment and to mitigate and/or manage the traffic impact brought about by the proposed development</p>
8. Feasibility Study for Traffic Enhancement at the Intersection of Dr. A. Santos Avenue corner President's Avenue, Sucat, Parañaque City Duration: Oct 2015 - Mar 2016 Client: San Miguel Corp-Infra Group.	<p>Dr. A. Santos Avenue is a highly commercialized corridor with large establishments that influence traffic flow causing traffic congestion. Furthermore, the traffic movements along the said thoroughfare and President's Avenue lead to a very dense commercial and residential area thus further exacerbating traffic congestion. During peak hours the traffic backflow tail end reaches the carriageway of Skyway, which is about 1.55 kilometer away.</p> <p>The objective of the study is to determine the appropriate traffic management cum infrastructure intervention at the study area within the existing road right-of-way (RROW) thru an intersection analysis in order to improve the traffic flow along the said corridor.</p>
9. Economic Feasibility of SLEX/Skyway Ramp Access Construction for the FTI-ITS Project Duration: Dec 2015 - Jan 2016 Client: Ayala Land Inc.	The objective of the study is to prepare an Economic Feasibility Analysis of the project for NEDA-ICC requirements.

Completed Projects - 2014

Name of Projects	Description
<p>1. Traffic Count and Passenger Interview Surveys for the Roadmap Study for Sustainable Urban Development in Metro Cebu Lead Firm: ALMEC Corporation Duration: January 2014 - April 2014 Client: Japan International Cooperation Agency (JICA)</p>	<p>TTPI was subcontracted by ALMEC Corporation (main consultant) of JICA in connection with the Traffic Count and Passenger Interview Surveys for the Roadmap Study for Sustainable Urban Development in Metro Cebu. Based on the Terms Of Reference (TOR) of said surveys, three (3) types of surveys were undertaken, namely, (a) Cordon Line Survey (CLS), (b) Screen Line Survey (SLS) and (c) Terminal Passengers' Interview. Analyzed and prepared survey results report.</p>
<p>2. Travel Speed Survey for the Roadmap Study for Sustainable Urban Development in Metro Cebu Lead Firm: ALMEC Corporation Duration: January 2014 - April 2014 Client: Japan International Cooperation Agency (JICA)</p>	<p>TTPI was subcontracted by ALMEC Corporation (main consultant) of JICA in connection with the Travel Speed Survey for the Roadmap Study for Sustainable Urban Development in Metro Cebu. The survey aims to obtain driving data of taxis to provide an easier way to identify bottlenecks in the urban road network by the day and the time period. The Survey's results will also be analyzed to evaluate operation efficiencies, or turnover ratios, of taxis to think of demand-supply balance in Metro Cebu</p>
<p>3. Sipit Interchange and Feeder Road Concept Study Duration: January 2014 - March 2014 Client: South Luzon Tollway Corporation</p>	<p>South Luzon Tollway Corporation has commissioned TTPI to undertake the Sipit Interchange Concept Study. This study describes the methodology and shows the traffic forecast for the proposed interchange.</p>
<p>4. Traffic Impact Analysis and Traffic Management Planning of Citta de Mare South Road Properties, Cebu City Duration: March - June 2014 Client: Filinvest Land Inc.</p>	<p>TTPI was commissioned by Filinvest Land Inc. to prepare a traffic impact assessment study of its development in South Road Properties in Cebu City. The objectives of the study are to determine impact of the development to the surrounding roads and determine the road lane requirements of its proposed internal road system.</p>
<p>5. Skyway Stage 3 Traffic Validation Study Duration: July - Sep 2014 Client: Stage 3 Connector Tollways Holdings Corporation</p>	<p>Stage 3 Connector Tollways Holdings Corporation, a subsidiary of San Miguel Holdings Corporation commissioned TTPI to conduct a validation study for Skyway Stage 3 that connects South Luzon Expressway to North Luzon Expressway.</p>
<p>6. STAR Tollway Bauan Extension Traffic Study Duration: Sep 2014 – Oct 2014 Client: San Miguel Holdings Corporation</p>	<p>San Miguel Holdings Corporation commissioned TTPI to conduct a traffic study for the STAR Tollway Bauan Extension. The main objective of this study is to determine future vehicular traffic levels of the tollway extension and their impact on existing expressway.</p>
<p>7. Philippine Orthopedic Center Traffic Impact Study Duration: Sep 2014 – Oct 2014 Client: Megawide Construction</p>	<p>The project involved the preparation of traffic impact analysis with the planned construction/development of hospital building. The identified development and traffic impacts were to be minimized through traffic management schemes.</p>
<p>8. Internal Road Traffic Evaluation and Parking Requirement Analysis of the Proposed Southwest Bus Terminal Project Duration: Sep 2014 – Oct 2014 Client: Filinvest Land Inc.</p>	<p>The study involves the determination of the sufficiency of the entrance and exit gates as well as the internal roads where the buses and other vehicles will pass through. It makes use of the volume-capacity ratio (VCR) method which takes into consideration the traffic volume passing through a road section and the capacity of the section.</p>
<p>9. Traffic Count Surveys for Metro Manila Priority Bridge Seismic Improvement Project (MMPBSIP) Duration: Oct 2014 – Nov 15 2014 Client: CTI Eng'g. International</p>	<p>TTPI have been commissioned by CTI Eng'g. Intl. Ltd. to undertake the transport and traffic surveys for the proposed JICA-Metro Manila Priority Bridge Seismic Improvement Project (MMPBSIP). The objective of the survey is to know the existing vehicular volume that crosses the Pasig River. The transport and traffic surveys are part of a transport data collection activity of the study which will be used in the design of new bridge.</p>
<p>10. Traffic Impact Assessment Study For The Proposed Mareic Building Project Duration: Nov 2014 – Dec 2014 Client: Megawide Construction</p>	<p>The project involved the preparation of traffic impact analysis with the planned construction/development of residential condominium building. The identified development and traffic impacts were to be minimized through traffic management schemes.</p>

Completed Projects - 2013

Name of Projects	Description
1. Davao Sustainable Urban Transport Lead Firm: Halcrow Duration: Feb 2013 - Nov 2013 Client: Asian Development Bank	<p>The technical assistance (TA) will provide advisory services to the government and to the city of Davao to support a program to modernize public transport within the city. The Department of Transportation and Communications will be the executing agency for the TA and the city government of Davao will be the implementing agency. The outcome of the TA is to improve the integration of the city's public transport system, broaden its coverage area, and enhance efficient services for passengers.</p> <p>The key output of the TA is the design and implementation of a public transport strategy and an associated reform and modernization program. The reform program will define public transport routes and services, the coverage area, and hours and frequency of operations. The services will be delivered through the implementation of a new franchising mechanism driven by performance indicators to ensure passenger satisfaction. The program will bring about system integration and enhanced enforcement to carry efficiencies over into operations. The project will build on previous work such as that undertaken by the Asian Development Bank for the Implementation of Asian City Transport–Promoting Sustainable Urban Transport in Asia Project and review current public transport operations and services, including regulatory and operational conditions. The TA will include a substantial capacity development program and stakeholder participation program for government officials, public transport operators, and civil society to ensure the broadest support for public transport modernization.</p>
2. Public Transport Service Network Improvement for Pasig City Central Business District (CBD) Duration: January 23 - March 2013 Client: Pasig City Government	<p>This on-going city public transportation initiative intends to prioritize for implementation within the 405-hectare central business district (CBD) the demand-responsive traffic signal system; and introduction of environmentally sustainable public transport system for intra-CBD and inter-CBD transport connectivity using appropriate low-carbon vehicle technologies.</p>
3. Traffic Study For The Proposed Lapanday - Davao Development Project Duration: January - March 2013 Client: Lapanday Properties Philippines, Inc. (LPPI)	<p>TTPI was commissioned by LPPI to prepare a traffic impact assessment study of its development in Davao City. The main objective of the study is to determine the road lane requirements of its proposed road network.</p>
4. Eton City Tierra Bella Traffic Study Duration: January - March 2013 Client: Eton Properties Philippines, Inc.	<p>TTPI was commissioned by ETON to prepare a traffic impact assessment study of its development in Sta. Rosa City, Laguna. The main objective of the study is to determine the road lane requirements of its proposed road network.</p>
5. SLEX Tollways Integration Project Phase 1 Duration: February - March 2013 Client: San Miguel Corporation	<p>SMC-Infrastructure Group has commissioned Transport and Traffic Planners (TTPI) Inc. which aims to reduce the number of toll barriers between Calamba and Sto. Tomas from five (5) to only two (2), thereby adopting a full closed toll collection system with only the entry and exit toll plazas. More importantly, the removal of toll barriers along Calamba, TR3 and Sto. Tomas is expected to alleviate the worsening congestion at the tollgates and improve vehicle flows along SLEX and to entry/exit ramps.</p> <p>The survey is aimed to ascertain the current vehicular traffic volumes at strategic locations at SLEX (is shown in the TOR) as base data for the planning of toll barriers in the Calamba-Sto. Tomas area.</p>
6. Traffic Surveys for the STAR Expressway Traffic Demand and Revenue Forecasting Study Update Duration: February - March 2013 Client: Halcrow Asia, Inc.	<p>TTPI was subcontracted by Halcrow to undertake the traffic surveys along STAR Expressway which aim to determine the existing traffic demand of the said expressway. Analyzed traffic data and prepared survey results report.</p>

Name of Projects	Description
7 Traffic Impact Assessment and Public Transport Studies for the Lancaster Estates (Cavite) Mar - Aug 2013 Client: Pro Friends, Inc.	TTPI was commissioned by Pro-Friends to undertake the traffic impact and public transport studies for the Lancaster Estate in Cavite.
8 Integrated Transportation System (ITS) Facility at the FTI Complex March - Aug 2013 Client: Ayala Land, Inc.	TTPI have been engaged by Ayala Land Inc. to prepare a study for the proposed Integrated Transportation System (ITS) Facility at the FTI Complex, which is part of the priority Public-Private Partnership (PPP) program of the government. The study is part of the due diligence on the part of the private sector component.
9 Traffic Survey for the JICA Study on Railway Strategy For Clark-Metropolitan Manila For Grater Capital Region In The Republic Of Philippines April - May 2013 Client: Oriental Consultants Co., Ltd. for JICA	TTPI have been commissioned by Oriental Consultants Co. Ltd. to undertake the traffic surveys along SLEX (entry/exist) and Skyway (on/off ramps) to estimate the possible passenger transport demand that will be using the proposed service. Analyzed traffic data and prepared survey results report.
1 Traffic Impact Study for the Proposed Vanguard Hotels - Paranaque May - June 2013 Client: Vanguard Hotels (Phils.), Inc.	TTPI was commissioned by Vanguard Hotels (Phils) Inc to prepare a traffic impact assessment study of its development in Paranaque City. The main objective of the study is to assess the impact of the development in the area.
11 Traffic Study for the Proposed Citimax Building in Bonifacio Global City, Taguig City June - July 2013 Client: Citimax Group Inc.	TTPI was commissioned by Citimax Group Inc to prepare a traffic impact assessment study of its development in Bonifacio Global City as part of the requirements of the Local Government Unit and to assess the impact of the development in the area.
12 Updating of Emerson Employees' Transportation Study July - August 2013 Client: Emerson Philippines	<p>Emerson Philippines, a leading BPO company located in the Philippines, has offices in San Miguel Properties Center (SMPC) in Ortigas Center, Cybergate Plaza in EDSA-Pioneer Streets and Robinsons Summit in the Makati Central Business District (MCBD). To streamline its operations and save on office rental costs, Emerson management has decided to transfer some of its operations into a new office to be built at a site opposite SM City North in Quezon City.</p> <p>Considering that this transfer will invariably affect the employees, and will create some apprehensions among them regarding the change in travel patterns, Emerson contracted Transport and Traffic Planners, Inc. (TTPI) to undertake a transport study to assuage these fears. This effort is also in line with the corporate responsibility of Emerson of giving foremost importance to employee welfare and exercising transparency principles in employee relations.</p>
13 Traffic Impact Assessment Study for the Proposed Housing Development Project in Lower Bagumbayan, Taguig City for the BRACE Program July - August 2013 Client: CONCEP, Inc. for AusAID	The project aims to prepare a master plan for Lower Bagumbayan, Taguig City and outline the infrastructure works needed to improve walkability, accessibility, mitigate flooding and contribute to a safer and livable community. In connection with the above objective, TTPI was commissioned by CONCEP, Inc. to undertake the traffic impact assessment and public transport accessibility of the project area for a better public transport system.
14 MCIAA Air Passenger Traffic Study for the Mactan-Cebu International Airport Project July - August 2013 Client: San Miguel Holdings Corp.	The study is being undertaken by TTPI to assist SMC in the Preparation of Bid Form TP2-2 (Passenger Traffic Forecast; Approach and Detailed Assumptions in Projecting Passenger Traffic Forecast) for the Mactan Cebu International Airport Development Project.
15 Traffic Surveys under the Preparatory Survey for Southern Mindanao Economic Corridor Improvement (Davao City Bypass Construction) Project August - September 2013	TTPI have been commissioned by CTI Eng'g. Intl. Ltd. to undertake the transport and traffic surveys for the proposed Davao City Bypass Road Project. The objective of the survey is to know the demand of traffic that will be using the proposed bypass road. The transport and traffic surveys are part of a

Name of Projects	Description
Client: CTI Engg Intl Co., Ltd. (CTII) for JICA	transport data collection activity which will be used in the recommending schemes to implement the project.
16 Traffic Impact Assessment Study for the Proposed Mactan Cebu International Airport Development Project August – September 2013 Client: Filinvest Development Corp.	TTPI was commissioned by FDC to prepare a traffic impact assessment study for the proposed MCIAA proposed development.
17 SLEX-Skyway Traffic Surveys August – September 2013 Client: Halcrow Asia, Inc.	TTPI was subcontracted by Halcrow to undertake the traffic surveys along SLEX and Skyway which aim to determine the existing traffic demand of the said expressways. Analyzed traffic data and prepared survey results report.
18 Traffic and Parking Validation Study for the Filinvest-Alabang Northgate Cyberzone October – December 2013 Client: Filinvest Alabang, Inc.	TTPI was commissioned by Filinvest Alabang, Inc. to prepare a traffic impact assessment, internal traffic circulation and parking study that would cover the Filinvest-Alabang Northgate Cyberzone
19 CALA Expressway Extension Traffic Revalidation Study Nov 2013 – Jan 2014 Client: San Miguel Corporation	In preparation for the submission of a bid to DPWH, San Miguel Corporation through its Infrastructure Development Group commissioned TTPI for the conduct of a CALAX Traffic Revalidation Study. The objective of the study is to determine vehicular traffic levels and impact of the toll road on existing expressways

Completed Projects - 2012

Name of Projects	Description
<p>1 Vertis North Integrated Transport System (ITS) Project Phase 1 & 2 Duration: October 5 – Dec 30, 2012 Client: Ayala Land, Inc.</p>	<p>TTPI was commissioned by Ayala Land, Inc. The project involves the development of an integrated provincial bus terminal for northern bus routes within the new 200-hectare Quezon City CBD. The Vertis North ITS facility is envisaged to be a passenger-oriented, multi-level transportation terminal within a compact location that would achieve reduced walking and transfer distances of passengers, increased safety and security of terminal users, and better integration of facilities with the CBD mixed-use built environment.</p>
<p>2 Traffic Impact Assessment Study for the Proposed Mixed-Use Development of Bataan Cigar Property in Quezon City Duration: October – November 2012 Client: ETON Properties Philippines, Inc.</p>	<p>TTPI was commissioned by Empire East Land Holdings, Inc. to prepare a traffic impact assessment study of its development in Roosevelt Avenue, Quezon City. The main objective of the study is to determine the traffic impact of the proposed development in the area.</p>
<p>3 Traffic Impact Assessment Study for the Proposed Travellers' Development in Bagong Nayong Pilipino Entertainment City Duration: October – December 2012 Client: Empire East Land Holdings, Inc. (EELHI)</p>	<p>TTPI was commissioned by Empire East Land Holdings, Inc. to prepare a traffic impact assessment study of its development in Eagle St., Pasig City. The main objective of the study is to determine the road lane requirements of its proposed road network.</p>
<p>4 Traffic Impact Assessment Study For The Proposed Rochester Towers Duration: October – December 2012 Client: Empire East Land Holdings, Inc. (EELHI)</p>	<p>TTPI was commissioned by Empire East Land Holdings, Inc. to prepare a traffic impact assessment study of its development in Jabson St, Pasig City. The main objective of the study is to determine the road lane requirements of its proposed road network.</p>
<p>5 Traffic Assessment Study for the PAGCOR Entertainment City Duration: September – December 2012 Client: Entertainment City Estate Management, Inc. (ECEMI)</p>	<p>TTPI was commissioned by Entertainment City Estate Management, Inc. The Study covers the estimation of present and potential future vehicle traffic generated by PAGCOR Entertainment City land developments.</p>
<p>6 Transportation and Traffic Surveys for the Project for Capacity Development on Transportation Planning and Database Management Duration: May to August 2012 Client: JICA/Almec Corporation (Japan)</p>	<p>Under a sub-contract arrangement with Almec Corporation of Japan, TTPI undertook all traffic surveys such as Household Interview Survey (HIS), screen line and cordon line surveys in City of Manila for HIS and whole of Metro Manila and nearby provinces for the screen line and cordon line surveys.</p>
<p>7 Study to Decongest Manila and Divert Container Traffic to Subic and Batangas Ports Duration: March 21, 2012 – Jan 21, 2013 Client: JICA Philippine Office</p>	<p>TTPI commissioned by JICA Philippine Office to undertake a comprehensive review of the past historical and current cargo traffic at the Ports of Manila, Batangas and Subic; Identify the origins and destinations of international cargo traffic, mode for shipping (containerized and general cargo), the entities generating the cargo movements, and requirements of shipping lines in terms of cargo volumes, port charges, etc.; Formulate policy and strategies to decongest Manila and shift container cargo traffic to Subic and Batangas; Identify potential sources of cargo and shipping traffic, and conduct future container cargo forecasts to quantify the prospective container traffic that can be generated within NCR, Northern Luzon, and Southern Luzon. Correlate cargo forecasts to road and port capacities, to guide the identification of the possible delineation and complementation of the roles of Ports of Manila, Subic and Batangas; Identify the factors hindering the utilization of international container terminals in Batangas and Subic; Analyze the proposals taking into</p>

Name of Projects	Description
	<p>account the acceptability of the proposals to the various interest groups, among other considerations; Consult various government and private sector stakeholders to generate proposed policy and strategies to decongest Manila and shift container cargo traffic to Subic and Batangas. Consultation/advocacy/consensus building will be conducted with the representatives of DOTC, PPA, MARINA, SBMA, PEZA, ATI, ICTSI, AISL and with locators' associations, truckers and freight forwarders, as appropriate, in Batangas and Subic Ports; Prepare the recommended policy and strategies, which shall be the subject of the succeeding advocacy and consensus building work. Translate the policy and strategies into action plans, identifying the timelines, critical milestones, and organizations responsible; Formulate the draft policies and applicable written rulings for the effective and sustainable implementation of the selected strategies for optimizing cargo traffic in Subic and Batangas Ports.</p>
<p>8 NAIA Expressway Phase 2 Vehicle Traffic Forecast Revalidation Study Duration: March 21 – April 21, 2012 Client: San Miguel Corporation</p>	<p>TTPI was commissioned by SMC to forecast the expected traffic attracted to the proposed tollroad project.</p>
<p>9 Technical Advisory to Green Spot Development, Inc. (GSDI) for the preparation of an Unsolicited Proposal for the financing, construction, operation, and maintenance of Asphalt Batching Plant Facility under a Build-Operate-Transfer (BOT) Contractual Arrangement Duration: March 8 – May 16, 2012 Client: Green Spot Development, Inc.</p>	<p>The main objective of the advisory services of TTPI (the Consultant) is to assist Green Spot Development Inc. or GSDI (the Client) in preparing and packaging an Unsolicited BOT Proposal for the development and operation of an Asphalt Batching Plant for submission to and approval by the Quezon City Government (QCG).</p>
<p>10 MRT 7 Updating of Ridership Forecast, Revenue Optimization and Economic Evaluation Duration: March 2 – April 2, 2012 Client: San Miguel Corporation</p>	<p>TTPI was commissioned by SMC to analyze the recent willingness-to-pay surveys and fare elasticity studies and review potential impacts of new government projects/ initiatives on the MRT 7 Project.</p>
<p>11 Traffic Study for the Manila North Toll Road Project Duration: March 1 – April 1, 2012 Client: San Miguel Corporation</p>	<p>TTPI was commissioned by SMC to determine the levels of traffic on the Manila North Road competing with the proposed tollroad, which determine the potential time savings on the tollroad and the Demand segmentation, which determine the exit points, through clustering of area/corridor, along the proposed tollroad alignment</p>
<p>12 Traffic Survey and Data Analysis for the North Luzon Expressway (NLEX) Segment 8.2 Traffic Demand and Revenue Forecasting Study Update Duration: March 7 – April 7, 2012 Client: Halcrow for Manila North Tollways Corp.</p>	<p>TTPI was subcontracted by Halcrow to prepare a traffic volume and revenue forecast for proposed North Luzon Expressway (NLEX) Segment 8.2.</p>
<p>13 Traffic Survey and Data Analysis for the Tarlac-Pangasinan-La Union Expressway (TPLEX) Traffic Demand and Revenue Forecasting Study Update Duration: March 1 – April 1, 2012 Client: Halcrow for San Miguel Corp.</p>	<p>TTPI was subcontracted by Halcrow to prepare a traffic volume and revenue forecast for proposed TPLEX tollroad project.</p>
<p>14 Waltermart Mall – Bicutan Traffic Impact Assessment Study Duration: January 4 – February 4, 2012 Client: Waltermart Ventures, Inc.</p>	<p>TTPI was commissioned by Waltermart Ventures, Inc. to analyze the traffic impact of the proposed mall in Bicutan, Paranaque City to determine the traffic impact of the proposed development along its adjacent roads as well as the formulation of a traffic management plan for the affected roads to mitigate possible traffic problems as a result of the said development.</p>

Completed Projects - 2011

Name of Projects	Description
1 STAR Traffic Surveys and Data Analysis Duration: August 2 to Sep 2, 2011 Client: Halcrow Asia Ltd.	TTPI was commissioned by Halcrow Asia to undertake the traffic count survey, journey time survey and data analysis.
2 Traffic Surveys and Data Analysis for the Ayala Tollroad Project Duration: July 22 to Sep 19, 2011 Client: Halcrow Asia Ltd.	TTPI was commissioned by Halcrow Asia to undertake the traffic count survey, journey time survey, roadside interview and data analysis.
3 Calmar Condominium Traffic Impact Study Duration: July - August 2011 Client: Calmar Land Devt. Corp.	TTPI was commissioned by Calmar Land Development Corp to analyze the traffic impact of the proposed Calmar Condominium along the roads adjacent to the said commercial development as well as the formulation of a traffic management plan for the affected roads to mitigate possible traffic problems as a result of the said development.
4 MCU Mall Traffic Impact Study Duration: June - July 2011 Client: DM Ferrer and Associates	TTPI was commissioned by DM Ferrer and Associates to analyze the traffic impact of the proposed MCU Mall along the roads adjacent to the said commercial development as well as the formulation of a traffic management plan for the affected roads to mitigate possible traffic problems as a result of the said development.
5 ADB Headquarter - Manila Traffic Study Duration: May to June, 2011 Lead Firm: CPG Group (Singapore) Client: Asian Development Bank	The project involved the preparation of traffic impact analysis with the planned construction/development of buildings and facilities for the proposed ADB Headquarter -Manila expansion. The identified development and traffic impacts were to be minimized through traffic management schemes.
6 Lindenwood Heights Traffic Impact Study Duration: Apr – May, 2011 Client: Intercontinental Development Corporation	The project involved the preparation of traffic impact analysis with the planned construction/development of residential houses, commercial establishments and facilities for Lindenwood Heights. The identified commercial development and traffic impacts were to be minimized through traffic management schemes
7 SLEX Traffic Surveys and Data Analysis Duration: Apr 25 to May 25, 2011 Client: Halcrow Asia Ltd.	TTPI was commissioned by Halcrow Asia to undertake the traffic count survey, roadside interview and data analysis.
8 Research on Urban Railway Transport in Metro Manila Duration: Feb 15 to April 15, 2011 Client: Japan Bank for International Cooperation	The objectives of the Study are: <ol style="list-style-type: none"> 1. To provide proper guidance for all concerned of the risks associated with the project, from conceptualization, tendering, development/construction, implementation and post-implementation; 2. The identified risks can be shared appropriately by all concerned: a) the government, b) private sector, and when needed, the beneficiaries (users) of the project; 3. Proper categorization of said risks can be done; 4. Where appropriate, applicable and cost effective, the risks can be mitigated prior to tendering; and 5. The identified risks, concerned entities responsible for addressing/mitigating them, appropriate mitigating schemes and approaches, and the proper documentation of these will be stipulated in the contract; and the viability gap will be identified beforehand and as such how to reduce this will be suggested or recommended.
9 Ridership Study and Economic Evaluation for the LRT Line 1 South Extension Project as Integrated with Line 3 Duration: February 1, 2011 to April 8, 2011	The ridership study describes the approach and methodology to be adopted by TTPI, the subcontractor, to generate the passenger transport demand estimates for the Line 1 South Extension Project as Integrated with Line 3. A brief description of how the economic indicators of the various scenarios for consideration will be calculated is also provided, as well as the proposed program for

Name of Projects	Description
Client: Systra Philippines	capacity building. TTPI was responsible on the willingness to pay survey at LRT, MRT, PNR, Bus, FX/GT Express and Jeepney passengers.
10 LRT Line 2 East and West Extensions Stated Preference Survey Duration: Feb 28, 2011 to Apr 9, 2011 Lead Firm: Oriental Consultants Co., Ltd. Client: Japan International Cooperation Agency (JICA)	In general, these surveys aim to provide the necessary inputs in analyzing passenger travel characteristics and forecasting passenger ridership of the proposed LRT Line extension corridor. More specifically, the surveys have the following objectives: a) Identify road-based public transport services affected by the proposed extension; and b) Establish basic travel characteristics of passengers along the corridor and their stated preference with respect to public transport services.
11 Traffic Impact Assessment Study for the Proposed Waltermart - Lagro Duration: February 21, 2011 to March 30, 2011 Client: Willin Sales, Inc.	TTPI was commissioned by to analyze the traffic impact of the proposed Waltermart Lagro along the roads adjacent to the said commercial development as well as the formulation of a traffic management plan for the affected roads to mitigate possible traffic problems as a result of the said development.
12 Development of Public Transportation Strategic Plan for Metro Cebu Duration: Sept 2009 to Oct 2011 Lead Firm: Design Science Inc.	The Study involves: Identification of traffic corridors in the metropolitan area where the promotion and development of public transportation would be most effective in addressing the emerging problems of increasing traffic congestion and air pollution; development of transport strategies for the development and promotion of public transportation in Metro Cebu in the short, medium and long term periods; preparation of the list of high priority programs and projects; and formulation of implementation plan. TTPI provided experts such as the team leader/transport planner, public transport planner, transport survey specialist, public transport institutional/operations specialist, travel demand modeling specialist, GIS specialist, transport engineering specialist, capacity development advisor, transport policy advisor and technical staff. TTPI was also responsible for the conduct of all transport survey component of the project such as: <ol style="list-style-type: none"> 1. Household Interview Survey 2. Bus Terminal Passengers' Interview 3. Airport Passengers' Interview 4. Port Passengers' Interview 5. Boarding and Alighting Survey 6. Passenger Load Count Survey 7. Classified Volume Count Survey 8. Travel Time Survey 9. Roadside Interview Survey
13 NLEX – SLEX Connection Traffic Surveys and Data Analysis Duration: February 15 to March 15, 2011 Client: Halcrow Asia Ltd. (Completed)	TTPI was commissioned by Halcrow Asia to undertake the following traffic survey and data analysis: <ol style="list-style-type: none"> 1. Traffic Counts Survey 2. Stated Preference Survey 3. Travel Time Survey
14 NLEX – Harbor Link Connection Traffic Surveys and Data Analysis Duration: January 6 to Feb 6, 2011 Client: Halcrow Asia Ltd. (Completed)	TTPI was commissioned by Halcrow Asia to undertake the following traffic surveys and data analysis. <ol style="list-style-type: none"> 1. Traffic Counts Survey 2. Road-Side Interview Surveys 3. Stated Preference Survey 4. Travel Time Survey

Completed Projects 2010

Name of Projects	Description
<p>1 Horizons 101 Condominium Traffic Impact Study Duration: Dec 2010 – Jan 2011 Client: Taft Properties Ventures Corp.</p>	<p>The project involved the preparation of traffic impact analysis with the planned construction/development of buildings and facilities for Horizons 101 Condominium. The identified commercial development and traffic impacts were to be minimized through traffic management schemes</p>
<p>2 IL Corso + CITA de MARE (Cebu) Traffic Impact Study Duration: Dec 2010 – Jan 2011 Client: Filinvest Land Inc.</p>	<p>The project involved the preparation of traffic impact analysis with the planned construction/development of residential buildings and facilities for Filinvest Land housing project in South Road Project (SRP), Cebu City.</p>
<p>3 Igloo Philippines Cold Storage Building Project Duration: Dec 2010 – Jan 2011 Client: Igloo Supply Chain Philippines</p>	<p>The study area shall have as its core, the site of Igloo Philippines along Amang Rodriguez Ave., in Pasig City. The analysis shall however consider an influence area covering a 15-km radius from this. Furthermore, the study shall consider both the internal road network, i.e., within the site, and the external road system within the influence area.</p>
<p>4 Waltermart Calamba 2 and Sucat Traffic Impact Studies Duration: Sep 2010 – Dec 2011 Client: Willin Sales, Inc.</p>	<p>The project involved the preparation of traffic impact analyses with the planned construction/development of buildings and facilities for Waltermart-Sucac and Calamba 2. The identified commercial development and traffic impacts were to be minimized through traffic management schemes.</p>
<p>5 Traffic Impact Study for the Proposed Gaisano Department Store (Alabang) Duration: Sep 2010 – Oct 2010 Client: Vicsal Development Corp.</p>	<p>The overarching goal of the study is to identify and prepare the roadmap for implementation of the required infrastructure, services, governance mechanisms, systems and procedures, and rules and regulations to improve the transport system operation and performance within the Pasig CBD.</p>
<p>6 Pasig City Central Business District Land Use and Transport Study Duration: Oct 2010 – Mar 2011 Client: Pasig City Government</p>	<p>The overarching goal of the study is to identify and prepare the roadmap for implementation of the required infrastructure, services, governance mechanisms, systems and procedures, and rules and regulations to improve the transport system operation and performance within the Pasig CBD.</p>
<p>7 Public Transport and Traffic Study for NUVALI Duration: June to October 2010 Client: Ayala Land Inc.</p>	<p>The goal of the study is to identify ways to improve the public transport orientation within NUVALI, to include connections to key developments. The following objectives were culled from the Terms of Reference (TOR) forwarded by ALI to the prospective bidders and as revised during the preliminary scoping meeting held on 9 June 2010. More specifically, the added services include recommendations on: (i) the traffic signal locations within NUVALI; (ii) locations of bus stops and pedestrian crossings; (iii) locations of sub-terminals, if warranted, within NUVALI; and (iv) internal transport circulation plan for public and private transport modes, respectively, including those for non-motorized transport (i.e., bikeways and paths, sidewalks and pedestrian paths).</p>
<p>8 Public Transport Improvement Study for Ayala Center and the Makati Central Business District (MCBD) Duration: March to May 2010 Client: Ayala Land Inc.</p>	<p>The goal of the study is to identify ways to improve the public transport orientation of the Makati Central Business District, including Ayala Center Glorietta and Greenbelt, and linkages to MRT 3 and terminals at Building 6 and Shell Forbes.</p>
<p>9 Paseo de Sta. Rosa, Laguna Public and Traffic Studies Duration: March to May 2010 Client: Greenfield Development Corp.</p>	<p>The project involved the preparation of traffic impact analysis with the planned construction/development of Public Transport Terminal and facilities for Paseo de Sta. Rosa, Laguna. The identified commercial development and traffic impacts were to be minimized through traffic management schemes. An internal transit system was identified to improve traffic circulation within the commercial complex.</p>

Completed Projects 2009



	Name of Projects	Description
1	Development of a Comprehensive Master Plan for the Quezon City Central Business District (East and North Triangles) Lead Firm: CPRM Consultants Duration: Nov 2009 to May 2010 Client: Quezon City Government	The project is intended to assist the Tri Dev Commission in developing a master plan that will cover the East Triangle and North Triangle. The plan is expected to include detail physical design plans, business development strategies and implementation plan that will ensure the viability of the CBD. The development is expected to achieve an environmentally balanced mixed use development consistent with the comprehensive framework earlier developed.
2	Supplemental Institutional Strengthening Assistance for the Social Reform Related Feeder Ports Development Project Duration: Nov 2009 to Aug 2010 Client: Japan International Cooperation Agency (JICA)	The objective of the project is to promote the sustainability of operations of feeder ports developed with Japanese financial and technical assistance by providing institutional strengthening assistance so that the ports can continue to serve the purpose of catalyzing and facilitating economic and social development within the poor localities where they are located. TTPI was commissioned by JICA to (i) Assist in Finalizing Institutional Arrangements on Reporting & Monitoring System for O&M of Feeder Ports; (ii) Provide Technical Assistance on LGUs Capacity Building to Manage and Sustain Ports; and (iii) Enhance Reporting System of LGUs and Monitoring System of DOTC/PPA/PFDA through established website.
3	Emerson Employees Transportation Study Duration: Oct 2009 to Dec 2010 Client: Emerson Philippines	The transportation study aims to determine the impact of the office transfer on Emerson employees in terms of: (i) travel times to and from work; (ii) modal choices; and (iii) overall transport costs. The study is expected to provide guidance to Emerson top management on the spatial clustering of employee origins (home locations), work trip-related modes of public transport (AUV/FX, jeepney, bus, LRT/MRT) by time period of travel, incremental travel times (including waiting times at terminals/stops) and transport costs (current office site vs. future site). These information will for the basis for any plan to adjust the prevailing transportation allowances given to Emerson staff or to arrange special transport services.
4	JICA Situational Analysis in the Field of Maritime Safety and Security Duration: March 2009 to May 2009 Client: Japan International Cooperation Agency (JICA) Philippine Office	TTPI will undertake the situational analysis of all aspects of maritime safety and security in the Philippines and development of priority programs and projects for possible inclusion of JICA in their Country Strategy and Assistance Program for the Philippines.
5	Feasibility Study of New Caloocan Station for the LRT 1 North Extension Project Duration: February 2009 to March 2009 Client: Light Rail Transit Authority (LRTA)	TTPI was tasked to undertake LRT 1 Ridership Study using the JICA-STRADA-based Metro Manila Public Transport Demand Model recently calibrated for the World Bank's Manila LRT South Extension Project and project evaluation of the proposed General Malvar Station of the LRT 1 North Extension Project.
6	Feasibility Study of LRT 1 South Extension to Imus Cavite Duration: February 2009 to March 2009 Client: R2 Builders (Private Sector proponent)	TTPI was tasked to undertake LRT 1 Ridership Study using the JICA-STRADA-based Metro Manila Public Transport Demand Model recently calibrated for the World Bank's Manila LRT South Extension Project for the proposed LRT 1 South Extension Project under unsolicited JV arrangement.
7	Pre-Feasibility Study of MRT 3 West Extension to Bay City Lead Firm: SYSTRA Philippines Duration: January 2009 to March 2009 Client: Department of Transportation and Communications (DOTC)-MetroStar Express (MRT 3 Operator)	TTPI was tasked to undertake the MRT 3 Ridership Study using the JICA-STRADA-based Metro Manila Public Transport Demand Model recently calibrated for the World Bank's Manila LRT South Extension Project.

Completed Projects in 2008

Name of Projects	Description
<p>1 LRT Line 1 North Extension Traffic Management Plan Associated Firm: TTRAPIKO, Inc. Duration: April - Dec 2008 Client: DMCI/First BalFour JV</p>	<p>TTPI was commissioned by DMCI /First Balfour Joint Venture to prepare the Traffic Management Plan (TMP), based on the transport and traffic surveys carried out within the affected areas for the construction of the LRT 1 North Extension Project (Monumento to North Avenue). The TMP, which was approved by the Metro Manila Development Authority (MMDA), served as the traffic management procedures and measures adopted in the on-going construction work.</p>
<p>2 Tacloban and Zamboanga Airports Development Project: Passengers Interview Survey Subcontracted by: Philippine Japan Airport Consultants, Inc. (PhilJAC) Duration: November to December 2008 Client: Department of Transportation and Communications</p>	<p>The company was contracted to conduct airline passenger interview surveys to generate basic information on passenger travel pattern (i.e., origin-destination, trip purpose, etc.) which are vital to passenger demand forecasting.</p>
<p>3 Proposed Kabankalan Airport Pre-FS and Masterplan Study: Passengers Interview Survey Subcontracted by: Schema Konsult Inc. Duration: September to November 2008 Client: Department of Transportation and Communications</p>	<p>The company conducted a financial and economic feasibility study of the proposed Kabankalan Airport in Negros Occidental. It generated information on passenger travel characteristics through airline passengers interview surveys, which were used as inputs in passenger demand forecasting.</p>
<p>4 Southern Luzon International Airport (New Legaspi Airport): Air Passenger Interview Survey Subcontracted by: TCGI Engineers Duration: April - May 2008 Client: Department of Transportation and Communications</p>	<p>The company was contracted to conduct airline passengers interview surveys to generate basic information on passenger travel pattern (i.e., origin-destination, trip purpose, etc.) which are vital to passenger demand forecasting.</p>
<p>5 LRT1 SM North Station Operational and Financial Impact Assessment Study Duration: April - May 2008 Client: SM Prime Holdings</p>	<p>TTPI was commissioned by SM Prime Holdings to conduct the operational and financial impact study for the proposed SM North Station of the LRT1 North Extension Project.</p>
<p>6 Land International Security Commuters' Advocacy Protocol (LAND IS-CAP) Duration: December 2007 to April 2009 Client: Asia-Pacific Economic Cooperation (APEC) Secretariat, Singapore</p>	<p>TTPI, in coordination with the Office of Transportation Security (OTS) of Department of Transportation and Communications (DOTC) was commissioned to evaluate existing APEC member states' public land/rail transport security mitigation measures, draw up and design a set of Terms of Reference & Rules of Engagement (TOR/RE), establish an advocacy campaign to refocus the culture of public land transport commuters and enhance their vigilance & awareness on pro-active security program plan of actions against terrorism.</p> <p>A regional workshop will be held in Manila first quarter of 2009 to discuss the proposed Land International Security Commuters' Advocacy Protocol.</p>

Previous Projects Undertaken

Cebu Port Development Project Implementation Program/Update Feasibility Study

Client: Japan Bank for International Cooperation/Cebu Port Authority
 Location: Cebu City
 Date: July 2007 – September 2007



The company was subcontracted by the **Pacific Consultants International** to update the implementation program for the proposed Cebu Port Container Terminal. The main objective of this Implementation Program Report is to present the features and justification of the proposal to develop the Cebu New Container Terminal to service the burgeoning container traffic at the port using the loan facility of the Japan Bank for International Cooperation (JBIC). The need for the project is shown by comparing the port traffic forecast with the existing capacity of the port. The development of the proposed new container terminal is justified by showing its technical, economic and financial viability. Furthermore, an implementation program was drawn up to serve as basis in pursuing the project.

LRT Line North Extension Feasibility Study

Client: Light Rail Transit Authority
 Location: Quezon City and Caloocan City
 Date: June – August 2007



TTPI was subcontracted by **Pacific Consultants International, Philippines** to estimate the future volume of passengers that would be using the proposed LRT 1 North Extension, an LRT line that will connect the MRT line from Monumento to North Avenue in Quezon City. The work involved the conduct of transport surveys, analysis of existing public transport demand along the concerned corridor and forecasting of future LRT ridership of the proposed line extension.

Road RoRo Terminal System Mobility Enhancement Development Project in the Republic of the Philippines

Client: DOTC/JICA/OCDI
 Location: Nationwide
 Date: October – December 2006

The company was subcontracted by the **Overseas Coastal Area Development Institute of Japan (OCDI)** to conduct interviews of all stakeholders (e.g., shippers, passengers, cargo handlers, port operators, LGUs, govt. agencies, etc.) at forty six (46) selected RoRo ports in the Philippines. TTPI processed all socio-economic and transport data gathered and prepared a survey analysis report.



Mega Manila Public Transport Study

Client: DOTC/JICA/PCI Philippines
 Location: Mega Manila
 Date: December 2006 – March 2007

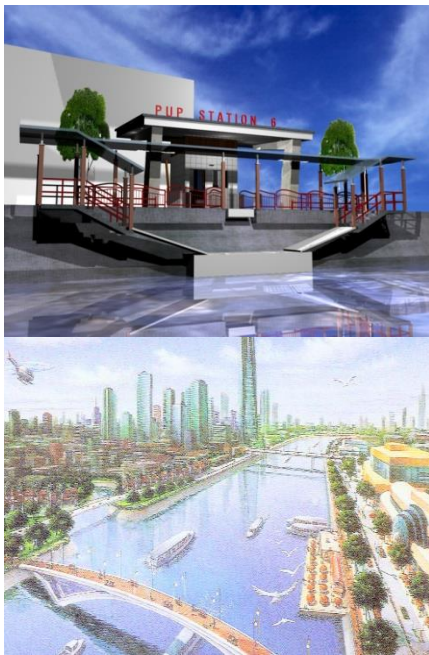
TTPI was subcontracted by **Pacific Consultants International Philippines, Inc.** to undertake the public transport surveys such as origin-destination survey, boarding and alighting survey and drivers' and operators' interview for the Public Utility Jeepneys (PUJ), Public Utility Buses (PUB) and FX in Mega Manila and its neighboring provinces which include Rizal, Cavite, Laguna and Bulacan. TTPI processed all socio-economic and transport data gathered and prepared a survey analysis report.



EDSA North Transit Study

Client: DOTC/Louis Berger Intl.
 Location: EDSA North (QC) to Malabon
 Date: January – August 2006

TTPI was subcontracted by **Louis Berger Group, Philippines** to estimate the future volume of rail passengers that would be using the proposed EDSA North Transit (ENT) extension, an LRT line that will connect the MRT Line 3 from North Avenue up to Caloocan. The work involved the conduct of transport surveys, analysis of existing public transport demand along the concerned corridor and forecasting of future ridership of the proposed line extension.



Pasig River Ferry Service Feasibility Study

Client: Pasig River Rehabilitation Commission
 Location: Marikina City, Pasig City, Makati City and Manila
 Date: April – September 2005

The project evaluated the economic and financial feasibility of the proposed Pasig River Ferry Service. The study activities involved: the conduct of public transport surveys to establish existing public transport supply and demand along the Pasig River corridor, economic feasibility evaluation based on economic benefits and costs, financial feasibility evaluation based on financial revenues and costs, evaluation and recommendation of appropriate ferry station locations, ferry service operational characteristics determination and ferry service fare structure analysis.

Pre-Feasibility Study on Selected Roads in Mindoro and Palawan

Client: Pacific Consultants International
 Location: Mindoro and Palawan
 Date: Sep to Dec 2003

TTPI was commissioned by **Pacific Consultants International** to evaluate the economic feasibility of selected rural roads in Mindoro and Palawan in line with the national government's strategy to establish a nautical highway system in the country.



Study on Sea Transport Process and Cost for Selected Ports in the Philippines

Client: Philippine Exporters Confederation of the Phils (PHILEXPORT)/USAID
 Location: Batangas, Iloilo, Cebu, Cagayan de Oro, Davao, General Santos, Ozamiz, Zamboanga
 Date: August 2003 to January 2004

TTPI was commissioned by **PHILEXPORT** to identify the various stages and corresponding time and transaction costs in the transport cycle of goods headed for and coming from the covered Philippine out-ports. The main objectives of the project were: to generate greater awareness among shippers on the sea transport process flow and their corresponding costs, covering shipping, customs and port formalities; and, to provide template for local shippers councils' and/or exporters' organizations by which to benchmark on a periodic basis the sea transport process flow and progression/s thereon.

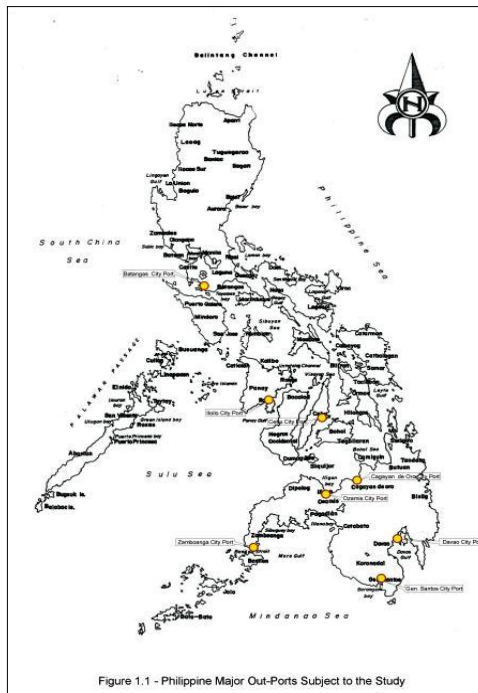


Figure 1.1 - Philippine Major Out-Ports Subject to the Study

Area-Wide Traffic Studies

Public Transport and Traffic Study for NUVALI

Duration: June to October 2010

Client: Ayala Land Inc.



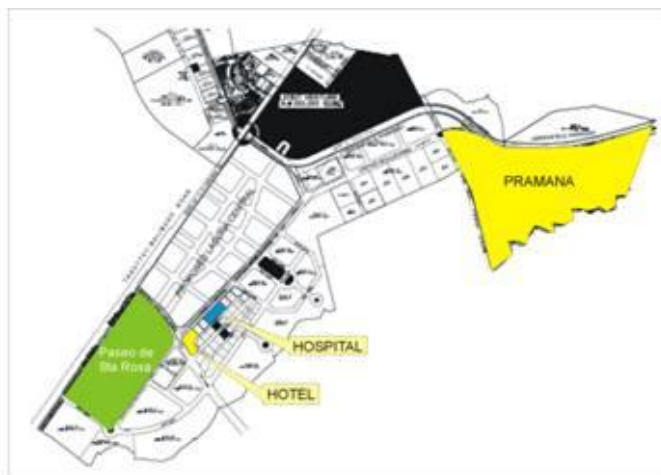
The goal of the study is to identify ways to improve the public transport orientation within NUVALI, to include connections to key developments. The following objectives were culled from the Terms of Reference (TOR) forwarded by ALI to the prospective bidders and as revised during the preliminary scoping meeting held on 9 June 2010. More specifically, the added services include recommendations on: (i) the traffic signal locations within NUVALI; (ii) locations of bus stops and pedestrian crossings; (iii) locations of sub-terminals, if warranted, within NUVALI; and (iv) internal transport circulation plan for public and private transport modes, respectively, including those for non-motorized transport (i.e., bikeways and paths, sidewalks and pedestrian paths).

Paseo de Sta. Rosa (Laguna) Public Transport and Traffic Study

Client: Greenfield Development Corp.

Location: Sta. Rosa, Laguna

Duration: March to Jul 2010



The project involved the preparation of traffic impact analysis with the planned construction/development of Public Transport Terminal and facilities for Paseo de Sta. Rosa, Laguna. The identified commercial development and traffic impacts were to be minimized through traffic management schemes. An internal transit system was identified to improve traffic circulation within the commercial complex.



Windland Tower Residence – Morato Traffic Study

Client: Sky Wealth Land Holdings, Inc.

Location: Morato, Quezon City

Date: Jul - Aug 2009

TTPI was commissioned by Skywealth Holdings, Inc. to analyze the traffic impact of the proposed Winland Tower along the roads adjacent to the said commercial development as well as the formulation of a traffic management plan for the affected roads to mitigate possible traffic problems as a result of the said development.

SM San Pablo Traffic Impact Study

Client: SM Prime Holdings, Inc.

Location: San Pablo City

Date: Sep 2009- Nov 2009

TTPI was commissioned by **SM Prime Holdings, Inc.** to analyze the traffic impact of the proposed SM City San Pablo along the roads adjacent to the said commercial development as well as the formulation of a traffic management plan for the affected roads to mitigate possible traffic problems as a result of the said development.



Philippine Racing Club, Inc. Property Traffic Study

Client: PRCI

Location: PRCI Compound, A. P. Reyes, Makati City

Date: Aug 2009 – Nov 2009

PALAFIX SCHEME



MALAYSIAN SCHEME

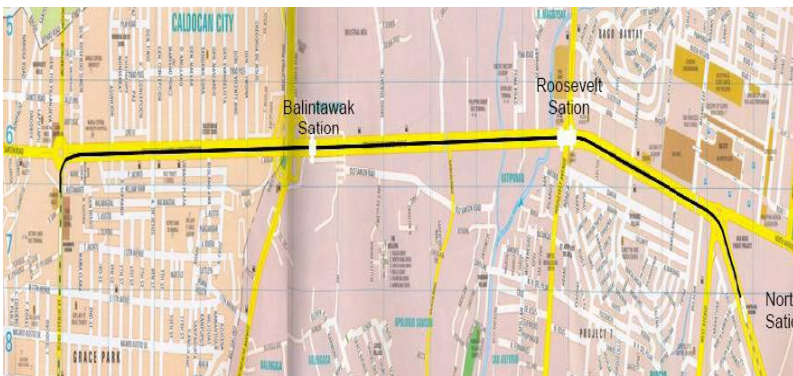


TTPI was commissioned by PRCI to determine the present traffic conditions along the roads surrounding the study area; to estimate future traffic volumes along the roads surrounding (external) and inside the study area taking into consideration the proposed land use development and the normal growth of traffic; to determine the impact of the proposed land use development on the surrounding road network system; to propose traffic management improvement measures to address potential traffic problems; and to formulate appropriate traffic circulation and parking access flow along the internal and external roads of the area.

LRT Line 1 North Extension Traffic Management Plan
 Client: DMCI/First Balfour
 Location: North EDSA to Monumento
 Date: Aug 2008 – Dec 2008



TTPI was commissioned by DMCI and First Balfour to prepare a pre-construction and construction-related traffic management services, particularly in the formulation of comprehensive traffic management plan (TMP). As required, an Interim TMP was prepared in order to secure the early preliminary traffic management and construction clearance from MMDA and concerned local government units.



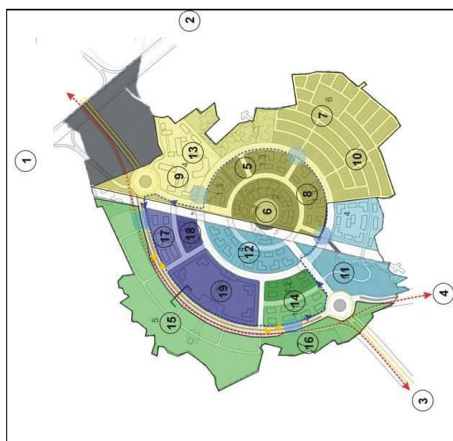
The above traffic management planning activities were crucial to keep the construction-related traffic impacts in terms of delays and inconvenience to the lowest possible level, while maintaining the orderly and safe flow of motor vehicles and pedestrian traffic. The traffic management study considered U-turn operation, alternate routes/re-routing, construction phasing, contra-flow movements along EDSA, center island opening, pedestrian lanes, and identification of the required road safety facilities and devices needed in maintaining order and safety along the LRT 1 north extension alignment and alternate routes, both for peak and low traffic flows.



Greenfield City Binan Public Transport and Traffic Study

Duration: Sep to Nov 2008

Client: Greenfield Development Corp.



The project involved the preparation of traffic impact analysis with the planned construction/development of buildings and facilities for Greenfield City in Biñan, Laguna. The identified commercial development and traffic impacts were to be minimized through traffic management schemes. An internal transit system was identified to improve traffic circulation within the commercial complex.

Canlubang Estate Transport Access Study

Client: Carmelray Industrial Corporation

Location: Canlubang, Laguna

Date: Oct 2007 – January 2008



TTPI was commissioned by Carmelray Industrial Corporation to determine the present land use and transport conditions along the spine roads and intersections surrounding the study area, particularly SLEX, the new East-West Road (Canlubang-Tagaytay Road) and Silangan Interchange; to estimate future transport/traffic volumes along the spine and major intersections within the study area taking into consideration the prevailing and proposed land use development and the normal growth of vehicle traffic; to determine the impact of the proposed land use development on the surrounding road network system; to propose short-term traffic management improvement measures to address immediate traffic problems, medium-term spine road and interchange improvements, and long-term transit plan (options for Bus Rapid Transit and rail connection); and to formulate appropriate time-bound decision options/action agenda based on the preferred transport strategy of improving accessibility through Silangan Interchange to the new East-West Road (Canlubang-Tagaytay Road), while maintaining the township vision and ecological balance for Canlubang Estate.

Traffic Study for the Proposed EDSA Central Redevelopment

Client: Greenfield Development Corporation
 Location: EDSA/Shaw Blvd., Mandaluyong City
 Date: Oct 2007 – Feb 2008

TTPI was commissioned by Greenfield Development Corporation to determine the present traffic conditions along the roads surrounding the study area; to estimate future traffic volumes along the roads surrounding (external) and inside the study area taking into consideration the proposed land use development and the normal growth of traffic; to determine the impact of the proposed land use development on the surrounding road network system; to propose traffic management improvement measures to address potential traffic problems; and to formulate appropriate traffic circulation and parking access flow along the internal and external roads of the area.



SM City Baliuag and SM Supercenter Rosales Traffic Impact Studies

Client: SM Prime Holdings, Inc.
 Location: Baliuag, Bulacan and Rosales, Pangasinan
 Date: Nov 2007 – January 2008



TTPI was commissioned by SM Prime Holdings, Inc. to analyze the traffic impact of the proposed SM City Baliuag and SM Supercenter Rosales along the roads adjacent to the said commercial development as well as the formulation of a traffic management plan for the affected roads to mitigate possible traffic problems as a result of the said development.



SM Cubao Expansion Traffic Impact Study

Client: Shoemart, Inc.

Location: Araneta Center, Cubao, Quezon City

Date: Oct 2007 – Dec 2007

TTPI was commissioned by Shoemart, Inc. to analyze the traffic impact of the proposed **SM Cubao Expansion** along the roads adjacent to the said commercial development as well as the formulation of a traffic management plan for the affected roads to mitigate possible traffic problems as a result of the said development.



SM Fairview Annex 2 and SM Calamba Traffic Impact Studies

Client: SM Prime Holdings, Inc.

Location: Quezon City and Calamba City, Laguna

Date: July 2007 – August 2007



This project analyzed the traffic impact of the proposed **SM City Fairview Annex 2** and **SM City Calamba** along the roads adjacent to the said commercial development as well as the formulation of a traffic management plan for the affected roads to mitigate possible traffic problems as a result of the said development.

SM City Marikina and Taytay Traffic Impact Studies

Client: SM Prime Holdings, Inc.

Location: Marcos Highway, Marikina City and Manila East Road, Taytay

Date: Mar-Jul 2006



This project analyzed the traffic impact of the proposed **SM Marikina** and **SM Taytay** along the roads adjacent to the said commercial development as well as the formulation of a traffic management plan for the affected roads to mitigate possible traffic problems as a result of the said development.



List of Shareholders/Senior Consultants

NAME	DEGREE	SPECIALIZATION
CAL, Primitivo C.	<ul style="list-style-type: none"> - Doctor of Philosophy in the field of Transportation Planning - Master of Engineering (Transportation Engineering) - Bachelor of Laws - Bachelor of Science in Civil Engineering 	<ul style="list-style-type: none"> - National and Local Transport Planning - Urban and Regional Planning - Investment Programming/Public Finance - Government Procurement - Transport Policy Analysis/Law - Institutional Development - Project Management - Public Private Partnership
CASTRO, Jun T.	<ul style="list-style-type: none"> - Doctor of Engineering in Transport Systems Engineering - Master of Engineering in Logistics and Information Eng'g - Bachelor of Science in Civil Engineering 	<ul style="list-style-type: none"> - National and Local Transport Planning - Urban and Regional Planning - Municipal Infrastructure Planning - Systems Analysis - Information Technology Application - GIS Application/Spatial Planning - Travel Demand Forecasting - Urban Transport Survey Analysis
CUSTODIO, Samuel C.	<ul style="list-style-type: none"> - BS Civil Engineering - Master of Science in Urban and Regional Planning (Candidate) 	<ul style="list-style-type: none"> - Port Planning - Intermodal Transport - Maritime Transport & Logistics - Transport Strategy, Policy and Planning - National and Local Transport Planning
DARJES, Peter C.	<ul style="list-style-type: none"> - Master of Science in Economics, University of Hamburg and Kiel - Post Graduate Diploma from the German Development Institute 	<ul style="list-style-type: none"> - Transport Strategy, Policy and Planning - Transport Economics - Transport Logistics - Public - Private Partnership (BOT) - Intermodal Transport - Sustainable Development - Governance - Poverty and Livelihood Development - Public Participation
DE VERA, Romeo I.	<ul style="list-style-type: none"> - Doctor of Philosophy in Public Sector Management (Candidate), - Master of Economics - Master of Business Administration - Bachelor of Science in Electrical Engineering 	<ul style="list-style-type: none"> - Public financial management - Budget preparation/formulation, execution/control, monitoring/reporting/evaluation management - Rationalization of Public Sector Operations including organizational streamlining/restructuring - Performance management and associated capacity building - Fiscal/financial management - Strategic planning /policy formulation, privatization/liberalization
DIAZ, Crispin Emmanuel D.	<ul style="list-style-type: none"> - Doctor of Engineering (Transport Research and Infrastructure Planning) - Master of Engineering (Transportation) - BS Civil Engineering 	<ul style="list-style-type: none"> - Transport Demand Modeling - Transport/Traffic Planning and Engineering - Air Transport Forecasting - Urban and Regional Planning - Economic/Financial Analysis
ENCARNACION, Teodoro T.	<ul style="list-style-type: none"> - Master of Environmental (Urban and Regional) Planning 	<ul style="list-style-type: none"> - Infrastructure/Transport Planning - Project Development

NAME	DEGREE	SPECIALIZATION
	<ul style="list-style-type: none"> - B. S. in Civil Engineering 	<ul style="list-style-type: none"> - Investment Programming/Public Finance - Government Procurement - Transport Policy Analysis/Institutional Devt - Highway Design/Engineering - Public Private Partnership - Construction and Maintenance Management
ESGUERRA, George D.	<ul style="list-style-type: none"> - PhD in Urban and Regional Planning - Master of Science in Urban and Regional Planning - Master in Transport Systems Planning - B. S. in Civil Engineering 	<ul style="list-style-type: none"> - National and Local Transport Planning - Transport Economics/Financial Analysis - Urban and Regional Planning - Investment Programming/Public Finance - Intermodal Transport/Logistics - Urban Transport Demand Modelling - Public Private Partnership - Government Procurement
FELIAS, SENG A.	<ul style="list-style-type: none"> - Doctor of Philosophy (Transportation) - Master of Civil Engineering (Transportation) - Master in Computer Science (12 units) - Bachelor Science in Electrical Engineering 	<ul style="list-style-type: none"> - National and Local Transport Planning - Urban and Regional Planning - Transport Demand Modelling - Transport and Traffic Engg - Capacity Building
FILLONE, Alexis M.	<ul style="list-style-type: none"> - PhD Urban and Regional Planning - Master of Science in Urban and Regional Planning - Master of Engineering (Transportation) - B.S. Civil Engineering 	<ul style="list-style-type: none"> - Transport Demand Modeling - Transport/Traffic Planning and Engineering
GAVIOLA, Nabor C.	<ul style="list-style-type: none"> - Master of Engineering (Transport Systems Engineering) - B.S. Civil Engineering 	<ul style="list-style-type: none"> - National and Local Transport Planning - Urban and Regional Planning - Public Transport Planning - Investment Programming/Public Finance - Land Use and Traffic Impact Assessment - Transport Survey Analysis - Intermodal Transport and Logistics - Public Private Partnership
GREGORIO, Cesar J.	<ul style="list-style-type: none"> - B.S. Civil Engineering 	<ul style="list-style-type: none"> - Transport/Traffic Surveys - Public Transport Planning - Traffic Engineering - Transport Research
GUILLEN, Marie Daniel G.	<ul style="list-style-type: none"> - Doctor of Philosophy in Policy and Planning Sciences - Master of Science in Policy and Planning Sciences - Master of Arts in Urban and Regional Planning - Bachelor of Arts in Sociology 	<ul style="list-style-type: none"> - Urban Transport Planning - Capacity Building - Transport Research - Social Safeguard/Development - Transport/Social Survey Analyses
KOH, Konstantine C.	<ul style="list-style-type: none"> - Master of Arts in Transportation Planning 	<ul style="list-style-type: none"> - Urban/Regional Transport Planning - Transport/Traffic Surveys - Public Transport Planning

NAME	DEGREE	SPECIALIZATION
	- Bachelor of Science in Architecture	- Architectural Design
LIDASAN, Hussein S.	- Ph.D. in Urban and Regional Planning Institute of Planning and Policy Sciences - Master in Environmental Sciences, Institute of Environmental Sciences - Bachelor of Arts in Economics	- National and Local Transport Planning - Urban and Regional Planning - Information Technology in Transport - Investment Programming/Public Finance - Land Use and Traffic Impact Assessment - Transport Survey Analysis using Modeling - Intermodal Transport and Logistics - Public Private Partnership
PILAPIL, Eloisa M.	- PhD in Urban and Regional Planning - Master of Arts in Urban and Regional Planning - Master of Industrial Relations (MIR) - Bachelor of Science in Education	- Project Programming - Urban and Regional Planning - Project Management - Project Development
ROSETE, Elnor T.	- BS Civil Engineering - Post Graduate Diploma in Traffic and Highway Engineering - Master in National Security Administration	- Transport Planning and Economics and Policy - Traffic and Highway Engineering - Project Programming, Management and Monitoring
TRINIDAD, Wilfredo M	- PhD on Urban and Regional Planning (Candidate) - Master in National Security Administration - Master in Development Management (36 Units) - Bachelor of Laws - Bachelor of Arts	- Transport Policy/Regulation - Urban and Regional Planning - Human Resources Development - Project Management - Institutional Development - PPP/BOT Concessioning - Local Government Administration - Contract Tendering/Administration
TUAZON, Marites E	- Master of Arts in Urban and Regional Planning - BS Civil Engineering	- Transport Demand Modeling - Transport/Traffic Planning and Engineering - Railway Planning and Engineering - Urban and Regional Planning - Economic/Financial Analyses - Transport/Traffic Surveys
VITASA, Honorio R.	- Master of Engineering (Transportation Systems) - Bachelor of Science in Civil Engineering - Sea Transport Course	- Transport Planning - Transport Policy Formulation - Transport Planning - Project Development

List of Local Clients

- 1 Arthaland Corporation
- 2 Aseana Holdings, Corp.
- 3 Ayala Corporation
- 4 Ayala Land Inc.
- 5 Calmar Land Development Corp.
- 6 Carmelray Industrial Corporation
- 7 Ceci Realty Inc.
- 8 Citimax Group, Inc.
- 9 CONCEP, Inc.
- 10 Ciudad de Victoria Consortium (CDV)
- 11 Datem, Inc.
- 12 DM Ferrer and Associates
- 13 Emerson Philippines
- 14 Eton Properties Inc.
- 15 Empire East Land Holdings, Inc.
- 16 Entertainment City Estate Management, Inc.
- 17 Filinvest Development Corporation
- 18 Filinvest Land Inc.
- 19 First Homes, Inc.
- 20 Goldtree Projects, Inc.
- 21 Greenfield Development Corporation
- 22 Hotel Asia, Inc.
- 23 J.F. Cancio and Associates
- 24 Intercontinental Development Corporation
- 25 Lapanday Properties Philippines, Inc.
- 26 Louis Berger International
- 27 Megawide Construction Corp.
- 28 Megaworld Corporation
- 29 Metals Industry Research and Development Center (MIRDC) – DOST
- 30 Monolith Construction and Development Corp.
- 31 National Economic and Development Authority (NEDA)
- 31 Quezon City Government
- 32 Pacific Consultants International Philippines, Inc.
- 33 Pasig City Government
- 34 Petron Corporation
- 35 Philippine Racing Club, Inc.
- 36 Phil-Ville Development and Housing Corporation
- 37 Philippines Urban Living Solutions
- 38 R.M. Cabanela Constructon Corporation
- 39 San Miguel Corporation – Infrastructure Group
- 40 San Ramon Holdings, Inc.
- 41 Shoemart, Inc.
- 42 Skywealth Holdings Corp.
- 43 SM Prime Holdings, Inc.
- 44 States Properties Corporation
- 45 South Luzon Tollways Corporation
- 46 Taft Properties Venture Devt. Corp.
- 47 Philippne Exporters Confederation
- 48 Vanguard Hotels (Phils.) Inc.
- 49 Vicsal Development Corp.
- 50 Waltermart Ventures, Inc.
- 51 Willin Sales, Inc. (Waltermart)
- 52 Wells Fargo Enterprise Global Services, LLC Philippines

List of Foreign Clients

- 1 Almec Corporation (Japan)
- 2 Asia Pacific Economic Cooperation (APEC)
- 3 Asian Development Bank
- 4 Australian Agency for International Development (AusAID)
- 5 Cambridge Systematics, Inc. (USA)
- 6 CTI Engineering International (Japan)
- 7 Japan Bank for International Cooperation (JBIC)
- 8 Japan International Cooperation Agency (JICA)
- 9 HFox Associates
- 10 Icons Inc. (Japan)
- 11 Kellogs Brown and Root (KBR-Australia)
- 12 Korean Engineering Company
- 13 Korean Transport Institute (KOTI)
- 14 Louis Berger International (USA)
- 15 MATIERE SA (France)
- 16 Mitsubishi Research Institute (Japan)
- 17 Morgan Stanley (Singapore)
- 18 Oriental Consultants Co. Ltd. (Japan)
- 19 Overseas Coastal Area Development Institute of Japan (OCDI-Japan)
- 20 PADECO (Japan)
- 21 Professional Management and Consulting Services (Japan)
- 22 Rebel Group International B.V (Netherlands)
- 23 SKIDATA AG
- 24 The World Bank