

ベトナム国
ビンズオン省交通局（DOT）

ベトナム国
ビンズオン公共交通管理能力強化
プロジェクト
プロジェクト業務完了報告書

平成30年7月
(2018年)

独立行政法人
国際協力機構（JICA）

株式会社アルメックVPI
東京急行電鉄株式会社

基盤

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略語表

BECADEX IDC	Investment and Industrial Development Corporation	ベカメックス IDC (現地国営企業)
BRT	Bus Rapid Transit	バス高速輸送システム
CP	Counterpart	カウンターパート
DOC	Department of Construction	建設局
DOF	Department of Finance	財務局
DOT	Department of Transport	交通局
DPI	Department of Planning Investment	計画投資局
EASTS	Eastern Asia Society for Transportation Studies	東アジア交通学会
GDP	Gross Domestic Product	GDP
IC Card	Integrated Circuit Card	IC カード
JCC	Joint Coordinating Committee	合同調整委員会 (JCC)
JICA	Japan International Cooperation Agency	国際開発機構 (JICA)
MOCPT	Management and Operation Center for Public Transport	公共交通管理運営センター
MM	Mobility Management	モビリティ・マネジメント
MP	Master Plan	マスタープラン
PC	People's Committee	人民委員会
PDM	Project Design Matrix	プロジェクト・デザイン・マトリクス
PO	Project Operation	活動計画
PR	Public Relations	広報活動
P&R	Park and Ride	パークアンドライド
R/D	Record of Discussion	協議議事録
VSIP	Vietnam-Singapore Industrial Park	ベトナム・シンガポール工業団地
WG	Working Groups	ワーキンググループ

Part 1. プロジェクトの概要

1.1 対象国

ベトナム国

1.2 プロジェクト名

ベトナム国ビンズオン公共交通管理能力強化プロジェクト

1.3 プロジェクト実施期間

当初予定期間：2015年3月から2018年2月まで

実際の実施期間：2015年3月から2018年7月まで

プロジェクト実施期間は、パーク&ライド（P&R）パイロットプロジェクトの実施が遅れたため、5ヵ月延長となった。これはカウンターパートが担当する省図書館（P&R 実施予定地）の土地利用変更手続き及び土木工事が遅延したことが原因である。

1.4 プロジェクトの背景

ビンズオン省はベトナム南部のホーチミン市の北に接する人口約 170 万人の省であり、省内にはベトナム・シンガポール工業団地（VSIP）など 28 の工業団地が存在する他、南部はホーチミン市への通勤圏として人口増加が続いており、2020 年には人口 250 万人になると予想され、ハノイ市、ホーチミン市、ハイフォン市、ダナン市、カントー市に続く中央直轄都市への昇格を目差している。これを見据えて、旧省都であるトゥーヤモット市から約 10km の地に新首都ビンズオン新都市を建設中であり、2014 年 2 月に省庁舎の移転が行われ、12 月にはトゥーヤモット市と新都市を結ぶバスの本格運行が開始された。

開発面積 1,000ha の新都市において、現段階からバス交通を先行的に整備することで、バス交通を中心とする公共交通システム体系の構築が期待されている。また、都市化が進むトゥーヤモット市、ビンズオン新都市を含むビンズオン省南部地域では、移動手段はオートバイなどの私的交通に大きく依存しており、交通渋滞や交通事故、環境汚染等が問題となっている。一報で、ビンズオン省における路線バスは現在 19 路線が運行されているが、年間の利用者は 1,100 万人程度で、交通機関全体での公共交通分担率は、1.0%程度と低い。

省政府では、2014 年に全省を対象とする交通マスタープランを策定し、公共交通システム整備方針として、都市鉄道、高速バス（BRT）などの大量輸送公共交通システムを建設・導入することを掲げているが、実施に向けた具体的なロードマップが示されていないほか、それを進める人材も不足している。このような状況下、公共交通管理能力を強化することを目的として我が国に対する技術協力の要請がなされた。

また、ビンズオン省南部地域は 2018 年開業予定のホーチミン市都市鉄道 1 号線（円借款事業）の沿線地域でもあり、当該事業の事業効果を最大限発揮されるためにも、公共交通へのモーダルシフトの促進が不可欠である。

従って、本業務は、将来的に都市化が進むトゥーヤモット市、ビンズオン新都市を含むビンズオン省南部地域において、バスシステムやバスサービスレベルの改善、モーダルシフト促進を図るものである。

我が国の国別援助方針における重点分野（中目標）において、幹線交通及び都市交通網の整備の支援が掲げられているほか、JICA 国別分析ペーパー（ベトナム）においても、地下鉄、公共バス等の公共交通機関の整備・改善を早急に進める必要性が掲げられており、本プロジェクトはこれら支援方針とも合致するものであり、JICA は 2014 年 3 月詳細計画策定調査を実施、2014 年 5 月ビンズオン省交通局（DOT、Department of Transport）と本プロジェクトに関する協議議事録（R/D : Record of Discussion）を締結した。

業務対象地域は、ビンズオン新都市を含むビンズオン省南部地域の 3 区（トゥーヤモット市、トゥアンアン区、およびディアン区、人口約 102 万人、約 262.4km²）とする。対象地域の位置及び行政界を図に示す。

図 1.4.1: プロジェクト対象地域



出典：JICA プロジェクトチーム

1.5 プロジェクトの概要

1.5.1 上位目標

対象地域におけるモーダルシフトが促進される

1.5.2 プロジェクト目標

公共交通システムの整備に必要な政策作成と実行に関する組織能力が強化される

1.5.3 期待される成果と活動

以下に、本プロジェクト終了時点で期待される成果を述べる。

成果1：バスシステムの改善計画が準備される

活動 1.1：関連資料の収集とレビュー

成果2：バスサービス品質改善方策とパイロットプロジェクトが実行される

活動 2.1：バスサービスレベル向上に向けた対応方針の検討

活動 2.2：パイロットプロジェクト路線におけるバスの定時運行対策

活動 2.3：パイロットプロジェクト路線における IC カードシステム導入、運営管理体制の設立

活動 2.4：バス運転手・乗務員の接客態度のモニタリング制度の導入

活動 2.5：パイロットプロジェクト路線における交通安全対策の実施

成果3：バス利用強化のモビリティ・マネジメント（MM）活動が策定され、関係機関や地域社会の協力のもと実行される。

活動 3.1：モビリティ・マネジメントの導入にかかる政策の検討

活動 3.2：コミュニケーション技能の改善

活動 3.3：関連企業や地域社会に向けた公共交通促進にかかるモビリティ・マネジメント活動の検討・実行ならびに関連企業によるバス定期券手当の導入

活動 3.4：バス利用者に対するパークアンドライド施策促進のためのモビリティ・マネジメント

上記の成果に対応する活動の概要は、次表の通りである。

表 1.5.1: プロジェクトの活動

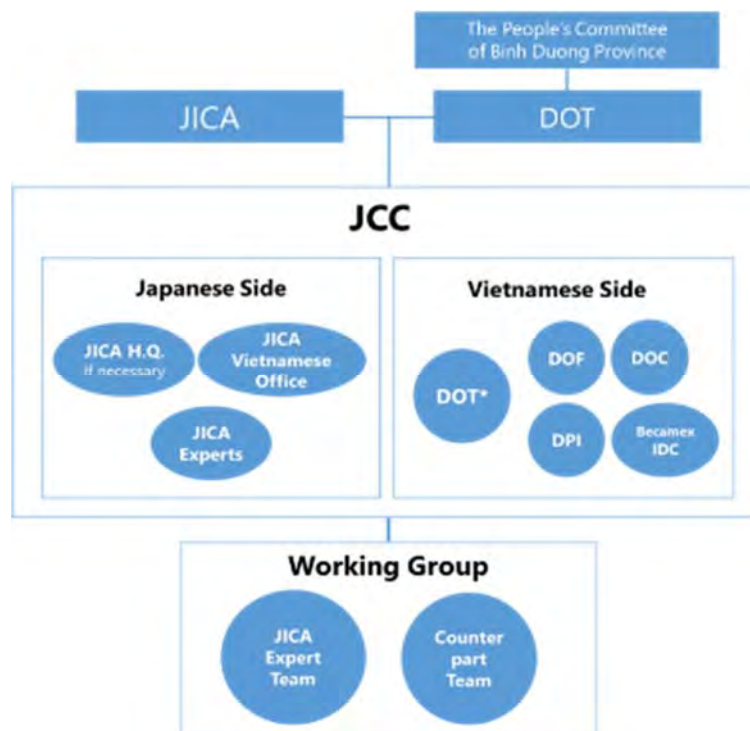
期待される成果	活動の概要
1) バスシステムの改善計画が準備される	<p>バスシステムの改善計画の策定</p> <p>活動 1.1: 関連資料の収集とレビュー</p> <p>活動 1.2: 交通実態調査（交通量カウント調査、交通実態調査、バス運行・バス乗客調査、交通安全意識調査など）の実施</p> <p>活動 1.3: 交通調査結果に基づくビンズオン省交通マスタープランのレビューと公共交通の課題・問題点の特定</p> <p>活動 1.4: 公共交通優先施策・交通需要抑制施策の評価、パイロットプロジェクトに関する政策課題の特定および効果的な事業フレームワークの形成</p> <p>活動 1.5: 将来の需要予測に基づいたバスネットワークの検討</p> <p>活動 1.6: バス運行計画と運賃制度の検討</p> <p>活動 1.7: 商業地区及び新都市における駐車場施策の評価</p> <p>活動 1.8: バス交通改善計画の準備</p> <p>活動 1.9: 研修計画ならびに中間評価・終了時評価に基づいたカウンターパートの能力にかかるベースライン調査の実施</p>
2) バスサービス品質改善方策とパイロットプロジェクトが実行される	<p>バスサービス品質改善方策とパイロットプロジェクトの実行</p> <p>活動 2.1: バスサービスレベル向上に向けた対応方針の検討</p> <p>活動 2.2: パイロットプロジェクト路線におけるバスの定時運行対策</p> <p>活動 2.3: パイロットプロジェクト路線における IC カードシステム導入、運営管理体制の設立</p> <p>活動 2.4: バス運転手・乗務員の接客態度のモニタリング制度の導入</p> <p>活動 2.5: パイロットプロジェクト路線における交通安全対策の実施</p>
3) バス利用強化のモビリティ・マネジメント（MM）活動が策定され、関係機関や地域社会の協力のもと実行される。	<p>バス利用強化のMM活動の策定、関係機関や地域社会の協力の下の実行</p> <p>活動 3.1: モビリティ・マネジメントの導入にかかる政策の検討</p> <p>活動 3.2: コミュニケーション技能の改善</p> <p>活動 3.3: 関連企業や地域社会に向けた公共交通促進にかかるモビリティ・マネジメント活動の検討・実行ならびに関連企業によるバス定期券手当の導入</p> <p>活動 3.4: バス利用者に対するパークアンドライド施策促進のためのモビリティ・マネジメント</p>

1.6 プロジェクト実施体制

1.6.1 プロジェクト運営組織

現地における実施体制を下図に示す。プロジェクトの実施主体は、ビンズオン省人民委員会によって、ビンズオン省交通局（DOT）がメインカウンターパートとして配置され、また関連機関として財務局（DOF）、建設局（DOC）、計画投資局（DPI）、公共交通管理運営センター（MOCPT）、Becamex IDC 等が配置された。

図 1.6.1: プロジェクトの実施体制



出典：JICA プロジェクトチーム

1.6.2 カウンターパート

ビンズオン省人民委員会の下、カウンターパートは本プロジェクトの推進メンバーとして配属され、本プロジェクトに期待される成果ごとのワーキンググループに分かれて活動を行った。

a. ワーキンググループ名

- ワーキンググループ 1: バスシステムの改善計画の策定（活動 1）
- ワーキンググループ 2: バスサービス品質改善方策とパイロットプロジェクトの実行（活動 2）
- ワーキンググループ 3：モビリティ・マネジメント活動（活動 3）

b. メンバー

- Mr. Tran Ba Luan, Director of DOT
- Mr. Nguyen Huu Tuan, Deputy Director of DOT
- Mr. Nguyen Chi Hieu, Deputy Director/ Head of Transport Management Division, DOT

- Mr. Truong Van Dung, Head of Planning and Finance Division, DOT
- Mr. Mai Thanh Minh, Director of Management & Operation Center for Public Transport, DOT
- Mr. Do Thanh Binh, Vice Head of Transport Management Division, DOT
- Mr. Nguyen The Duy, Expert, Transport Infrastructure Division, DOT
- Mr. Le Minh Ky, Expert, Management & Operation Center for Public Transport, DOT
- Mr. Thai Thi Thanh Thuy, Expert, DOF
- Mr. Nguyen Duy Khiem, Head of Economic Sector Division, DPI
- Mr. Huynh Anh Quang , Vice Head of Investment Division, Becamex IDC
- Mr. Huynh Pham Tuan Anh, Head of Technical Infrastructure Division, DOC

1.6.3 JICA プロジェクトチーム

プロジェクトを実行するため JICA プロジェクトチームが派遣された。プロジェクトチームは、株式会社アルメック VPI および東京急行電鉄株式会社による 11 名の専門家（団員交代を含めると合計 13 名）によって構成された。

- 高木 通雅、総括/公共交通政策
- 関 陽水、都市交通計画/副総括
- 小田 崇徳、交通需要分析
- 西野 健、交通管理/交通需要管理計画/交通安全
- 高田 一久/椎野 護、バス運行計画
- 高田 尚英、バス運行管理
- 今田 進平、バス交通関連施設計画
- 福田 トウエンチャイ、モビリティ・マネジメント
- 小島 桃子 /大野 学、住民参加・広報計画
- 江口 弘、パイロット事業活動支援
- 本田 孝哉、IC カード関連法制度

1.7 業務の実施方針と方法

1.7.1 コンサルタントと公共交通事業者との連携による日本技術・ノウハウの提供

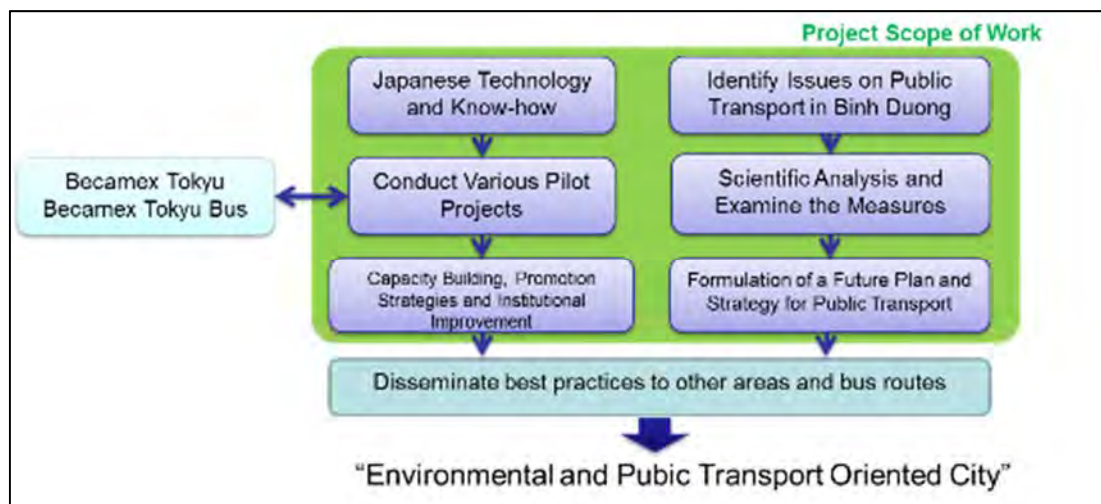
技術協力プロジェクトでは、日本の技術やノウハウを如何にしてカウンターパートに伝えるか、如何にして現地のシステムに融合させるかが常に大きなテーマである。これまでに経験がない技術や仕組みを現地に組み込んでいくためには、理論だけでは不十分であり、具体的な経験が重要となる。路線バス事業も同様であり、定時性や結節性の重要性、交通 IC カード導入による効果等を如何に理論的に説明しても、あるいは日本に招聘して手本を見せたとしても、なかなか実現させることが難しい。これは実際にものを動かすノウハウが備わっていないことが大き

な要因と考えられる。そして、そのノウハウは実際に体験してみて初めて身に付くものであることから、パイロット事業を通じた体験が重要となる。

しかし、このパイロット事業を従前からの現地企業が実施すると、これまでのやり方にとらわれ、なかなか日本のノウハウを生かすことが難しい状況に遭遇することが多い。そこで、本技術協力プロジェクトでは、日本企業（東急電鉄）並びに東急電鉄が現地国営企業と共同出資している現地企業であるベカメックス東急バスと連携して、様々なパイロット事業を実施し、それをモデルとして他の路線や他の地域、さらに交通カードについては他の分野への展開を図ることにより、プロジェクトの最終目標である公共交通を中心とした交通社会の実現を目指した。

基本的なアプローチは下図に示すもので、ビンズオン省の都市部（1市2区）を対象として都市交通の現状を把握し、公共交通サービスの改善に向けたロードマップを明らかにした上で、ベカメックス東急バスと連携して、モデルとなるパイロット事業を企画し、具体的に実施して行った。カウンターパートはそのパイロットプロジェクトを通じて、知識や実施のためのノウハウを培った。

図 1.7.1: 日本技術・ノウハウの提供



出典：JICA プロジェクトチーム

1.7.2 技術移転とコミュニケーション

日常業務を行いながら、様々なプロジェクトの活動に積極的に参画してもらうためには、カウンターパートそれぞれがプロジェクトの意義や活動内容を把握するとともに、プロジェクト側ではカウンターパート側のニーズを把握し、カウンターパートの能力に応じた活動プログラムやスケジュールを準備した。

活動1「バスシステムの改善計画の策定」においては、交通調査結果を基にデータベースを構築し、交通需要予測やそれに基づく定量的な分析・評価、政策立案などが中心となり、科学的な解析作業が伴う。交通需要予測の推計業務には、交通工学、統計学、コンピュータプログラ

ムの専門的な知識が必要とされる。本プロジェクトでは、ベトナムドイツ大学の交通センターに技術移転を行った。

活動2「バスサービス品質改善方策とパイロットプロジェクトの実行」と活動3「バス利用強化のMM活動の策定、関係機関や地域社会の協力の下の実行」は下記に示すパイロットプロジェクトを中心にカウンターパートに対して技術移転を図った。

1.7.3 パイロットプロジェクトへの取組み方針

本プロジェクトで実施されるパイロットプロジェクトが目標とするところは、公共交通サービスの重要性、サービスの在り方、その提供の方法等を、トゥーヤモット市を中心とするビンズオン省南部の都市地域住民や公共交通運行事業者に啓蒙し、求められるサービスの提供に必要なノウハウを技術移転し、公共交通政策を担う行政職員の知識や能力の向上を図ることにある。パイロットプロジェクトの内容は、技術移転のテーマとして、①バス運行サービスの向上、②交通ICカードの普及、③交通安全、そして④私的交通から公共交通へのモーダルシフトの4つの分野を取り扱った。

Part 2. プロジェクトの結果

2.1 プロジェクトの結果

2.1.1 日本側からの投入

2.1.1.1 専門家

プロジェクト開始当初、11名からなる専門家チームをビンズオン省に派遣し、プロジェクトの活動を開始した。プロジェクト3年次終了となる2018年5月末までに、JICAプロジェクトチームは当初計画どおり50.00人月（MM）を投入した。

表 2.1.1: 日本側専門家の投入状況

専門分野	氏名	人月	
		計画	実際
総括/公共交通政策	高木 通雅	7.70	8.31
都市交通計画/副総括	関 陽水	6.80	8.57
交通需要分析	小田 崇徳	1.00	1.00
交通管理/交通需要管理計画/交通安全	西野 健	4.00	5.00
バス運行計画	高田 一久	5.00	0.80
バス運行計画 2	椎野 護		2.77
バス運行管理	高田 尚英	6.00	11.10
バス交通関連施設計画	今田 進平	3.00	0.50
モビリティ・マネジメント	福田トゥエン チャイ	5.00	3.00
住民参加・広報計画	小島 桃子	4.50	1.97
住民参加・広報計画 2	大野 学		3.65
パイロット事業活動支援	江口 弘	5.00	1.33
ICカード関連法制度	本田 孝哉	2.00	2.00
合計 MM		50.00	50.00 (100.0%)

2.1.1.2 投入機材

下記の機材を購入し、プロジェクト活動の実行に供した。またプロジェクト終了後はカウンターパート（DOT）へ供与した。

a)P&R プロジェクト:

表 2.1.2: P&R パイロットプロジェクト用機材

No	品目	量	単位	備考
Site1: ベカメックスタワー (Becamex Tower) P&R				
1	セキュリティシステム	2	set	
2	IC カード	3,500	cards	
3	照明付き案内看板	2	pcs	
4	ポータブルフェンス (チェーン付き)	30	set	
5	デジタルサイネージ	1	set	
Site2: Le Thi Trung 通り P&R				
1	セキュリティシステム	1	set	
2	IC カード	200	cards	
3	照明付き案内看板	1	pcs	
4	ポータブルフェンス (チェーン付き)	24	set	
Site3: 図書館 P&R				
1	セキュリティシステム	1	set	
2	IC カード	300	cards	
3	照明付き案内看板	1	pcs	
4	ポータブルフェンス (チェーン付き)	8	set	

図 2.1.1: P&R パイロットプロジェクト用設備



セキュリティシステム



照明付き案内看板



ポータブルフェンス (チェーン付き)



デジタルサイネージ

出典: JICA プロジェクトチーム

b) IC カードシステム導入用機材:

表 2.1.3: IC カードシステム導入用機材

I. パソコン (Nguyen Lam Computer)

No	品目	量	単位	備考
1	Laptop HP 350 G2 P7Q51PA	2	pcs	
2	Win Pro 8.1 x64 Eng. Intl 1pk DSP OEI DVD FQC-06949 – VAT 0%	2	pcs	
3	Office Home and Business 2016 32B/64 APAC EM DVD (T5D-02695) – VAT 0%	2	pcs	
4	HP Scanjet 200	2	pcs	
5	HP LaserJet Pro P1102W	2	pcs	

II. IC カード (MK Smart)

1	Data card SD260L Printer	2	pcs	
2	Ribbon for card printer YMCK-T	2	roll	
3	Ribbon for card printer K-T	2	roll	
4	Bus card	3,000	pcs	

III. IC カードリーダー(Trans Infotech)

	S80/R50	9	set	
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IV IC カードシステム (NEC)

A.1	Un-interrupt Power Supply – UPS			
1.1	APC Smart-UPS 1000VA 230V	2		
B.1	APP & WEB Servers	1		
1.1	Express5800/R110h-1 no CPU, no RAM, no FAN, no 2.5-inch HDD, no ODD Redundant PSU (1+1) and Bezel included	1		
1.2	Xeon E3-1230 v5 Processor Kit Xeon E3-1230 v5, 4C/8T, 3.4GHz	1		
1.3	8GB DDR4-2133 UNB Memory Kit 8GB Unbuffered DIMM, DDR4-2133	1		
1.4	RAID Controller (1GB, RAID 0/1) LSI, 1GB, RAID 0/1/10, Int.x8, SAS 12/6Gbps, SATA 6Gbps	1		
1.5	600GB 10K Hot Plug 2.5-inch SAS HDD 2.5-inch SAS 10Krpm, 512B sector, 12Gbps	2		
1.6	Internal DVD-Super MULTI Drive Slim DVD Super Multi drive, not including writing software	1		
1.7	Non Redundant FAN Kit	1		
1.8	Microsoft Windows Server 2016 R2 Standard (English,2CPU) English,2CPU	1		
1.9	C13-C14 AC Cable	2		

1.1	Antivirus Kaspersky Small Office Security (1Server + 5PCs)	1		
1.11	SSL Certificate: Rapid SSL Standard	1		
B.2	DATABASE Server			
2.1	Express5800/R110h-1 no CPU, no RAM, no FAN, no 2.5-inch HDD, no ODD	1		
2.2	Xeon E3-1230 v5 Processor Kit Xeon E3-1230 v5, 4C/8T, 3.4GHz	1		
2.3	8GB DDR4-2133 UNB Memory Kit 8GB Unbuffered DIMM, DDR4-2133	2		
2.4	RAID Controller (1GB, RAID 0/1) LSI, 1GB, RAID 0/1/10, Int.x8, SAS 12/6Gbps, SATA 6Gbps	1		
2.5	1.2TB 10K Hot Plug 2.5-inch SAS HDD 2.5-inch SAS 10Krpm, 512B sector, 12Gbps	2		
2.6	Internal DVD-Super MULTI Drive Slim DVD Super Multi drive, not including writing software	1		
2.7	Non Redundant FAN Kit	1		
2.8	Microsoft Windows Server 2016 R2 Standard (English,2CPU) English,2CPU	1		
2.9	C13-C14 AC Cable	2		
2.10	BACKUP EXEC SERVER ED WIN 1 SERVER ONPREMISE STANDARD	1		
2.11	SQL SvrStd 2016 SNGL OLP NL + 4 User CAL	1		
2.12	Spare Parts			
2.12.1	1.2TB 10K Hot Plug 2.5-inch SAS HDD	2		
2.12.2	RAID Controller (1GB, RAID 0/1) LSI, 1GB, RAID 0/1/10, Int.x8, SAS 12/6Gbps, SATA 6Gbps	1		
B.3	Remote desktop license (Web and Database Server)			
3.1	Magic Connect USB Type edition NDL	1		
B.4	KVM Switch & Cables			
4.1	HP 1x4 USB/PS2 KVM Console Switch	1		
4.2	HP 1x4 KVM Console 6ft USB Cable	2		
B.5	Un-interrupt Power Supply – UPS			
5.1	APC SRT2200RMXLI 2200VA	1		
B.6	Backup Storage			
6.1	Nas Buffalo LS520DE. 2 HDD bays, 1.0GHz, DDR3 256MB, USB 3.0, 1 LAN port	1		

6.2	WD HDD Red 4TB 3.5" SATA 3/ 64MB Cache/ IntelliPower (5400RPM-5900RPM)	2		
C	Thien Hau Temple Bus Stop improvement			
1.1	Bus Poles	3		
D	Networking & Data Services			
D.1	ADSL Modem Router			
1.1	LINKSYS X1000 Wifi 300Mbps	1		
1.2	LINKSYS SE2800	1		
D.2	Firewall for Center Data Server			
2.1	Fortinet FG-30E BDL FG-30E: 5 x GE RJ45 ports (Including 1 x WAN port, 4 x Switch	1		
2.2	FAZ-200D Centralized log and analysis appliance - 4xGE RJ45, 1TB storage, up to 5GB/Day of logs	1		
2.3	8x5 Forti care for Forti Analyzer-200D	1		
E.1	Rack System			
1.1	19" 42U - EKOC42100CL, 1.000mmD x 600mmW x 2.050mmH, Front and rear Hexagon Perforated Doors.	1		
1.2	Power Distribution, 6 Outlets, 15 A	1		
1.3	Monitor LED SAMSUNG LS19E310HYMXV	1		
1.4	Key Board and Mouse USB logitech MK200	1		
1.5	Cable patch core AMP 2m	10		

図 2.1.2: IC カードシステム導入用機材



IC カード



パソコン



データベースサーバー

出典: JICA プロジェクトチーム

2.1.2 ベトナム側からの投入

2.1.2.1 カウンターパートの投入

以下 30 名がプロジェクトにカウンターパートとしてアサインされた。

表 2.1.4 カウンターパートリスト

No.	氏名	肩書き・所属
1	Mr. Tran Ba Luan	DOT Director
2	Mr. Nguyen Chi Hieu	DOT Vice Director
3	Mr. Do Thanh Binh	Vice Head of Transport Management Division, DOT
4	Mr. Nguyen Van Tu	Head of Transport Management Division, DOT
5	Mr. Bui Manh Cuong	Vice Head of DOT inspection Division
6	Mr. Minh	Director MOCPT
7	Ms. Tran Thi Hoa	Vice Director of MOCPT
8	Mr. Le Minh KY	MOCPT
9	Mr. Nguyen Loc Ha	DOC Vice Director
10	Mr. Dam Trong Cuong	Transport Association of Binh Duong Province
11	Mr. Phu Huu Minh	Vice Director of Planning & Investment
12	Mr. Nguyen Duy Khiem	Head of Economic Sector Division, DPI
13	Mr. Huynh Pham Tuan Anh	Head of Infrastructure Engineering Division – DOC
14	Mr. Nguyen Dinh Canh	Expert of Department of Information & communication
15	Mr. Do Minh Duc	Vice Head of General Affair Division – BD PC
16	Ms. Phan Thi Thanh Chi	Head of Transport Management Division
17	Mrs. Thai Thi Thanh Thuy	Expert of DOF
18	Mr. Ho Tan Hung (Minh Canh)	Deputy General Director, BTB
19	Mr. Huynh Anh Quang	Vice Director – Investment Department, Becamex IDC
20	Mr. Nguyen Bao Ngoc	Head of General Affairs Department, BTI
21	Mr. Tran Tuan Anh	BTI
22	Mr. Ngo Dang Khoi	BTB
23	Mr. Pham Huy Chuong	BTB
24	Bui Ngoc Thanh	BTB
25	Mr. Nguyen Huu Thinh	Transport Cooperation no. 15
26	Mr. Vu Quang Thanh	Director of Phuong Trinh Bus Operator
27	Mr. Doan Trong Tuan	Vice Director of Phuong Trinh Bus Operator
28	Mr. Nguyen Anh Tai	Ben Cat Cooperative
29	Mr. Truong Quang Hien	Binh Duong Transport JSC
30	Mr. Nguyen Trung Doan	Phuc Gia Khang Co., Ltd

2.1.2.2 作業環境の準備

カウンターパートは JICA プロジェクトチームへ、必要な設備を備えたワーキングスペースを提供した。

図 2.1.3: 提供されたワーキングスペース



プロジェクトオフィス



プロジェクトオフィス (会議室)

出典: JICA プロジェクトチーム

2.1.2.3 プロジェクト経費

DOT とカウンターパートは以下の経費を負担した。

- バス運行環境を改善するため、ティエンハウ廟（Thien Hau Temple）バス停へ、シェルターを建設した費用 120,000,000 VND
- Le Thi Trung 通りおよびビンズオン図書館で実施した P&R 施設のための建設工事費

図 2.1.4: 投入設備



ティエンハウ廟バスシェルター



Le Thi Trung 通りの建設工事



ビンズオン図書館前の建設工事

出典: JICA プロジェクトチーム

2.1.2.4 JCC およびワーキンググループミーティング

プロジェクト期間中、合同調整委員会（JCC）が6回、およびワーキンググループミーティングが定期的開催された。

表 2.1.5: JCC/ワーキンググループミーティング開催概要

開催回次	参加機関	主要協議事項	開催日
First JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA プロジェクトチーム, Tokyu Cor.	Discussion about Work plan Presentation about Public Transport Situation and Issues in Binh Duong Revision of M/D	12 May, 2015
WG for Activity 1	DOT, MOCPT, JICA プロジェクトチーム	Discussion about the WP of the Output 1	20 May, 2015
WG for Activity 3	DOT, MOCPT, JICA プロジェクトチーム	Concept of MM Proposed activities & plan	17 June, 2015
WG for Activity 1	DOT, MOCPT, JICA プロジェクトチーム	Explain about the traffic survey & interview survey plan & contents by the contractor	17 June, 2015
WG for Activity 2	MOCPT, JICA プロジェクトチーム	Discussion about the WP of the Output 2 Sharing information about the public transport in Binh Duong Province	19 June, 2015
WG for Activity 2	MOCPT, JICA プロジェクトチーム	Discussion about the WP of the Output 2 Discussion about the public transport condition and management in Binh Duong Province	25 June, 2015
WG for Activity 2	MOCPT, JICA プロジェクトチーム	Discussion about the public transport condition and management in Binh Duong Province (continuously discussion and confirmation)	3 July, 2015
WG for Activity 3	DOT, MOCPT, JICA プロジェクトチーム	Discussion about travel feedback program (TFP) and Facilitator Skill Handbook	17 July, 2015
WG for Activity 1&2	DOT, MOCPT, JICA プロジェクトチーム	Progress of traffic survey (traffic count & interview survey) Preliminary results of administrative staff survey Outline & concept of Smart Card Pilot Project Supporting policies for the PT development	7 August, 2015
General meeting with DOT Director	DOT, JICA プロジェクトチーム	Reporting about the project progress - Confirmation about the training in Japan	12 August, 2015
WG for Activity 1&2	DOT, MOCPT, JICA プロジェクトチーム	Preliminary Result of Travel Behavior Survey for Administrative Officer in Binh Duong New City Preliminary Result of Commuter Survey for Company in Industrial Park Discussion on Scope of Work of Parking Survey Discussion on Counter Part Fund	12 August, 2015
WG for Activity 1&2	DOT, MOCPT, JICA プロジェクトチーム	Confirmation about the contents of supporting policies for promotion of PT	25 August, 2015

開催回次	参加機関	主要協議事項	開催日
General meeting with Dr. Taniguchi	Dr. Taniguchi, DOT, DOF, DPI, MOPT, DOC, MOCPT, Becamex IDC, JICA HQ, JICA プロジェクトチーム, Tokyu Cor.	Discussion on Current Public Transportation in Bing Duong Discussion on Contents of Training in Japan	27 August, 2015
WG for Activity 3	DOT, MOCPT, JICA プロジェクトチーム	Discussion on MM Activities	30 September, 2015
General meeting with DOT Director	DOT, JICA プロジェクトチーム	Discussion on Activity Plan of MM Confirmation about the contents on Joint Seminar	2 October, 2015
WG for Activity 3	DOT, JICA プロジェクトチーム	Small Workshop related Daily Travel Behavior targeting Administrative Officers	22 October, 2015
General meeting with DOT Director	DOT, MOCPT, JICA プロジェクトチーム	Confirmation about the contents on 2nd JCC Confirmation about the procedures for Joint Seminar	18 November, 2015
WG for Activity 1&2	DOT, MOCPT, JICA プロジェクトチーム	Discussion on Bus Priority Measures and TDM Measures Analyzing the Change in Mode Share based on the Travel Behavior Survey for Administrative Officer Introduction of Smartcard System	18 November, 2015
General meeting with DOT Director	DOT, JICA プロジェクトチーム	Confirmation about Joint Seminar Materials	25 November, 2015
Joint Seminar	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA プロジェクトチーム, Bus Companies, persons from Universities and others	Measures for Public Transport Development in Medium Cities in Vietnam + Public Transport Policy Measures and TDM + Public Transport Policy in Vietnam + Others	1 December, 2015
WG for Activity 1&3	DOT, MOCPT, JICA プロジェクトチーム	Discussion on TDM measures (Staggered Working and P&R) Confirmation about the target/goal on MM Activity Discussion on Future Traffic Demand	3 December, 2015
Meeting with DOT Director	DOT, JICA プロジェクトチーム	Discussion on Draft Minute of Meeting on 2nd JCC	4 December, 2015
2nd JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA プロジェクトチーム, Tokyu Cor.	Discussion about Progress Report	7 December, 2015
WG for Activity 3	DOT, MOCPT and JICA プロジェクトチーム	Discussion on MM Pilot Activity on New Kaze Shuttle Route Use	8 December, 2015
Meeting with DOT Director	DOT and JICA プロジェクトチーム	Confirmation about the Contents on MM Pilot Activity	15 January 2016

開催回次	参加機関	主要協議事項	開催日
Survey at VGU	VGU Students and JICA プロジェクトチーム	MM Questionnaire Survey targeting VGU Students	18 & 19 January 2016
WG for Activity 3	DOT, MOCPT and JICA プロジェクトチーム	Discussion on MM Activity and PR Contents Investigation on P&R Sites	21 January 2016
Meeting with MOCPT in HCMC	MOCPT in HCMC and JICA プロジェクトチーム	Discussion on Smart Phone Application for Information Provision	22 January 2016
Meeting with VGU Students	VGU Students and JICA プロジェクトチーム	Confirmation about MM Activity Implementation Plan	2 March, 2016
WG for Activity 2&3	DOT, MOCPT and JICA プロジェクトチーム	Site Visit to New Bus Terminal (Hikari Bus Terminal) Confirmation about MM Activity Implementation Plan	4 March, 2016
Opening Ceremony of New Bus Routes	DOT, MOCPT and JICA プロジェクトチーム	Attend to Opening Ceremony of New Bus Routes	8 March, 2016
Meeting with DOT Director	DOT and JICA プロジェクトチーム	Confirmation about MM Activity Implementation Plan	8 March, 2016
WG for Activity 3	DOT, MOCPT and JICA プロジェクトチーム	Discussion on Contents on MM Workshop	11 March, 2016
Facilitator Training on MM Workshop	VGU Students and JICA プロジェクトチーム	Orientation and Facilitator Training to Organize MM Workshop	11 March, 2016
Meeting with DOT Director	DOT and JICA プロジェクトチーム	Progress Report and Discussion	16 March 2016
Preparatory Meeting on MM Workshop	VGU Students and JICA プロジェクトチーム	Making Materials Confirmation of Workshop procedure	16 March, 2016
WG for Activity 1	DOT, MOCPT and JICA プロジェクトチーム	Discussion on TDM measures	18 March, 2016
Lecture on MM by Dr. Taniguchi	DOT, MOCPT, VGU Students, Bus companies and JICA プロジェクトチーム	Keynote Lecture on MM + Motorization and Issues + Social Dilemma on Transport Sector + Definition of Mobility Management + Mobility Management Activity in Japan + Applicability to Vietnam	21 March, 2016
1st MM Workshop	DOT, MOCPT, Bus Companies, Officer related Transport Sector and JICA プロジェクトチーム	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	22 March, 2016
Meeting with DOT Director	DOT, JICA プロジェクトチーム	Confirmation of Progress MM Workshop Result Required Procedure on Training in Japan & MM Workshop	25 March, 2016

開催回次	参加機関	主要協議事項	開催日
Site Observation	Becamex and JICA プロジェクトチーム	Site Observation on P&R Pilot Project Candidate Site	28 March, 2016
Meeting with DOT Director	DOT, JICA プロジェクトチーム	Confirmation of Progress Required Procedure on MM Workshop	14 April, 2016
WG for Activity 2	DOT, MOCPT, JICA プロジェクトチーム	Schedule & Overall Structure on Smartcard Pilot Project	14 April, 2016
Meeting with VGU	VGU and JICA プロジェクトチーム	Smart Phone Application for Bus Users	20 April, 2016
WG for Activity 3	DOT, MOCPT, JICA プロジェクトチーム	Candidate Sites for Park & Ride Facility Conceptual Design for Park & Ride Facility Estimation of Minimum Requirement of Parking Lot for Park & Ride Facility	22 April, 2016
2nd MM Workshop	DOT, Admin. Officers and JICA プロジェクトチーム	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	27 April, 2016
Public Meeting with Local Bus Company	DOT, MOCPT, Local Bus Companies and JICA プロジェクトチーム	Existing issue related to the bus operation in Binh Duong Province Information provision for bus usage promotion	29 April, 2016
Park & Ride Development	Becamex IDC & BTB and JICA プロジェクトチーム	Candidate Sites for Park & Ride Facility Conceptual Design for Park & Ride Facility	5 May, 2016
Park & Ride Development	DOT, DOH and JICA プロジェクトチーム	Discussion about the land availability for P&R development inside the provincial hospital	13 May, 2016
Meeting with DOT Director	DOT, JICA プロジェクトチーム	Discussion about P&R development and preparation procedures. Preparation for 3 rd JCC meeting	19 May, 2016
Meeting with Binh Duong PC	PC, DOT, other relevant agencies and JPT	Informing about the project progress and support from PC for the project implementation and PT	24 May, 2016
3rd JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA プロジェクトチーム, Tokyu Cor.	Discussion about Progress Report Work to be implemented in the next period	25 May, 2016
Meeting with DOT Director	DOT, JICA プロジェクトチーム	Bus System Improvement Plan and Fare Policy P&R development Permission about survey for travel behavior of residents	1 June, 2016
WG for Activity 1&2	DOT, MOCPT, JICA プロジェクトチーム	Bus System Improvement Plan and Fare Policy P&R development	1 June, 2016
	DOT, DOC, JICA プロジェクトチーム	Basic Principles of Bus Network Design in Binh Duong	17 June, 2016
3rd MM Workshop	DOT, Admin. Officers and JICA プロジェクトチーム	Introduce New Bus Service Recommend Bus Commuting	22 June, 2016

開催回次	参加機関	主要協議事項	開催日
		Introduce Travel Plan by Group Discussion/Works	
Meeting with the delegation to Japan for 2 nd training	DOT, PC and JICA プロジェクトチーム	Introduction about the training schedule and contents	1 July, 2016
WG for Activity 1&2&3	DO, Becamex, BTB and JICA プロジェクトチーム	Confirm about responsibility of stakeholders for implementation P&R facilities . Plan of Mobility Management Activities during June and August Discussion about Smartcard Pilot Program	1 July, 2016
4th MM Workshop	DOT, Admin. Officers and JICA プロジェクトチーム	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	18 July, 2016
WG for Activity 3	DOT and JICA プロジェクトチーム	Report for Implementation of MM Activities at Residential Areas & Free Bus Day	24 August, 2016
5th MM Workshop	DOT, Admin. Officers and JICA プロジェクトチーム	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	24 August, 2016
Meeting with DOT Director	DOT, JICA プロジェクトチーム	Report for Implementation of MM Activities at Residential Areas & Free Bus Day	6 September, 2016
MM activities at EIU	EIU & JICA プロジェクトチーム	Discussion about MM activity at the university and implementation schedule	16 September, 2016
Meeting with DOT Director	DOT and JICA プロジェクトチーム	Discussion about further activities to be implemented in the coming time	5 October, 2016
Meeting with DOT Director	DOT and JICA プロジェクトチーム	Discussion about JCC meeting	21 October, 2016
Meeting with Binh Duong PC	PC, DOT, other relevant agencies and JPT	Report on the project progress Subsidy and other policies for public transport promotion	7 November 2016
Meeting with Local Bus Companies	DOT, MOCPT, Local Bus Companies and JICA プロジェクトチーム	Existing issue related to the bus operation in Binh Duong Province Introduction of the pilot route to other bus routes Establishment of a new WG	8 November, 2016
WG for Activity 2	MOCPT and JICA プロジェクトチーム	Subsidy situation in Binh Duong prior to 2013.	28 November, 2016
4th JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA プロジェクトチーム, Tokyu Cor.	Discussion about Progress Report Work to be implemented in the next period	8 December, 2016
Meeting with DOT Director	DOT and JICA プロジェクトチーム	Reporting about results of MM activities implemented in Ngo Thoi Nhiem School and proposing to implement further at other schools	27 December, 2017

開催回次	参加機関	主要協議事項	開催日
Meeting with relevant organizations	BTI & BTB, IDC and JICA プロジェクトチーム	P&R development: parking expansion at Becamex Tower and arrangement of the P&R area	12 January, 2017
WG for activity 2 & 3	DOT, MOPCT, BTB Thu Dau Mot Urban development division and JICA プロジェクトチーム	P&R development Proposal for Thien Hau Temple Bus Stop improvement	2 March, 2017
Meeting with relevant organizations	BTI, BTB and JICA プロジェクトチーム	Preparation for P&R at Becamex Tower	2 March, 2017
Meeting with relevant organizations	BTI & BTB, IDC and JICA プロジェクトチーム	Preparation for P&R at Becamex Tower	22 March, 2017
Meeting with relevant organizations	BIT & JICA プロジェクトチーム	Preparation for P&R at Becamex Tower	17 April, 2017
Meeting with Local Bus Companies	DOT, MOCPT, Local Bus Companies and JICA プロジェクトチーム	Proposal for Thien Hau Temple Bus Stop improvement Implementation of Survey for Education & Training Toward Bus Driver and conductors.	15 May, 2017
Meeting with DOT Director	DOT and JICA プロジェクトチーム	Preparation for P&R opening ceremony Discussion about further activities to be implemented	19 May, 2017
Meetings with bus operators	Binh Duong bus operator, Ben Cat bus operator, 19/5 Bus operator & JPT	Discussion about the traffic safety (focusing on bus transport)	30&31 May, 2017
WG for activity 2 & 3	DOT, MOCPT, JPT	Layout of P&R at Le Thi Trung & Library	31 May, 2017
Meeting with Phuong Trinh Bus company	Phuong Trinh Bus company & JPT	Possibility to join the project activities and Discussion about the traffic safety (focusing on bus transport)	5 June, 2017
Meeting with relevant organizations	IDC, DOT, MOCPT and JICA プロジェクトチーム	Preparation for P&R at Le Thi Trung & Library	5 June, 2017
WG for activity 2 & 3	DOT, MOPCT, and JICA プロジェクトチーム	Result of traffic safety hearing and proposal about MM activities	9 June, 2017
Workshop on Subsidy and Soft Loan for Bus Transport in Vietnam	DOT, DONRE, Tax Division, Department of Science & technology, Department of Information and Communication, MOPCT, bus operators and Transport Association of Binh Duong Province	Public Transport Fare Policies in Major Cities in the World Bus Transport Subsidy (Government Support for Bus Transport) in Tokyo Subsidy and Soft Loan for Bus Transport in Vietnam Proposed Subsidy Policy for Bus Transport in Binh Duong Discussion	23 June, 2017

開催回次	参加機関	主要協議事項	開催日
5th JCC meeting	DOT, DOF, MOCPT, Becamex IDC, JICA プロジェクトチーム, Tokyu Cor.	Discussion about Progress Report Work to be implemented in the next period	21 July, 2017
WG for activity 3	DOT, DOET and JICA プロジェクトチーム	Discussion about the schedule and contents for MM activities targeting elementary students	25 July, 2017
WG for activity 3	DOT and JICA プロジェクトチーム	Informing DOT about errors in payment for passengers due to system software. PR materials for P&R on Le Thi Trung Street	8 August, 2017
Meeting with DOT Director	DOT and JICA プロジェクトチーム	Subsidy policy for public transport improvement plan focusing on bus in Binh Duong Province	15 August, 2017
Meeting with DOT Director	DOT and JICA プロジェクトチーム	Further discussion and supplement to the subsidy policy for public transport implement plan focusing on bus in Binh Duong Province Revision of Thien Hau Bus Temple Improvement Plan	22 September, 2017
WG for activity 2	DOT, DOIC and JICA プロジェクトチーム	Discussion about Smartcard Expansion Plan	06 October, 2017
Meeting with DOT Director	DOT and JICA プロジェクトチーム	Further discussion and supplement to the subsidy policy for public transport implement plan focusing on bus in Binh Duong Province	11 October, 2017
WG for activity 3	DOT, BTB, Petrus Ky School and JICA プロジェクトチーム	Exchange opinion about the MM activity teacher at Petrus Ky School	11 November, 2017
WG for activity 1	DOT, MOCPT and JICA プロジェクトチーム	Bus schedule preparation Extension of the parking fee exemption for Park & Ride at Becamex Tower	27 November, 2017
WG for activity 3	Petrus Ky, BTB, JICA プロジェクトチーム	Preparation for MM activity targeting elementary students at Petrus Ky School	26 January, 2018
WG for activity 3	BTI, Green Parking, BTB, JPT	Preparation work at P&R adjacent to Binh Duong Library	31 January, 2018
Meeting with DOT Director (Review of Joint Evaluation)	DOT, JICA プロジェクトチーム	Discussion about 1) joint review, and 2) for the achievement of overall goals after the project completions	20 April, 2018
6th JCC meeting	JICA, DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Project Completion Report	24 May, 2018

2.1.2.5 本邦研修

プロジェクト期間中に本邦研修を2回実施した。詳細を以下に記す。

- a. 第1回本邦研修は、公共交通の利用促進対策に焦点に、2015年9月13日から19日にかけて実施された。研修参加者は以下の5名である。

- Mr. Tran Ba Luan – DOT Director
- Mr. Nguyen Chi Hieu – Head of Transport Management Division, DOT
- Mr. Nguyen Loc Ha – DOC Vice Director
- Mrs. Thai Thi Thanh Thuy – Expert of DOF
- Mr. Nguyen Duy Khiem – Head of Economic Sector Division, DPI

研修の内容は以下の通りである。

- 講義・視察: 東急バスのバス運行管理システム
- 講義: モビリティ・マネジメント概論 (筑波大学・谷口准教授による)
- 視察: 京都駅におけるフィーダーバスのための乗り換えシステム

図 2.1.5: 第 1 回本邦研修の様子 (2015)



出典 : JICA プロジェクトチーム

b. 第 2 回の研修は、公共交通推進にかかるパイロットプロジェクトを推進するための能力向上をテーマに、2016 年 7 月 20 日から 28 日にかけて実施された。研修参加者は以下の 7 名である。

- Mr. Do Minh Duc – Vice Head of General Affair Division – BD PC
- Mr. Do Thanh Binh – Vice Head of Transport Management Division, DOT
- Mr. Huynh Anh Quang – Vice Director – Investment Department
- Mr. Huynh Pham Tuan Anh – Head of Infrastructure Engineering Division – DOC
- Mr. Nguyen Van Tu – Chief of DOT Office
- Mr. Phu Huu Minh – Vice Director of Planning & Investment
- Ms. Phan Thi Thanh Chi – Head of Transport Management Division

研修内容を以下に示す。

- JR 橋本駅におけるモビリティ・マネジメント施策の視察および講義
- 日本におけるバスを中心とした公共交通政策
- BRT システムとモビリティ・マネジメント
- 日本における IC カードの利用実態
- 日本における P&R 施策

2.2 プロジェクトの達成状況

2.2.1 成果と指標

2.2.1.1 成果 1: バスシステムの改善計画が準備される

成果 1 にかかる活動の結果を下表に記す。

表 2.2.1: 成果 1 の活動結果

活動・ワークアイテム No.	活動状況	結果
1.1.関連資料の収集とレビュー、問題点と課題の把握 (Work Item 5)	<ul style="list-style-type: none"> - 交通需要予測に必要なデータ各種を入手した。 ✓ 社会経済データ:交通需要予測の基礎となる統計レポートおよびデータ (GDP, 人口, 車両所有率など) ✓ 交通セクターにかかる計画や検討: 交通マスタープラン (2020 年) に関連する情報およびデータ ✓ 道路ネットワークおよび公共交通システム (最新版) : ビンズオン省の道路建設現況およびバス運行状況 ✓ 都市交通にかかる関連法、規制、政策: 交通分野にかかる法律、条文 ✓ 財源/ 予算計画: 交通インフラ建設にかかる財政源/予算およびバス運行にかかる補助金 ✓ 交通データの収集・保有・利用状況: MOCPT が収集するバス関連情報および DOT が保有する交通インフラデータ ✓ 貧困・ジェンダー等に関するデータ: ジェンダー、年齢別人口、障害者人口、収入データなど 	<ul style="list-style-type: none"> - 完了
1.2. 交通実態調査の実施 (交通量カウント調査、交通行動調査、バス運行乗客調査、交通安全意識調査など) (Work Item 9)	<ul style="list-style-type: none"> - 現況の交通データレビューおよび分析 - 下記交通調査の実行と結果分析: <ul style="list-style-type: none"> ✓ 交通量カウント調査 ✓ バス乗客インタビュー調査 ✓ 駐車場調査 - 交通需要予測モデルの作成 - 下記交通行動調査の実行と結果分析: <ul style="list-style-type: none"> ✓ 行政職員を対象とした市街地エリア調査 ✓ 行政職員を対象とした通勤パターン調査 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了 - 完了

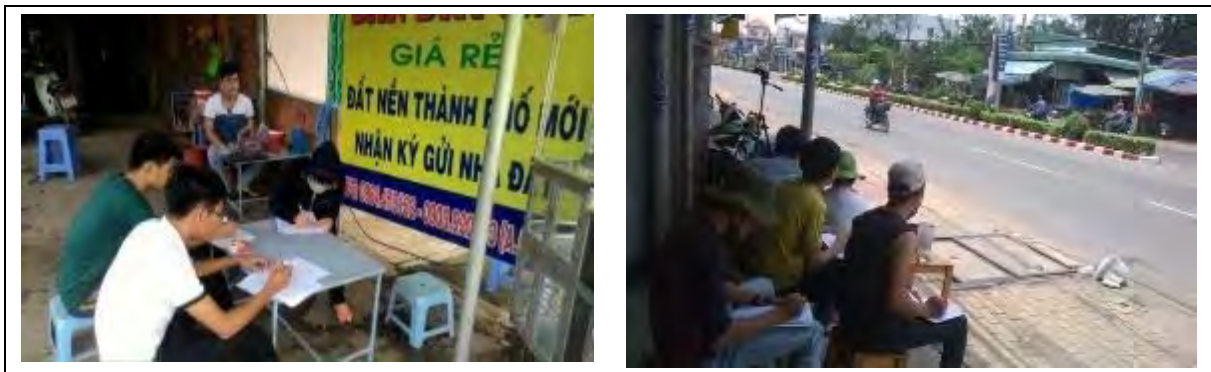
活動・ワークアイテム No.	活動状況	結果
	<ul style="list-style-type: none"> ✓ 工業団地内の日本企業を対象とした通勤パターン調査 ✓ VSIP-II における労働者の通勤実態インタビュー調査 	
1.3. 都市計画・都市交通マスタープランのレビュー(Work Item 10)	<ul style="list-style-type: none"> - ビンズオン省交通マスタープランのレビュー 	- 完了
1.4. 公共交通優先政策・交通需要抑制政策に関する課題の特定 (Work Item 11)	<ul style="list-style-type: none"> - 公共交通優先政策および交通需要マネジメント (TDM) 施策の検討 - カウンターパートチームへ交通需要分析を提示し、TDM 政策およびバス優先政策についての意見交換を行うワーキンググループの実施 - 都市交通問題について、ワークショップやセミナー、市民への PR 活動の実施 (ジョイントセミナー、2015 年 12 月 1 日実施) - モビリティ・マネジメントの基調講座の実施 (筑波大学・谷口准教授による) (2016 年 3 月 22 日実施) - バス会社との共同会議の実施 (2016 年 4 月 29 日) 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了 - 完了 - 完了
1.5. 将来の交通需要に基づいたバスネットワークの検討 (Work Item 12)	<ul style="list-style-type: none"> - 将来交通需要の試算 - コリドー別需要分析の実施 - 現在のバスネットワーク計画の課題特定 - 新規バスネットワークの計画・評価 - ホーチミン UMRT1 号線との接続を踏まえた都市部におけるバスルートの再編検討 - 地元バス運行业者主導によるバス交通サービス向上のためのパイロット活動の形成 - バス交通改善計画の準備および省政府への提案 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了 - 完了 - 完了 - 完了 - 完了
1.6. バス運行計画と運賃制度の検討 (Work Item 13)	<ul style="list-style-type: none"> - バス会社とのパブリックミーティングを実施し現状のバス運行情報収集を行う - バス運行計画の検討 - 料金政策の検討 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了

活動・ワークアイテム No.	活動状況	結果
	<ul style="list-style-type: none"> - バス交通にかかる料金政策と補助金に関するワークショップの開催 - バス運行計画および Work Item18 によるバス運賃政策の最終化 	<ul style="list-style-type: none"> - 完了 - 完了
1.7. 商業地区及び新都市における駐車政策の評価 (Work Item 14)	<ul style="list-style-type: none"> - P&R 実施の重要性を評価するための P&R 利用者インタビュー - 現状の駐車状況の分析および駐車政策のレビュー - 駐車政策の検討・評価 	<ul style="list-style-type: none"> - 部分的に完了 (理由: 本市における駐車政策は大都市と比較すると重要度が低いため。そのため本プロジェクトでは P&R 利用者インタビューに焦点を当てた)
1.8. バス交通改善計画の策定 (Work Item 15)	<ul style="list-style-type: none"> - 活動 1.2~1.7 をもとにしたバスシステム改善計画の形成 (2017 年 7 月~11 月) - ホーチミン UMRT1 号線との接続を踏まえた都市部におけるバスルートの再編検討 - バスシステム改善計画の形成 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了
1.9. 技術移転対象期間・職員の能力に掛かるベースライン調査の実施 (Work Item 6,7 および 8)	<ul style="list-style-type: none"> - ベースライン調査用質問票の設計 - カウンターパートを対象とした第 1 回ベースライン調査の実施 - トレーニング計画の準備 - 計測可能な指標と目標の設定 - 第 1 回本邦研修の計画および実行 (2015 年 9 月 14 日~19 日) - 第 2 回本邦研修の計画および実行 (2016 年 7 月 20 日~28 日) - カウンターパートチームを対象としたモニタリング調査の実施 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了 - 完了 - 完了 - 完了 - 完了



出典: JICA プロジェクトチーム

図 2.2.1: バス乗客インタビュー調査実施風景



出典: JICA プロジェクトチーム

図 2.2.2: 交通量カウント調査実施風景

2.2.1.2 成果 2: バスサービス品質改善方策とパイロットプロジェクトが実行される

成果 2 にかかる活動の結果を下表に記す。

表 2.2.2: 成果 2 の活動結果

活動・ワークアイテム No.	活動状況	結果
2.1. バスサービスレベル向上に向けた対応方針の検討 (Work Item 16)	<ul style="list-style-type: none"> - バスサービスレベル改善政策検討のための現状把握 - ベンカット (Ben Cat) バスターミナル現地調査 - IC カードシステム導入条件の検討 - ローカルバス会社とのパブリックミーティングの開催 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了 - 完了
2.2. パイロットプロジェクト路線における	<ul style="list-style-type: none"> - 交通行動調査結果を基に新規バスルート計画および運行計画の検討 (パイロット区間を対象とする) 	<ul style="list-style-type: none"> - 完了

活動・ワークアイテム No.	活動状況	結果
るバスの定時運行対策 (Work Item 17)	<ul style="list-style-type: none"> - バス乗客調査の結果分析 - バス時刻表の準備および運行マネジメントの仕組みの制定 - パイロットプロジェクトのバスルートの実施・評価 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了
2.3 パイロットプロジェクト路線におけるICカードシステムの導入と運営管理体制の設立 (Work Item 18)	<ul style="list-style-type: none"> - ベトナムにおけるICカード関係の技術指針のレビュー - ICカードシステムの仕様や必要機材、要件の検討 - ベトナムにおけるICカード関連法のレビュー - ICカードの他交通モードや他分野との相互運用性の検討 - 機材、システム開発（試作と検証を含む）の調達 - パイロットプロジェクトの実施と評価 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了 - 完了 - 完了 - 完了
2.4. バス運転手・乗務員の接客態度のモニタリング制度の導入 (Work Item 19)	<ul style="list-style-type: none"> - バス運転手・乗務員の接客態度のモニタリング制度の導入 - ローカルバス運行会社に対するヒアリング調査の実施 - 他バス会社への技術移転 	<ul style="list-style-type: none"> - 部分的に達成 (理由：他バス会社への技術移転は、運行システムの違いにより限定的であった) - 完了 - 完了
2.5.パイロットプロジェクト路線における交通安全対策の実施 (Work Item 20)	<ul style="list-style-type: none"> - バス会社と意見交換を行うパブリックミーティングの実施 - バスコリドー沿いの交通安全対策の設立 	<ul style="list-style-type: none"> - 部分的に達成 (理由：バス運行における交通安全は他の課題と比較して緊急性が低かったため、プロジェクトでは安全対策設立のための会議を行うに留めた)



出典: JICA プロジェクトチーム

図 2.2.3 ティエンハウ廟バス停 (改善前)



出典: JICA プロジェクトチーム

図 2.2.4 ティエンハウ廟バス停 (改善後)

2.2.1.3 成果 3: バス利用強化のモビリティ・マネジメント活動が策定され、関係機関や地域社会の協力のもと実行される

成果 3 にかかる活動の結果を下表に記す。

表 2.2.3: 成果 3 の活動結果

活動・ワークアイテム No.	活動状況	結果
3.1. モビリティ・マネジメント施策の導入に係る検討(Work Item 21)	<ul style="list-style-type: none"> - ターゲットグループの現在のトラベルパターンを検証する - モビリティ・マネジメントのマニュアルを作成する - 交通行動に関するアンケート調査の実施と分析 - アジア交通学会 (EASTS) への論文提出 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了 - 完了
3.2. コミュニケーション能力の改善 (Work item 23)	<ul style="list-style-type: none"> - カウンターパートを対象としたモビリティ・マネジメント基礎講座の実施 - モビリティ・マネジメントワークショップ開催のための技術トレーニングの実施 	<ul style="list-style-type: none"> - 完了 - 完了
3.3. 公共交通利用促進モビリティ・マネジメントの実施 (Work Item 22 and 24)	<ul style="list-style-type: none"> - 公共交通利用促進用ツールの作成 <ul style="list-style-type: none"> ✓ バスルートマップ案の作成 ✓ バス利用促進の立て看板、バナー、ラッピングバス - モビリティ・マネジメントアクティビティプランの作成 - 下記の調査結果の分析 <ul style="list-style-type: none"> ✓ 行政職員の通勤パターン調査 ✓ 工業団地の日本企業の通勤パターン調査 ✓ VSIP-II 内労働者への通勤実態インタビュー調査 - ベカメックスタワーおよび東急ベカメックスバス勤務者を対象としたアンケート調査 - ベトナムドイツ大学における EASTS-JSCE ジョイントセミナーの開催 - 行政職員を対象としたモビリティ・マネジメントワークショップの開催 (全 5 回実施) 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了 - 完了 - 完了 - 完了 - 完了 - 完了

活動・ワークアイテム No.	活動状況	結果
	<ul style="list-style-type: none"> - 大学生を対象としたモビリティ・マネジメント活動の実施 - トゥーダオモット市住民を対象としたモビリティ・マネジメント活動の実施 - 行政職員、地元住民、ベカメックスタワー勤務者および大学生を対象としたP&Rに関するアンケート調査および案内の配布 - トゥーダオモット市の小学校を対象としたモビリティ・マネジメント活動 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了
3.4.パークアンドライド促進のためのモビリティ・マネジメント (Work Item 25)	<ul style="list-style-type: none"> - P&R パイロットプロジェクト構想計画の作成 - P&R パイロットプロジェクト実施計画案の作成 - バス無料パスと駐車場料金システムの相互利用検討 - P&R パイロットプロジェクト用必要機材の調達準備 - P&R パーキングとバス IC カード相互利用のための新システム導入 - P&R パイロットプロジェクト用駐車設備の事前準備および建設 - P&R パイロットプロジェクトの実施 	<ul style="list-style-type: none"> - 完了 - 完了 - 完了 - 完了 - 完了 - 完了 - 完了



出典: JICA プロジェクトチーム

図 2.2.5: 地元住民向けトラベルプラン



出典: JICA プロジェクトチーム

図 2.2.6: ビンズオン省バスマップ



出典: JICA プロジェクトチーム

図 2.2.7: 交通局職員向けモビリティ・マネジメントワークショップ



出典: JICA プロジェクトチーム

図 2.2.8: VGU 大学での第 1 回モビリティ・マネジメントキャンペーン



出典: JICA プロジェクトチーム

図 2.2.9: 小学校でのモビリティ・マネジメント授業と交通ゲームの実施



出典: JICA プロジェクトチーム

図 2.2.10: 小学校でのバス体験講座

	
<p>P&R 利用者用駐車スペース</p>	<p>IC カードリーダーライター</p>
	
<p>IC カード</p>	<p>デジタルサイネージ</p>
	
<p>ポータブルフェンス</p>	<p>案内版</p>

出典: JICA プロジェクトチーム

図 2.2.11 ベカメックスタワーP&R 駐車場

2.2.2 プロジェクト目標と指標

2.2.2.1 成果 1

成果 1 の達成状況を下表に記す。

表 2.2.4: 評価指標とプロジェクト成果 (成果 1)

評価指標	ベースライン	プロジェクト終了時の状況
1.1. バスシステム改善計画の各活動が完了する	- なし (PT-MP, Decision No. 4291/QD-UBND, Dec. 24, 2014 のみ)	- バスシステムの改善に資する活動 (検討) が実施され、「バスシステム改善計画」が交通局により策定され、人民員会へ提出された。 - バス運賃政策及び補助金に関するワークショップが開催され、上述の計画の策定段階において関係部局とのコンセンサスが得られた。

出典: PDM 1.1

2.2.2.2 成果 2

成果 2 の達成状況を下表に記す。

表 2.2.5: 評価指標とプロジェクト成果 (成果 2)

評価指標	ベースライン	プロジェクト終了時の状況
2.1. バスサービスレベル向上に向けた対応方針が確立される	- なし (PT-MP, Decision No. 4291/QD-UBND, Dec. 24, 2014 のみ)	- バス利用者調査が実施され、利用者意見の聴取が行われた - ローカルバス会社とパブリックミーティングが開催され、バス会社の意見を計画に反映した - バス改善計画に路線計画やバス情報提供、バス乗務員への交通安全などが組み込まれた
2.2. パイロットプロジェクト路線におけるバスの定時運行対策が導入・改善される	- 1 路線 (ベカメックス東急バスによる Kaze Shuttle)	- 本プロジェクトで実施した調査の結果を受けて、6 路線に拡大された (ベカメックス東急バスによる Kaze Shuttle) - バス運行およびダイヤ改正が 2017 年 1 月に実施され、より利便性の高いサービスに改善された。

		- 行政センターへのバスの乗り入れ提案が受け入れられ、バス通勤の利便性が向上された
2.3. パイロットプロジェクト路線におけるICカードシステムが導入され、運営管理体制が確立される	- なし	- バスICカードシステムの仕様が作成された、2017年4月から定期ICカードが発行され、希望する利用者がICカードを購入できる環境が整備された - ICカードマニュアルが作成され、運営管理体制が確立された
2.4. バス運転手・乗務員の接客態度のモニタリング制度が導入され改善される	- なし	- バス運転手マニュアルが作成され、パイロット路線におけるバス運転手トレーニングが実施された - パイロット路線における乗務員訓練の方法が他事業者にも紹介され、接客態度向上に向けた取り組みがなされた
2.5. パイロットプロジェクト路線における交通安全対策が実施される	- なし	- バスルート沿いの交通事故多発地点に関するデータ、資料が収集され、交通安全対策について関係者間で協議が行われた - Thien Hau Temple バス停前を対象に交通安全対策（運行面と安全面の改善）が実施された

出典: PDM 1.1

2.2.2.3 成果 3

成果 3 の達成状況を下表に記す。

表 2.2.6: 評価指標とプロジェクト成果（成果 3）

評価指標	ベースライン	プロジェクト終了時の状況
3.1. MM 施策の導入が検討され、コミュニケーション能力が改善される	- 該当施策の実施経験なし	- モビリティ・マネジメント・パイロット活動プランが作成され、交通局職員及び関係者間で活動内容が理解された - ファシリテータートレーニングや講座が開催され、MM について理解が深まり、具的な活動が実施できるようになった

3.2. 公共交通利用促進のためMMが実施される	- なし	<ul style="list-style-type: none"> - 行政職員を対象としたモビリティ・マネジメントワークショップ（5回）、大学生を対象としたモビリティ・マネジメント活動、ビンズオン新都市沿線住民を対象としたモビリティ・マネジメント活動が開催された - 小学生を対象としたモビリティ・マネジメント活動が開催された - 上記の活動を通してバス利用者数及び利用者のバス利用頻度が増加した
3.3. パークアンドライド促進のためのMMが実施される	- なし	<ul style="list-style-type: none"> - P&R パイロットプロジェクト実行計画が作成され、P&R パイロットプロジェクトが3か所で実施された - パイロットプロジェクトを通じてその利便性が認知され、プロジェクト完了後も CP 側で継続実施されている

出典: PDM 1.1

2.2.2.4 プロジェクト目標の達成状況

PDM に記載のあるとおり、プロジェクト目標の達成状況は評価指標を用いながら判断される。

表 2.2.7: 評価指標と現況

評価指標	ベースライン	プロジェクト終了時の状況
<ul style="list-style-type: none"> - カウンターパートが JICA 専門家と協力しながら下記を作成・実行する <ul style="list-style-type: none"> ✓ バスシステム改善計画 ✓ パイロットプロジェクトおよびモビリティ・マネジメント活動 	- なし	<ul style="list-style-type: none"> - バスシステム改善計画が策定され、人民委員会へ提出された。バスの補助金確保に向けた行動が実行された。 - パイロットルートにおいてバス運行改善対策が実施され、路線数、運行本数、バス停位置等が見直され、利用者の利便性が向上されている。 - パイロットバスルートに IC カードシステムが導入され、パークアンドライドとの連携など更なる利便性向上に向けた取り組みがなされるようになった - バス運転手・乗務員の接客態度モニタリングシステムが導入され、バス会社の運転者教育がなされるようになった - バスコリドーにおける交通安全対策が検討され、具体的に 1 か所のバス停

評価指標	ベースライン	プロジェクト終了時の状況
		<p>(Thien Hau Temple 前) で施設が改良された</p> <ul style="list-style-type: none"> - モビリティ・マネジメントのターゲットが行政職員、大学生およびビンズオン新都市住民に特定され、ターゲットを対象としたモビリティ・マネジメント活動が実施された。アンケートの結果よりバス利用の頻度が増加するなど、利用者増に効果があったことが確認された - P&R パイロットプロジェクトが実施され、利用者によるその利便性が理解された - ベースライン調査が2回実施された(2015年および2017年)、公共交通改善の計画及び実施に必要な知識やノウハウの向上が確認された
- バスシステム改善計画が承認される	- なし	<ul style="list-style-type: none"> - 新しい助成金政策の合意形成のため、関係機関およびバス事業者を集めたワークショップを開催した。 - バスシステム改善計画が人民委員会へ提出・承認された(2018年7月)。

出典: PDM 1.1

本プロジェクト各指標に対して要求される知識および技術は下表に示す通りである。知識・技術のレベルを下記に示す5段階に分け、点数で示した。

- (1) 初心者. その意味や実施方法を知らない (1点)
- (2) 入門者. 意味や実施方法は知っているが、実施したことはない (2点)
- (3) ヤングエキスパート. 1度実施したことがある、しかしその結果を用いてレポートをまとめた、あるいはプレゼンテーションを行ったことはない (3点)
- (4) エキスパート. 2回以上実施したことがある。あるいは1度実施したことがあり、かつその結果を用いてレポート作成やプレゼンテーションを行ったことがある (4点)
- (5) シニアエキスパート. 2回以上実施したことがある、かつその結果を用いてレポート作成やプレゼンテーションを行ったことがある (5点)

表 2.2.8: アウトプット別および指標別の能力要素

成果	活動	要求される知識・技術	
(1) バスシステムの改善計画が準備される	1.1. 関連資料の収集とレビュー 1.2. 交通実態調査（交通量カウント調査、交通実態調査、バス運行・バス乗客調査、交通安全意識調査など）の実施 1.3. 交通調査結果に基づくビンズオン省交通マスタープランのレビューと公共交通の課題・問題点の特定	1.1.1	バス改善計画に向けた統計データの分析
		1.1.2	バス交通の課題を検討する
		1.1.3	交通調査の実施・分析
	1.4. 公共交通優先施策・交通需要抑制施策の評価、パイロットプロジェクトに関する政策課題の特定および効果的な事業フレームワークの形成 1.8. バス交通改善計画の準備	1.1.4	交通需要マネジメント（TDM）の知識
		1.1.5	公共交通施策の作成
	1.5. 将来の需要予測に基づいたバスネットワークの検討	1.1.6	バス路線の計画
		1.1.7	バス運行計画の作成
	1.6. バス運行計画と運賃制度の検討	1.1.8	料金政策の作成
		1.1.9	財政分析の実施
	1.7. 商業地区及び新都市における駐車場施策の評価	1.1.10	交通マネジメントの計画
		1.1.11	駐車場に関する課題検討
		1.1.12	駐車場政策評価の実施
(2) バスサービス品質改善方策とパイロットプロジェクトが実行される	2.1. バスサービスレベル向上に向けた対応方針の検討	2.1.1	乗客ニーズの分析
		2.1.2	バスサービスレベル改善計画
		2.1.3	改善計画の実施
	2.2. パイロットプロジェクト路線におけるバスの定時運行対策	2.2.1	バス運行計画の作成
		2.2.2	バス運行タイムテーブルの作成
		2.2.3	バス運行マネジメント計画の実施
	2.3. パイロットプロジェクト路線におけるICカードシステム導入、運営管理体制の設立	2.3.1	ベカメックス東急バスに導入されているICカードシステムを知っていますか？
		2.3.2	ICカードシステム導入計画
		2.3.3	ICカードデータの分析
		2.3.4	ICカード関連法に関する知識
	2.4. バス運転手・乗務員の接客態度のモニタリング制度の導入	2.4.1	現在のバス運転手・乗務員のサービスレベルに関する課題
		2.4.2	バス運転手・乗務員へのマニュアル・ガイドラインの作成
		2.4.3	取組評価
	2.5. パイロットプロジェクト路線における交通安全対策の実施	2.5.1	現在のパイロットプロジェクト路線における交通安全上の課題特定
		2.5.2	交通安全対策の知識

成果	活動	要求される知識・技術	
		2.5.3	交通安全啓発キャンペーンの実施
(3) バス利用強化のモビリティ・マネジメント（MM）活動が策定され、関係機関や地域社会の協力のもと実行される。	3.1. モビリティ・マネジメントの導入にかかる政策の検討	3.1.1	モビリティ・マネジメントに関する知識
		3.1.2	モビリティ・マネジメント政策の作成
		3.1.3	公共交通利用促進を促す市民へのコミュニケーション
	3.2. コミュニケーション技能の改善	3.2.1	モビリティ・マネジメントの計画、実施
		3.2.2	ステークホルダー間のコンセンサス形成
		3.2.3	モビリティ・マネジメント活動の分析および評価
	3.3. 関連企業や地域社会に向けた公共交通促進にかかるモビリティ・マネジメント活動の検討・実行ならびに関連企業によるバス定期券手当の導入	3.3.1	P&R の知識
		3.3.2	社会実験の実施
	3.4. バス利用者に対するパークアンドライド施策促進のためのモビリティ・マネジメント	3.3.2	社会実験の実施
		3.3.3	社会実験の評価・分析

カウンターパートの現状の知識・技術を確認するため、2015年6月に第1回ベースライン調査を実施した。その後、プロジェクトの成果を確認するために、2017年7月にモニタリング調査を行った。各回におけるカウンターパートの平均スコアを下表にまとめた。成果1～3に対応する能力スコアは、プロジェクト開始時でそれぞれ3.15、2.77、2.22であった。プロジェクト終了時には、3.65、3.14および3.05に上昇した。この結果はプロジェクトの評価に用いた（詳細はPart 3 3.1.2 有効性を参照）

表 2.2.9: カウンターパートの平均スコア

調査日	要求される知識・技術		
	成果1	成果2	成果3
ベースライン調査 (2015年6月)	3.15	2.77	2.22
モニタリング調査 (2017年7月)	3.63	3.14	3.05

2.3 PDM および PO の変更

2.3.1 リスクの変化と軽減

3つのP&R候補地に対して、JICAプロジェクトチームとDOTはベカメックスタワーとLe Thi Trung通りの2か所からP&Rパイロットプロジェクトを実施した。

ビンズオン省図書館に隣接したP&R候補地は、土地利用変更及び土木工事が遅れ、運用開始は2018年3月となった。

JICAプロジェクトチームは、DOTが関係機関と連携し、プロジェクト終了後もP&Rを継続することを確認した。

2.3.2 ビンズオン省人民委員会の対応

2017年6月16日、ビンズオン省人民委員会は、ベカメックスIDCに対して、ビンズオン省図書館P&Rの土地利用を承認した。

2.3.3 変更結果

ビンズオン省図書館P&Rの準備遅延のため、本プロジェクト期間は5ヶ月延長された。

2.4 その他

2.4.1 社会環境配慮

該当なし。

2.4.2 ジェンダー・平和構築・貧困削減

該当なし。

Part 3. ジョイントレビュー結果

3.1 DAC 評価 5 項目についてのジョイントレビュー結果

本案件実施結果を、経済協力開発機構（OECD）開発援助委員会（DAC）による DAC 評価 5 項目¹（妥当性、有効性、効率性、インパクト、持続性）（下表参照）を用い、プロジェクトチームとビンズオン省 DOT とで共同でレビューを実施した。その結果を以下にまとめる。

表 3.1.1: JICA プロジェクト評価項目

評価項目	定義
1. 妥当性（現地ニーズ、政策との関連性）	「プロジェクト目標」「上位目標」は政府・実施機関・ターゲットグループの政策・ニーズと合致しているか
2. 有効性（プロジェクト目標の達成度）	「アウトプット」によって「プロジェクト目標」がどこまで達成されたか
3. 効率性	「投入」が「アウトプット」にどのようにどれだけ転換されたか。投入の質、量、手段、方法、時期は適切か
4. インパクト	プロジェクトが実施されたことにより生ずる直接的、間接的な正負の影響。計画当初に予想されなかった影響や効果も含む
5. 持続性	JICA の協力終了後もプロジェクト実施による（1）政策と制度（2）組織（3）財政（4）技術レベルの 4 点における効果が持続されるか

3.1.1 妥当性

下記に述べる理由により、妥当性は「非常に高い」と判断した。

本プロジェクトは 2013 年にビンズオン省人民委員会によって承認されたビンズオン省の都市開発 MP、都市交通 MP、公共交通 MP の効果的な実現に関与するものである。これらマスタープランの実現に大きく寄与するものとして、効率的で一体的に統合された公共交通システムの開発が挙げられる。本プロジェクトによるバスシステム改善計画の準備、パイロットプロジェクトの実施およびモビリティ・マネジメントの準備および実施は、一体的な計画の達成に大きく資するものである。

さらに、本プロジェクトは原則として DOT 主導のもと進められた。DOT は省の交通政策およびガイドラインを整備し、省レベルや地元レベルでの一体的交通システムの実現を目指した。

¹ DAC Criteria for Evaluating Development Assistance :

<http://www.oecd.org/dac/evaluation/daccriteriaforevaluatingdevelopmentassistance.htm>

本プロジェクトはビンズオン省の政策に一致したものであり、ビンズオン省に対する交通インフラ整備分野における日本のODA支援の方針とも一致している。

3.1.2 有効性（プロジェクト目標の達成度）

本プロジェクトの目標は、公共交通システムの整備に必要な政策作成と実行に関する組織能力が強化されることである。本プロジェクトの有効性は、以下に述べる理由により「非常に高い」と評価する。

カウンターパートとの協議の結果、本プロジェクトの重要な成果は、バスサービス改善計画（補助金政策を含む）の策定と、一連のパイロットプロジェクトを実施できた点であることを確認した。ベトナムで初めてモビリティ・マネジメントや、スマートカードシステムによるパーク&ライド（P&R）といったパイロットプロジェクトが実施された。これらの経験はビンズオン省および周辺地域の公共交通計画の改善に広く貢献するだろう。また、これらの事業は今後ベトナム全土において公共交通の近代化モデルとなることが期待される。

本邦研修はプロジェクト開始1年目および2年目に各1回、合計2回実施された。本邦研修による視察や講義を経て習得された知識は、パイロットプロジェクトの実施に役立てられた。

また、公共交通計画に関するカウンターパートの知識・技能について、下表に示すとおりベースライン調査及びモニタリング調査を実施し、いずれのアウトプットも数値が上昇していることを確認した。

- 成果1公共交通計画については、5段階で3.15とベースライン調査時で中間値である3を超えた状況であったが、それが3.63まで上昇した
- 2のバスサービス改善策、3のモビリティ・マネジメントについては、過去ビンズオン省では取り組んだことがない内容であったことから、ベースライン調査の値は、3を下回る結果であり、特にモビリティ・マネジメントについては、2.22と低かった。これに対して、本プロジェクトにて、様々なパイロットプロジェクトを現場で展開することで、モニタリング調査時の結果は3を超え、カウンターパートの知識と能力が向上したことが確認できた。

表 3.1.2: 各アウトプットに対する平均点

期間	1：バスシステム改善計画の知識・技能	2：バスサービス改善策の知識・技能	3：モビリティ・マネジメントの知識・技能
プロジェクト開始時 (2015年6月)	3.15	2.77	2.22
第1回モニタリング (2017年7月)	3.63	3.14	3.05

図 3.1.1: 成果 1 (バスシステム改善計画) に必要な知識・技能



図 3.1.2: 成果 2 (バスサービス改善策) に必要な知識・技能

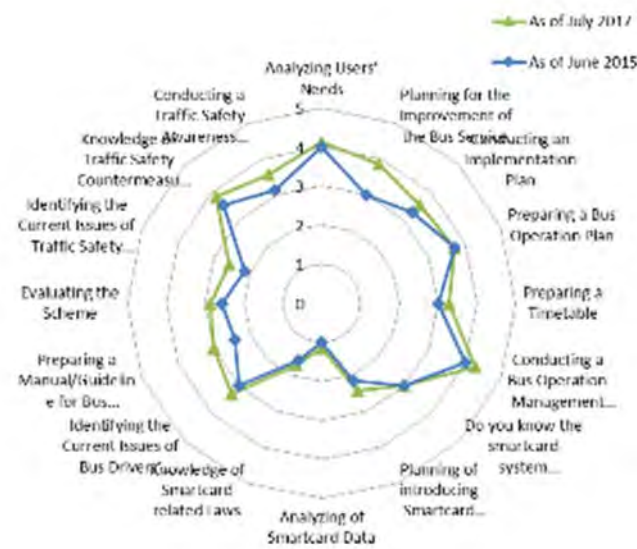


図 3.1.3: 成果 3 (モビリティ・マネジメント) に必要な知識・技術



3.1.3 効率性

プロジェクトの効率性は、以下に述べる理由により「高い」と評価する。

Part2 プロジェクト成果の「1.プロジェクト成果」に記載のとおり、日本側およびベトナム側双方からのインプットは当初予定通り完了し、プロジェクト目標を達成した。また、日本側からの機材供与状況については、Part2 「1.1.3 供与機材」の項目に示すとおりである。

本プロジェクトへの常勤カウンターパートの配置については、DOT は第 5 回 JCC において、中央政府によって人員の増加が認められないため、難しいということを説明した。JICA ミッションはこの説明を了承した。他方で、DOT 局長および副局長はプロジェクトの活動に積極的に参加し、JICA プロジェクトチームと定期的に緊密なコミュニケーションをとった。

各アウトプットに対する達成度は、以下の通りである。

- 成果 1（バスシステム改善計画）：予定通りバスシステム改善計画が策定され、DOT は既に当該計画を人民委員会へ提出している。また、計画の策定過程で関係部局を交えたワークショップが開催され、関係部局とのコンセンサスを得ながら DOT 主体で活動が実施された。現在、本計画の承認に向け、DOT は人民委員会に継続して働きかけを行っているところである。計画の承認は、バス事業に対する補助の確保であり、本プロジェクトの上位目標達成に大きく貢献するものである。
- 成果 2（バスサービス改善策）：ほぼ当初予定通り各種社会実験を実施した。IC カードについては、P&R パイロットプロジェクトとの連携も行うなど、予定を上回る活動も行なうなど、現地での関係者協議を踏まえて積極的に各種の取り組みを展開してきた。IC カードのシステム連携や P&R の手続きなど、一部で当初スケジュールよりも時間を要した活動もあったが、延長されたプロジェクト期間内で実施された。
- 成果 3（モビリティ・マネジメント）：モビリティ・マネジメントに関する一連のパイロットプロジェクトを完了した。P&R パイロットプロジェクトの実施に関しては、必要な準備や手続きが当初想定よりも複雑であり、遅れが生じた。特に、ビンズオン図書館横の場所では、土地利用と土地所有の変更が生じたため、プロジェクト期間を 5 カ月延長して対応した。また、延長期間においては、単に遅れていた P&R を実施するのみにとどまらず、P&R 施設での IC カード優遇策、小学校でのモビリティ・マネジメント活動等を追加で実施してきた。

3.1.4 インパクト

下記の理由によりプロジェクトの目的を「高い」と判断する。

DOT はバスシステム改善計画を省人民委員会の承認を得るために提出した。DOT は昨年後半より、公共交通機関の補助金政策の再構築を実現するため、Luan 局長を先頭に、省人民委員会へ継続的に説明・協議を行っている。一度打ち切った補助金の復活は大きなチャレンジであるが、非常に建設的な取組である。この立案・説得に必要な公共交通計画の技術や知識は JICA プロジェクトチームからプロジェクト参加者へ移転されたものである。

更に、このプロジェクトのもう一つの効果は、一連のパイロットプロジェクトに参加したカウンターパートメンバー間で、協力関係を構築できた点であった。本プロジェクトで移転された技術や知識は、将来も継続して受け継がれていくことが期待できる。

なお、環境面、社会面での本プロジェクトの悪影響は報告されていない。

3.1.5 持続性

持続性については、プロジェクト終了時には評価しないことになっているが、カウンターパートと JICA プロジェクトチームの現時点での見解を以下にまとめた。

3.1.5.1 政策と制度面

DOT は、プロジェクト終了後も、公共交通の改善に資する活動を継続する。したがって、本プロジェクト目標である公共交通計画能力の強化は、人民委員会及び関連機関によって継続的に支持されていくものである。政策立案や制度的支援の面でのプロジェクトの持続可能性は高いと考えられる。

3.1.5.2 組織的側面

公共輸送改善計画の準備や、バスサービス改善のための一連のパイロットプロジェクトなど、主な活動は、プロジェクトのカウンターパートによって実施された。これらの活動は、プロジェクト終了後も継続実施の必要があり、DOT の局長及び副局長との協議では、DOT のリーダーシップの下、公共交通局および MOCPT と共に、継続実施することを確認した。

具体的なアクションとして、バスサービスの改善対策とバス利用の促進を継続し、拡大するために、交通部門からだけでなく、地元の学校、住民、青年団などからの参加が必要である。関連組織を巻き込んだ活動実施においても、バスサービス改善計画の承認が不可欠である。

一方、持続発展性を妨げる外部要因として、中央政府の決定（2015 年 12 月 10 日 Decision No. 2218 / GA-TTg）があり、DOT はスタッフ数を増やすことができない状況である。

3.1.5.3 財務面

DOT は提案したバス改善計画に予算を確保するよう、プロジェクト期間中、人民委員会及び関係部局と継続協議を行ってきた。予算が承認された場合、プロジェクトの財政的持続可能性は高いといえることができる。

3.1.5.4 技術的側面

カウンターパートの技術的能力に関しては、公共交通計画を策定するための知識とスキルが、上述の通り改善されていることを確認した。しかし、プロジェクト終了後も、カウンターパートはプロジェクトで学んだ知識、スキルを継続的に活用しなければならない。

3.2 プロジェクトの実施・成果に影響を与えた主な要因

以下の要因がプロジェクト実施に影響を与えた。

- カウンターパートの配置：第3回JCCにおいて、JICAは、常勤のカウンターパートが配置されていないために、カウンターパートのプロジェクト活動への参加が限定的であると指摘した。これに対し、DOTは、中央政府の決定（2015年12月10日 Decision No. 2218 / GA-TTg）により人員の増加が認められていないことを説明した。
- P&Rパイロットプロジェクト：第5回JCCにおいて、JICAミッションは、ベカメックスタワー前のパイロットプロジェクトが順調に実施されていることを確認した。一方、残り2箇所のパイロットプロジェクト予定地については、JICAミッションはDOTに対して、関連機関に対してプロジェクトの準備手続きを早めることを要請するよう依頼した。

3.3 プロジェクトのリスクマネジメントに対する結果評価

上記2つの要因に対し、DOTは以下の様に対応を行った。

- カウンターパートの配置：第4回JCCで議論されたとおり、JICAミッションは常勤スタッフを本プロジェクトに配置することが難しい状況を理解し、DOTがパートタイムのスタッフをプロジェクトに配置し、定期的にJICAプロジェクトチームと活動を行うよう努めていることを高く評価した。さらに、DOT局長および副局長は積極的にプロジェクト活動に参加し、JICAプロジェクトチームと緊密なコミュニケーションを図った。
- P&Rパイロットプロジェクト：DOTは関連機関と連絡を取り、パイロットプロジェクトを始めるための必要な手続きを早めるよう要請を行った。最終的には、3箇所すべてでP&Rを実施することができた。

3.4 プロジェクトから得られた知見

本プロジェクトの実施から、以下の知見が得られた。

- 様々なパイロットプロジェクトの実施：本プロジェクトにて、バスのサービスレベルを改善させるために、日本の経験をもとに、以下のパイロットプロジェクトを実施した。
 - バスの定時運行への対策（時刻表に基づくバス運行）
 - バスICカードシステムの導入
 - バス運行会社および乗務員の顧客サービス態度モニタリング制度
 - ICカードシステムと統合したパークアンドライドシステム
- モビリティ・マネジメントへの取組み：モビリティ・マネジメントはヨーロッパ各国、オーストラリア、日本において、車利用を減らすことに貢献している。しかしながら、発展途上国においては、政策決定者や交通計画担当者には、これまであまり注意を払われてこなかった。本プロジェクトによるモビリティ・マネジメント活動は、ASEAN諸国において、私的交通から公共交通への転換に、モビリティ・マネジメントがどう影響するのかを調査する最初の事例となった。このため、JICAおよびJICAプロジェクトチームは、モビリティ・マネジメント研究の第一人者である谷口綾子准教授（筑波大学）を招き、全面的な協力を得て実施した。プロジェクト開始時には、モビリティ・マネジメントの概念につ

いて、関係者がきちんと理解できるよう、1年次の本邦研修にて谷口准教授による講義を実施した。

- 一連の座学による講義やファシリテーターのトレーニングを経て、4種類のモビリティ・マネジメントプログラムが実施された。①行政職員の通勤行動、②学生の通学行動、③沿線住民のバス利用、④沿線小学校でのバスの乗り方教室等々、当初想定された対象者すべてに対する個別のプログラムを検討し、実施した。BTBのバス利用者数及びアンケート結果よりバスの利用頻度が向上したことが確認され、ビンズオン省において、これら各種モビリティ・マネジメント活動の実施が、公共交通の利用促進に効果があったことが確認できた。
- まとめると、モビリティ・マネジメントは、ビンズオン省の人々に公共交通を使うモチベーションを高めるといって、効果的な対策のひとつであると思われる。しかしながら、ソフト的な対策は、私的交通を使う習慣を固持するような人々に対してはあまり効果的ではない可能性がある。そのため、より効果的で、継続的に望ましい結果を得られるようなモビリティ・マネジメントプログラムを実施するためには、更なる調査研究が必要である。
- JICAプロジェクトでの更なるモビリティ・マネジメントの研究および活動は、公共交通発展に資するものになることが期待される。

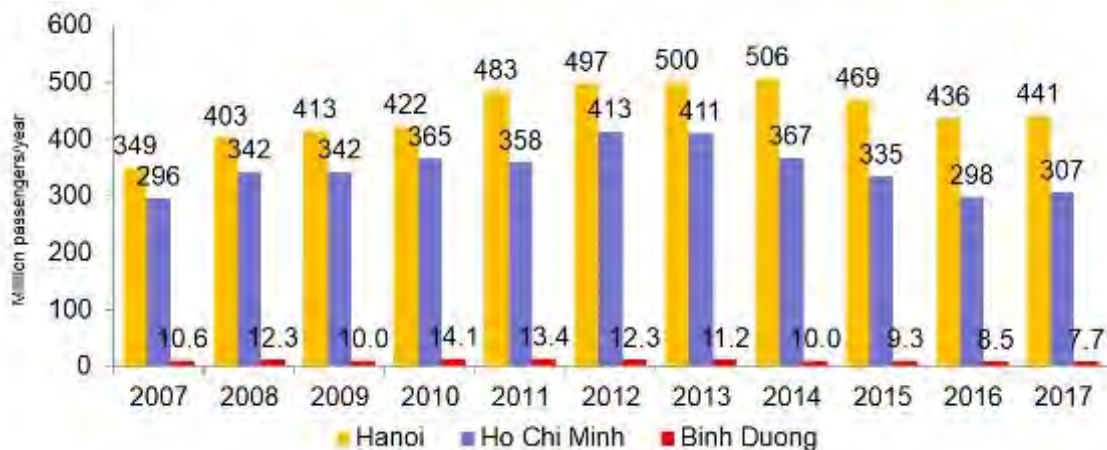
上記の活動はバスや都市鉄道に取り組む他 JICA プロジェクトが参照できる成功事例となり得る。

Part 4. 上位目標達成に向けた提言

4.1 上位目標達成の見込み

本プロジェクトの上位目標は「対象地域におけるモーダルシフトが促進される」ことであり、その指標は「公共交通の利用者が増加する」こととなっている。図 4.1.1 はハノイ市、ホーチミン市およびビンズオン省におけるバス乗客数の推移である。ベトナムの都市部のバス乗客数は、経済発展と共に過去（2000 年代）に増加していたものの、近年、オートバイや自動車利用に押され、特に 2016 年頃から減少傾向にある。ホーチミン市では、バス乗車率はピーク（2012 年）で 4 億 1300 万人の乗客がいたが、2016 年には 2 億 9800 万人に急落した。その後 2017 年は、前年に比べわずかに上昇した。この背景には、バス車両入れ替えを含む公共交通改善政策が大きく貢献している。一方、ビンズオン省では 2010 年（1400 万人）から 2017 年（800 万人）まで減少し続けている。ハノイ市やホーチミン市の事例を鑑みると、ビンズオン省のバス交通にも十分な補助金を含む公共交通改善の実施が上位目標達成に不可欠であると言える。

図 4.1.1: ベトナムにおけるバス乗客数の推移



出典: MOCPT in Hanoi, HCMC, and Binh Duong

4.2 ベトナム側の上位目標達成に向けた取り組み

プロジェクトによるトレーニング、本邦研修および JICA プロジェクトチームとの日常業務を通じて、DOT は公共交通への補助金が、公共交通の発展や利用推進のために必要であることを理解した。プロジェクト 2 年目の 2017 年、DOT はバスへの補助金を含むバスサービス改善計画を策定し、人民委員会に提出した。

2017 年 11 月 6 日、Mr. Tran Thanh Liem が議長を務めるビンズオン省人民委員会の会議において、DOT はバス改善計画について説明を行った。会議後、人民委員会委員長は、文書 (No.177/TT-UNBD) で下記の指示を出した。

“2003年の公共交通システム計画の開始から、バスを中心とした公共交通に対して援助・補助金政策が実施されてきた。その結果、バスを中心とした公共交通は急速に発展し、公共交通利用の習慣を作り出すことに貢献し、良好な交通状況を社会人や学生達に適正な価格で提供してきた。最も多いときで14,000人/日の乗客が利用していたが、現在は8,000人/日になっている。

2013年から、バス補助金を一時的に廃止し、結果として運賃の上昇を招き、バスの新規路線開拓の困難が生じた。ビンズオン省には27路線のバスしかなく、バス車両は新しく更新されることなく老朽化している。

今回、DOTがバス補助金や新規車両購入への投資援助を含んだ公共交通計画を提出するのはむしろ遅いくらいである。しかしながら、他省では巨額の補助金や車両入れ替えの計画が提案されてきている一方で、ビンズオン省から提出された計画には、新規車両への援助や公共交通マネジメントの強化についてあまり強く提案されていない。

よりよい実施のために、DOTは他関連機関と協力しながら、以下の項目を含む2020年を目標年次とするバス改善計画を作成すること。

- ・路線毎に異なる補助金、新規車両購入のためのソフトローン。環境に配慮した車両投資については、金利優遇を行うなど。
- ・バス運行管理の効率化、インフラの改善、先進技術、ITを用いたバス管理、住民への情報提供や、より利便性の高い公共交通へのアクセスによって、公共交通利用の利用習慣を生み出す。

人民委員会委員長のコメントは各部局および関連機関に周知された。

コメントを受けて、DOTは修正改善計画を人民委員会に提出し、2018年3月8日の会議では関係機関からの援助を取り付けることを確認した。人民委員会副委員長は、2018年3月12日付けの文書(No.48/TT-UNBD)で下記のコメントを出した。

- ・改善計画は私的交通の利用削減に貢献し、省の考える文化的な都市生活を創出するものであるため、実施する必要がある。
- ・改善計画に説得力を持たせるため、指標に乗客数を用いるだけでなく、DOTは下記の項目についても評価を行うべきである。
 - ▶ 補助金の期間は、乗客数が増加し、定時運行とともに、バス車両の質も向上する。
 - ▶ 補助金がない期間は、バス料金は他省より高くなり、結果としてバス乗客数が減少する。バス車両のための投資が不足することによる質の低下と、不適切な運行により車両故障が生じ、更なる乗客の減少を招く。
- ・DOTは既存のバス路線についても、運行状況(バス車両台数、バス毎の乗車人数、運行間隔、運行本数など)を評価し、よりよいサービスを確保するために必要車両台数や補助金のレベルなど補助金スキームについて検討すべきである。

DOT はすでに会議で関連機関からのコメントを踏まえて計画を修正し、人民委員会に計画の承認を要求している。その後、人民委員会は 2018 年 5 月 24 日に会議を行い、計画の最終化及び正式承認に向けた取り組みを続けている。

4.3 ベトナム側への提言

上位目標を達成するため、JICA プロジェクトチームは、プロジェクト終了後に以下の行動を行うことを推奨した。DOT は基本的に以下の内容に合意した。

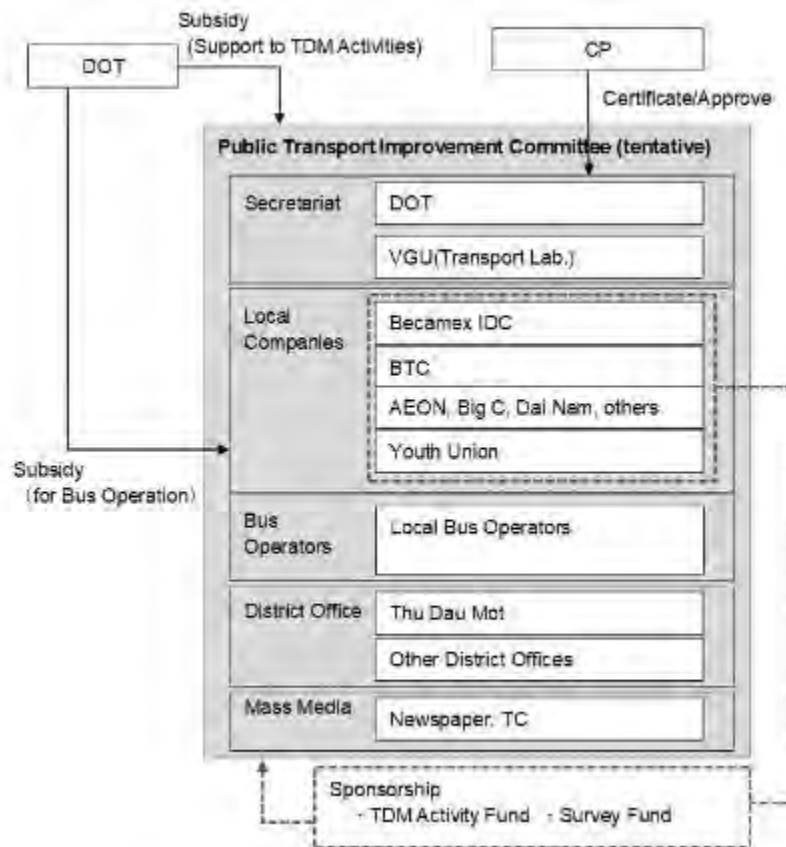
- ・ バスサービス改善計画の承認と実行：バスサービス改善を実施するための十分な施策は、財政的援助を伴って実施される。
- ・ ローカルバスサービスの改善：表 4.3.1 にローカルバスのサービス改善に必要不可欠となる対策をまとめた。本プロジェクトの成果はこれらの対策が実施されることを前提として機能する。DOT はプロジェクト終了後、これらの活動を実施することを確認した。

表 4.3.1: バスサービス改善に必要な対策

No.	対策	予算			
		2018	2019	2020	合計
1	2018-2020 年期のバス車両購入に対するソフトローン (既存バス路線 116 台、新規バス路線 19 台)	195,920	-	-	195,920
2	新 CNG バス車両に対する金利補助 (7 年間)				71,576
3	バス定期券に対する補助	269	272	274	816
4	バス利用者に対する補助	21,158.3	23,082	25,005	69,245
5	公共交通関連インフラ対策 (バス停、レーンマーキング、サインボード等)	16,305	10,613	10,628	37,546
6	バスターミナル施設使用料に対する補助	649	680	711	2,039
7	新規 3 バス路線に対する運行補助	7,368	7,368	7,368	22,104
8	私的交通利用の抑制、交通習慣変容のためのモビリティマネジメント活動の実施	90	50	50	190

- ・ バス利用促進：DOT および関連機関は本プロジェクトによって得た経験をもとに、モビリティ・マネジメント活動を継続すべきである。活動の継続のためには、関係機関から、より広い層の参加者が必要とされる。DOT および JICA プロジェクトチームはすでに組織図案について下図のとおり検討を行った。

図 4.3.1: モビリティ・マネジメント活動組織図 (案)



出典: JICA プロジェクトチーム

- ・ その他：IC カードシステムおよび P&R システムはプロジェクト終了後も活用される予定である。IC カードシステムは DOT に供与され、DOT はベカメックス東急バス（BTB）へ機材を貸与し、サービスを継続することになる。P&R システムについては、ベカメックス東急バス（BTB）とベカメックス IDC がパイロットプロジェクト 3 箇所についてサービスを続ける予定である。

4.4 プロジェクト終了時から事後評価期間までのモニタリング計画

JICA は ODA 案件においては終了時評価を実施し、国際基準（DAC 評価指標）に基づいて、それぞれのプロジェクトについて妥当性、有効性、効率性、インパクト、持続性を評価している。これらの評価結果については、本報告書の Part3 に記載されており、事後評価で再び評価されることになる。一般的に、事後評価はプロジェクトが終了した 2 年後に実施される。

本プロジェクトにおいても事後評価が実施される。JICA は、事後評価が始まるまでの間、以下に挙げるプロジェクトの成果について、定期的にモニタリングを行う。

- ・ バスサービス改善計画（バス運行の補助金およびバス車両更新のソフトローンを含む）の進捗
- ・ DOT のバス改善活動およびビンズオン省のバス乗客数

技術的な課題が発生した場合（特に IC カードシステム）、JICA と DOT は解決に向けて協議を行う。

Appendix 1: Project Monitoring Sheet

PROJECT MONITORING SHEET

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province

Version of the Sheet: Ver. 6 (Term: March 2015 - April 2018)

Name: Mr. Michimasa TAKAGI / Mr. Yosui SEKI

Title: Chief Advisor/ Public Transport Policy /Vice Chief Advisor/ Urban Transport Planning

Submission Date: January 2018

I. Summary

1 Progress

This monitoring sheet covers the period from project commencement in **April 2015** up to **December 2017**.

1.1 Progress of Inputs

1.1.1 Experts

At project start, the expert team inclusive of eleven (11) positions was dispatched to Binh Duong Province and conducted project activities. By the end of December, the JICA Project Team (JPT) already spent 44.76 person-months (PMs), accounting for 89.5 % of the planned number of person-months at the end of third contract year between JICA and the Japanese consultants.

Table 1: Input of Experts as of End-December 2017

Designation	Name	No. of PMs
Chief Advisor/ Public Transport Policy	M. TAKAGI	7.93
Vice Chief Advisor/ Urban Transport Planning	Y. SEKI	8.23
Traffic Demand Analysis	T. ODA	1.00

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Traffic Management/ TDM/ Traffic Safety	K. NISHINO	5.00
Bus Operation Planning	K. TAKATA	0.80
Bus Operation Planning 2	M. SHIINO	2.77
Bus Operation Management	M. TAKATA	10.43
Bus-related Facility Planning	S. IMADA	0.50
Mobility Management	T. FUKUDA	3.00
Public Involvement/ Publicity Planning	M. KOJIMA	1.97
Public Involvement/ Publicity Planning 2	M. OHNO	2.63
Pilot Project Implementation	H. EGUCHI	1.33
Legal System for IC card	K. HONDA	2.00
	TOTAL PMs	44.76 (89.5%)
	Planned PMs	50.00

1.2 Progress of Activities

1.2.1 Joint Coordinating Committee and Working Group Meetings

Four Joint Coordinating Committee (JCC) meetings and several working group (WG) meetings were held during the period.

Table 2: Joint Coordinating Committee and Working Group Meetings

Meetings Conducted	Participated Agency	Key Agenda	Date
First JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Work plan Presentation about Public Transport Situation and Issues in Binh Duong Revision of M/D	12th, May 2015
WG for Activity 1	DOT, MOCPT, JICA Project Team	Discussion about the WP of the Output 1	20th May 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Concept of MM Proposed activities & plan	17th June 2015
WG for Activity 1	DOT, MOCPT, JICA Project Team	Explain about the traffic survey & interview survey plan & contents by the contractor	17th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the WP of the Output 2 Sharing information about the public transport in Binh Duong Province	19th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the WP of the Output 2 Discussion about the public transport condition and management in Binh Duong Province	25th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the public transport condition and management in Binh Duong Province (continuously discussion and confirmation)	3rd July 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Discussion about travel feedback program (TFP) and Facilitator Skill Handbook	17th July 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Progress of traffic survey (traffic count & interview survey) Preliminary results of administrative staff survey Outline & concept of Smart Card Pilot Project Supporting policies for the PT development	7th August 2015
General meeting with DOT Director	DOT, JICA Project Team	Reporting about the project progress - Confirmation about the training in Japan	12 August 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Preliminary Result of Travel Behavior Survey for Administrative Officer in Binh Duong New City Preliminary Result of Commuter Survey for Company in Industrial Park Discussion on Scope of Work of Parking Survey Discussion on Counter Part Fund	12 August 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Confirmation about the contents of supporting policies for promotion of PT	25 August 2015
General meeting with Dr. Taniguchi	Dr. Taniguchi, DOT, DOF, DPI, MOPT, DOC, MOCPT, Becamex IDC, JICA HQ, JICA Project Team, Tokyu Cor.	Discussion on Current Public Transportation in Binh Duong Discussion on Contents of Training in Japan	27 August 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Discussion on MM Activities	30 September 2015

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Meetings Conducted	Participated Agency	Key Agenda	Date
General meeting with DOT Director	DOT, JICA Project Team	Discussion on Activity Plan of MM Confirmation about the contents on Joint Seminar	2 October 2015
WG for Activity 3	DOT, JICA Project Team	Small Workshop related Daily Travel Behavior targeting Administrative Officers	22 October 2015
General meeting with DOT Director	DOT, MOCPT, JICA Project Team	Confirmation about the contents on 2nd JCC Confirmation about the procedures for Joint Seminar	Nov. 18 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Discussion on Bus Priority Measures and TDM Measures Analyzing the Change in Mode Share based on the Travel Behavior Survey for Administrative Officer Introduction of Smartcard System	Nov. 18 2015
General meeting with DOT Director	DOT, JICA Project Team	Confirmation about Joint Seminar Materials	Nov. 25 2015
Joint Seminar	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Bus Companies, persons from Universities and others	Measures for Public Transport Development in Medium Cities in Vietnam + Public Transport Policy Measures and TDM + Public Transport Policy in Vietnam + Others	1 Dec 2015
WG for Activity 1&3	DOT, MOCPT, JICA Project Team	Discussion on TDM measures (Staggered Working and P&R) Confirmation about the target/goal on MM Activity Discussion on Future Traffic Demand	3 Dec. 2015
Meeting with DOT Director	DOT, JICA Project Team	Discussion on Draft Minute of Meeting on 2nd JCC	4 Dec. 2015
2nd JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Progress Report	7 Dec. 2015
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on MM Pilot Activity on New Kaze Shuttle Route Use	8 Dec. 2015
Meeting with DOT Director	DOT and JICA Project Team	Confirmation about the Contents on MM Pilot Activity	15 Jan. 2016
Survey at VGU	VGU Students and JICA Project Team	MM Questionnaire Survey targeting VGU Students	18 & 19 Jan. 2016
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on MM Activity and PR Contents Investigation on P&R Sites	21 Jan. 2016
Meeting with MOCPT in HCMC	MOCPT in HCMC and JICA Project Team	Discussion on Smart Phone Application for Information Provision	22 Jan. 2016
Meeting with VGU Students	VGU Students and JICA Project Team	Confirmation about MM Activity Implementation Plan	2 Mar. 2016
WG for Activity 2&3	DOT, MOCPT and JICA Project Team	Site Visit to New Bus Terminal (Hikari Bus Terminal) Confirmation about MM Activity Implementation Plan	4 Mar. 2016
Opening Ceremony of New Bus Routes	DOT, MOCPT and JICA Project Team	Attend to Opening Ceremony of New Bus Routes	8 Mar. 2016
Meeting with DOT Director	DOT and JICA Project Team	Confirmation about MM Activity Implementation Plan	8 Mar. 2016
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on Contents on MM Workshop	11 Mar. 2016

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Meetings Conducted	Participated Agency	Key Agenda	Date
Facilitator Training on MM Workshop	VGU Students and JICA Project Team	Orientation and Facilitator Training to Organize MM Workshop	11 Mar. 2016
Meeting with DOT Director	DOT and JICA Project Team	Progress Report and Discussion	16 Mar. 2016
Preparatory Meeting on MM Workshop	VGU Students and JICA Project Team	Making Materials Confirmation of Workshop procedure	16 Mar. 2016
WG for Activity 1	DOT, MOCPT and JICA Project Team	Discussion on TDM measures	18 Mar. 2016
Lecture on MM by Dr. Taniguchi	DOT, MOCPT, VGU Students, Bus companies and JICA Project Team	Keynote Lecture on MM + Motorization and Issues + Social Dilemma on Transport Sector + Definition of Mobility Management + Mobility Management Activity in Japan + Applicability to Vietnam	21 Mar. 2016
1st MM Workshop	DOT, MOCPT, Bus Companies, Officer related Transport Sector and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	22 Mar. 2016
Meeting with DOT Director	DOT, JICA Project Team	Confirmation of Progress MM Workshop Result Required Procedure on Training in Japan & MM Workshop	25 Mar. 2016
Site Observation	Becamex and JICA Project Team	Site Observation on P&R Pilot Project Candidate Site	28 Mar. 2016
Meeting with DOT Director	DOT, JICA Project Team	Confirmation of Progress Required Procedure on MM Workshop	14 Apr. 2016
WG for Activity 2	DOT, MOCPT, JICA Project Team	Schedule & Overall Structure on Smartcard Pilot Project	14 Apr. 2016
Meeting with VGU	VGU and JICA Project Team	Smart Phone Application for Bus Users	20 Apr. 2016
WG for Activity 3	DOT, MOCPT, JICA Project Team	Candidate Sites for Park & Ride Facility Conceptual Design for Park & Ride Facility Estimation of Minimum Requirement of Parking Lot for Park & Ride Facility	22 Apr. 2016
2nd MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	27 Apr. 2016
Public Meeting with Local Bus Company	DOT, MOCPT, Local Bus Companies and JICA Project Team	Existing issue related to the bus operation in Binh Duong Province Information provision for bus usage promotion	29 Apr. 2016
Park & Ride Development	Becamex IDC & BTB and JICA Project Team	Candidate Sites for Park & Ride Facility Conceptual Design for Park & Ride Facility	5 May 2016
Park & Ride Development	DOT, DOH and JICA Project Team	Discussion about the land availability for P&R development inside the provincial hospital	13 May 2016
Meeting with DOT Director	DOT, JICA Project Team	Discussion about P&R development and preparation procedures. Preparation for 3 rd JCC meeting	19 May 2016
Meeting with Binh Duong PC	PC, DOT, other relevant agencies and JPT	Informing about the project progress and support from PC for the project implementation and PT	24 May 2016
3rd JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA	Discussion about Progress Report Work to be implemented in the next period	25 May 2016

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Meetings Conducted	Participated Agency	Key Agenda	Date
	Project Team, Tokyu Cor.		
Meeting with DOT Director	DOT, JICA Project Team	Bus System Improvement Plan and Fare Policy P&R development Permission about survey for travel behavior of residents	1 June 2016
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Bus System Improvement Plan and Fare Policy P&R development	1 June 2016
	DOT, DOC, JICA Project Team	Basic Principles of Bus Network Design in Binh Duong	17 June 2016
3rd MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	22 June 2016
Meeting with the delegation to Japan for 2 nd training	DOT, PC and JICA Project Team	Introduction about the training schedule and contents	1 July 2016
WG for Activity 1&2&3	DO, Becamex, BTB and JICA Project Team	Confirm about responsibility of stakeholders for implementation P&R facilities. Plan of Mobility Management Activities during June and August Discussion about Smartcard Pilot Program	1 July 2016
4th MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	18 July 2016
WG for Activity 3	DOT and JICA Project Team	Report for Implementation of MM Activities at Residential Areas & Free Bus Day	24 August 2016
5th MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	24 August 2016
Meeting with DOT Director	DOT, JICA Project Team	Report for Implementation of MM Activities at Residential Areas & Free Bus Day	6 September 2016
MM activities at EIU	EIU & JICA Project Team	Discussion about MM activity at the university and implementation schedule	16 September 2016
Meeting with DOT Director	DOT and JICA Project Team	Discussion about further activities to be implemented in the coming time	5 October 2016
Meeting with DOT Director	DOT and JICA Project Team	Discussion about JCC meeting	21 October 2016
Meeting with Binh Duong PC	PC, DOT, other relevant agencies and JPT	Report on the project progress Subsidy and other policies for public transport promotion	7 November 2016
Meeting with Local Bus Companies	DOT, MOCPT, Local Bus Companies and JICA Project Team	Existing issue related to the bus operation in Binh Duong Province Introduction of the pilot route to other bus routes Establishment of a new WG	8 November 2016
WG for Activity 2	MOCPT and JICA Project Team	Subsidy situation in Binh Duong prior to 2013.	28 November 2016
4th JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Progress Report Work to be implemented in the next period	8 December 2016

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Meetings Conducted	Participated Agency	Key Agenda	Date
Meeting with DOT Director	DOT and JICA Project Team	Reporting about results of MM activities implemented in Ngo Thoi Nhiem School and proposing to implement further at other schools	27 December 2017
Meeting with relevant organizations	BTI & BTB, IDC and JICA Project Team	P&R development: parking expansion at Becamex Tower and arrangement of the P& R area	12 January 2017
WG for activity 2 & 3	DOT, MOPCT, BTB Thu Dau Mot Urban development division and JICA Project Team	P&R development Proposal for Thien Hau Temple Bus Stop improvement	2 March 2017
Meeting with relevant organizations	BTI, BTB and JICA Project Team	Preparation for P&R at Becamex Tower	2 March 2017
Meeting with relevant organizations	BTI & BTB, IDC and JICA Project Team	Preparation for P&R at Becamex Tower	22 March 2017
Meeting with relevant organizations	BIT & JICA Project Team	Preparation for P&R at Becamex Tower	17 April 2017
Meeting with Local Bus Companies	DOT, MOCPT, Local Bus Companies and JICA Project Team	Proposal for Thien Hau Temple Bus Stop improvement Implementation of Survey for Education & Training Toward Bus Driver and conductors.	15 May 2017
Meeting with DOT Director	DOT and JICA Project Team	Preparation for P&R opening ceremony Discussion about further activities to be implemented	19 May 2017
Meetings with bus operators	Binh Duong bus operator, Ben Cat bus operator, 19/5 Bus operator & JPT	Discussion about the traffic safety (focusing on bus transport)	30&31 May 2017
WG for activity 2 & 3	DOT, MOCPT, JPT	Layout of P&R at Le Thi Trung & Library	31 May 2017
Meeting with Phuong Trinh Bus company	Phuong Trinh Bus company & JPT	Possibility to join the project activities and Discussion about the traffic safety (focusing on bus transport)	5 June 2017
Meeting with relevant organizations	IDC, DOT, MOCPT and JICA Project Team	Preparation for P&R at Le Thi Trung & Library	5 June 2017
WG for activity 2 & 3	DOT, MOPCT, and JICA Project Team	Result of traffic safety hearing and proposal about MM activities	9 June 2017
Workshop on Subsidy and Soft Loan for Bus Transport in Vietnam	DOT, DONRE, Tax Division, Department of Science & technology, Department of Information and Communication, MOPCT, bus operators and Transport Association of Binh Duong Province	Public Transport Fare Policies in Major Cities in the World Bus Transport Subsidy (Government Support for Bus Transport) in Tokyo Subsidy and Soft Loan for Bus Transport in Vietnam Proposed Subsidy Policy for Bus Transport in Binh Duong Discussion	23 June 2017
5th JCC meeting	DOT, DOF, MOCPT, Becamex IDC, JICA Project Team, Tokyu	Discussion about Progress Report Work to be implemented in the next period	21 July 2017

PM Form 3-1 Monitoring Sheet Summary

Meetings Conducted	Participated Agency	Key Agenda	Date
	Cor.		
WG for activity 3	DOT, DOET and JICA Project Team	Discussion about the schedule and contents for MM activities targeting elementary students	25 July 2017
WG for activity 3	DOT and JICA Project Team	Informing DOT about errors in payment for passengers due to system software. PR materials for P&R on Le Thi Trung Street	8 Augusts 2017
Meeting with DOT Director	DOT and JICA Project Team	Subsidy policy for public transport improvement plan focusing on bus in Binh Duong Province	15 August 2017
Meeting with DOT Director	DOT and JICA Project Team	Further discussion and supplement to the subsidy policy for public transport implement plan focusing on bus in Binh Duong Province Revision of Thien Hau Bus Temple Improvement Plan	22 September 2017
WG for activity 2	DOT, DOIC and JICA Project Team	Discussion about Smartcard Expansion Plan	06 October 2017
Meeting with DOT Director	DOT and JICA Project Team	Further discussion and supplement to the subsidy policy for public transport implement plan focusing on bus in Binh Duong Province	11 October 2017
WG for activity 3	DOT, BTB, Petrus Ky School and JICA Project Team	Exchange opinions about the MM activity with teacher at Petrus Ky School	11 November 2017
WG for activity 1	DOT, MOCPT and JICA Project Team	Bus schedule preparation Extension of the parking fee exemption for Park & Ride at Becamex Tower	27 November 2017

1.2.2 Output 1: Bus system improvement plan is prepared

The progress of Output 1 activities is shown in the table below.

Table 3: Progress of Output 1 Activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
1.1. Collection of the necessary document and review. (Work Item 5)	<ul style="list-style-type: none"> - Collect the input data for the travel demand forecast as follows: <ul style="list-style-type: none"> ✓ Socio-economic data: Statistical reports and the data needed for the traffic demand forecast (GDP, population, vehicle ownership, etc.) ✓ Existing plans and studies in transport sector: Related information and data with regards to the "Transport Master Plan toward 2020" ✓ Road network and public transport system (latest information) : The current status of road construction in Binh Duong Province along with the condition of the bus operations ✓ Related law, regulation and policy in urban transport sector: Laws/decrees related to the transport sector ✓ Financial Resource / Budget Plan: Regarding the financial resource/budget for constructing transport infrastructure and subsidies for the business of transport operations ✓ Current Situation of Collecting, Holding and Use of Traffic Data: Data held by MOCPT (bus related data) and the DOT (transport infrastructure data) ✓ Data Related to Poverty, Gender and etc.: Data regarding gender, population by age, disabled population, income data and etc. 	- Done	- No activity (N/A)

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.) (Work Item 9)	<ul style="list-style-type: none"> - Review and analyze the existing traffic data - Carry out following traffic surveys and analyze the results: <ul style="list-style-type: none"> ✓ the traffic count survey ✓ the bus passenger interview survey ✓ the parking survey - Develop the travel demand forecasting model - Carry out following travel behavior surveys and analyze the results: <ul style="list-style-type: none"> ✓ the residential area survey targeting the officials in the Administration Office ✓ the commuting pattern survey targeting the officials in the Administration office. ✓ the commuting pattern survey targeting Japanese companies in the industrial parks. ✓ the interview survey in VSIP-II to grasp workers' actual commuting pattern. 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	- No activity (N/A)
1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport. (Work Item 10)	<ul style="list-style-type: none"> - Review the current transportation master plan in the Binh Duong Province. 	- Done	- No activity (N/A)
1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework. (Work Item 11)	<ul style="list-style-type: none"> - Examine public transport priority policies and TDM polices. - Carry out the WG to show the CPT the traffic demand analysis and discuss the TDM, especially the bus priority policy. - Implement the workshop / seminar and PR activity with citizens on urban transport issues. (Joint Seminar, Dec.1 2015) 	<ul style="list-style-type: none"> - Done - Done - Done 	- No activity (N/A)

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	<ul style="list-style-type: none"> - Implement the keynote lecture on MM by Dr. Taniguchi. on Mar. 22, 2016) - Carry out the public meeting with bus company on Apr. 29, 2016 	<ul style="list-style-type: none"> - Done - Done 	
1.5. Study bus network system based on demand forecast. (Work Item 12)	<ul style="list-style-type: none"> - Estimate the Future Traffic Demand - Implement the Corridor Demand Analysis - Identify the issues on Current Bus Network Planning - Implement planning / Analysis of New Bus Network - Examine reorganization of the bus routes in the urban area taking into consideration connection to the HCM UMRT-1 - Formulate pilot activities to upgrade bus transport service initiated by local bus operators - Prepare and propose bus transport improvement plan to the provincial government 	<ul style="list-style-type: none"> - Done - Done - Done - Done - On-going - On-going - Done 	- Finalize the bus network plan with Work Item 1.8
1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system. (Work Item 13)	<ul style="list-style-type: none"> - Conduct the public meetings with bus companies to collect the Required Information of Current Bus Operation - Examine Bus Operation Plan - Examine Fare Policy - Organize a workshop on "Fare policy and Subsidy for Bus transport" - Finalize the bus operation plan and bus fare policies with Work Item 1.8 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City. (Work Item 14)	<ul style="list-style-type: none"> - Implement Park & Ride User Interview to estimate the Importance for P&R development - Analyze the Current Parking Situation and Review the Parking Policy - Examine / Asses Parking Policies 	<ul style="list-style-type: none"> - Done - Done - Done 	- No activity (N/A)
1.8. Prepare bus system improvement plan. (Work Item 15)	<ul style="list-style-type: none"> - Formulate the Bus System Improvement Plan based on the activity 1.2 to 1.7 (July-Nov 2017) - Examine reorganization of the bus routes in the urban area taking into consideration connection to the HCM UMRT-1 - Formulate the Bus System Improvement Plan 	<ul style="list-style-type: none"> - Done - Done - Done 	- No activity (N/A)
1.9. Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated. (Work Item 6,7 and 8)	<ul style="list-style-type: none"> - Design the questionnaire on baseline survey - Conduct the first baseline survey targeting the CPT. - Prepare a training plan - Set verifiable indicators and goals - Plan and carry out the 1st training program in Japan (14-19 September, 2015) - Plan and carry out the 2nd training program in Japan (20-29 July, 2016) - Conduct the monitoring survey targeting the CPT. 	<ul style="list-style-type: none"> - Done - Done - Done - Done - Done - Done - On-going 	- Conduct the monitoring survey targeting the CPT

1.2.3 Output 2: Measures to upgrade quality of the bus services are examined and pilot project is implemented.

The progress of Output 2 activities is shown in the table below.

Table 4: Progress of Output 2 Activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
2.1. Examine and identify the orientation for improvement of the quality of bus services. (Work Item 16)	<ul style="list-style-type: none"> - Grasp the current situation and examine a policy to improve bus service level - Carry out the site inspection at the bus terminal in Ben Cat - Examine the condition to introduce a IC-Card system - Carry out the public meetings with local bus companies 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	- No activity (N/A)
2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route. (Work Item 17)	<ul style="list-style-type: none"> - Examine a new bus route plan and an operation plan (for the pilot corridor) based on the result of travel behavior surveys - Analyze the result of the bus passenger survey - Prepare the bus timetable and establish the operations management mechanism - Implement and assess the pilot project bus route 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	- No activity (N/A)
2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system. (Work Item 18)	<ul style="list-style-type: none"> - Review the technical standards in Vietnam with regards to IC cards - Examine the requirements, necessary equipment and specification of the IC card system - Review the laws in Vietnam with regards to IC cards - Examine the requirements, necessary 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	- Continue the on-going activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	equipment and specification of the IC card system - Examine interoperability of the IC cards with other transport modes and other fields - Procurement of the equipment, system development and its testing and verification - Implement and assess the pilot project	- Done - Done - On-going	
2.4. Monitor attitude of bus drivers and conductors toward passengers. (Work Item 19)	- Introduce a monitoring scheme to check bus operators and bus crews' customer service attitude - Conduct the hearing survey targeting local bus operators - Technical transfer to other bus companies	- Done - Done - On-going	- Continue the on-going activities
2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area. (Work Item 20)	- Carry out the public meetings with bus companies to exchange the opinions - Formulate the safety measures along bus corridors	- Done - Done	- No activity (N/A)

1.2.4 Output 3: Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.

The progress of Output 3 activities is shown in the table below.

Table 5: Progress of Output 3 Activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
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Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
3.1. Study policies and measures of mobility management (Work Item 21)	<ul style="list-style-type: none"> - Examine the current travel pattern to identify target groups for MM and activities for MM - Prepare a manual for MM - Conduct and Analyze the Questionnaire Survey to identify the Characteristics of Travel Behaviors 	<ul style="list-style-type: none"> - Done - Done - Done 	<ul style="list-style-type: none"> - No activity (N/A)
3.2. Improve communication skills. (Work item 23)	<ul style="list-style-type: none"> - Implement basic lectures on MM to the CPT - Conduct technical training to organize the MM Workshop 	<ul style="list-style-type: none"> - Done - Done 	<ul style="list-style-type: none"> - No activity (N/A)
3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises. (Work Item 22 and 24)	<ul style="list-style-type: none"> - Create publication materials <ul style="list-style-type: none"> ✓ Draft of the bus route map ✓ Standee, Banner and wrapping bus to promote bus usage - Prepare the MM activity plan - Analyze the result of following surveys <ul style="list-style-type: none"> ✓ The commuting pattern survey targeting the officials in the Administration office. ✓ The commuting pattern survey targeting Japanese companies in the industrial parks. ✓ The interview survey in VSIP-II to grasp workers' actual commuting pattern. - Carry out the questionnaire survey targeting the workers in Becamex Tower and Tokyu Becamex Bus - Carry out the EASTS-JSCE 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	<ul style="list-style-type: none"> - Implement and assess MM (to be continued) - Implement MM activity targeting elementary school students and technical transfer to elementary school teachers for promoting post-project MM activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	<ul style="list-style-type: none"> - Jointed Seminar in the Vietnam-German University - Implement MM Workshop targeting Government Officer (5 times) - Implement MM Activity targeting University Student - Implement MM activities for local residents in Thu Dau Mot City - Distribute the materials and conduct the questionnaire survey on P&R parking targeting admin. staffs, local residents, workers in Becamex Tower and university students - Implement MM activity for elementary schools in Thu Dau Mot City 	<ul style="list-style-type: none"> - Done - Done - Done - Done - Done - On-going 	
<p>3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users. (Work Item 25)</p>	<ul style="list-style-type: none"> - Make the conceptual Plan for the candidate side of P&R Pilot Project - Draft the Implementation Plan for P&R Pilot Project - Investigate the interoperability between the free pass on bus smartcard and Parking fare collection - Prepare the required procedure to implement P&R Pilot Project 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	<ul style="list-style-type: none"> - Complete the preparation works and construct parking facility for P&R Pilot Project on Binh Duong Library and Le Thi Truong Street - Implement P&R Pilot Project

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Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	<ul style="list-style-type: none"> - Introduce the P&R parking with a new system able to be integrated with bus smartcard - Complete the preparation works and construct parking facility for P&R Pilot Project - Implement P&R Pilot Project 	<ul style="list-style-type: none"> - Done - On-going - On-going 	

1.3 Achievement of Output

1.3.1 Output1

Achievement status of Output 1 is as follows.

Table 6: Verifiable Indicators and Current Status

Objectively Verifiable Indicator	Baseline	Current Status
1.1. Each activity for preparation of bus system improved plan is completed	- No exist. (PT-MP, Decision No. 4291/QD-UBND, Dec. 24, 2014 only)	- Contents on Bus system improvement plan are examined. - Bus fare policy and subsidy workshop was held.

Source: PDM 1.1

1.3.2 Output 2

Achievement status of Output 2 is as follows.

Table 7: Verifiable Indicators and Current Status (Under Consideration)

Objectively Verifiable Indicator	Baseline	Current Status
2.1. The orientation for improvement of the quality of bus services is identified.	- No exist. (PT-MP, Decision No. 4291/QD-UBND, Dec. 24, 2014 only)	- Bus user opinion survey was conducted. - Public Meeting with local bus company was held
2.2. Measures to provide punctual bus operation are introduced and punctuality improves.	- 1 route	- Expanded to 6 routes - Bus operation including time table was updated in January, 2017
2.3. Bus IC-card system is introduced and institutions to manage and operate the Bus IC-card system is established.	- No exist.	- Prepared the specification of bus IC-Card system on pilot project - Issues of monthly IC-Card was started since April 2017
2.4. Attitude of bus drivers and conductors toward passengers is monitored to be improved.	- No exist.	- Provided the training for the bus drivers of pilot bus routes
2.5. Traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area are implemented.	- No exist.	- Collected data and prepared the document on the locations where traffic accidents usually occur along with bus corridors

Source: PDM 1.1

1.3.3 Output 3

Achievement status of Output 3 is as follows.

Table 8: Verifiable Indicators and Current Status (Under Consideration)

Objectively Verifiable Indicator	Baseline	Current Status
3.1. Policies and measures of mobility management are obtained and communication skills are developed.	<ul style="list-style-type: none"> - No policy and measures exist. - Score of the first baseline survey was 2.2 	<ul style="list-style-type: none"> - MM activity plan was prepared. - Facilitator training, keynote lecture was implemented.
3.2. Mobility management activities to promote public transport with enterprises and local community are implemented.	<ul style="list-style-type: none"> - No exist. 	<ul style="list-style-type: none"> - 5 times MM workshops for Admin. Officers, MM activities for University students and MM activity for residence in Binh Duong new city were implemented. - The MM activities for elementary schools have been implemented
3.3. Mobility management activities to promote Park & Ride for bus users are implemented.	<ul style="list-style-type: none"> - No exist. 	<ul style="list-style-type: none"> - Formulated the implementation plan for P&R pilot project. - Launched the first P&R parking at Becamex Tower parking and Second P&R at Le Thi Trung

Source: PDM 1.1

1.4 Achievement of the Project Purpose

Also stated in PDM, the achievement of the project purpose shall be evaluated using verifiable indicators.

Table 9: Verifiable Indicators and Current Status

Objectively verifiable indicators	Baseline	Current Status
<ul style="list-style-type: none"> - Counterpart (C/P) prepare/ implement followings in cooperation with JICA experts in good manner. ✓ Bus system improvement plan ✓ Several pilot projects/ 	<ul style="list-style-type: none"> - No existed. 	<ul style="list-style-type: none"> - Formulated new bus transport subsidy policies - Contents on Bus system improvement plan are preparing. - Implemented the measures for reliable bus operations on pilot

Objectively verifiable indicators	Baseline	Current Status
mobility management activities	<ul style="list-style-type: none"> - The capacity scores for each output at the first baseline survey are 3.15, 2.77 and 2.22, respectively and the second baseline survey are 3.65, 3.14 and 3.05, respectively. 	<ul style="list-style-type: none"> project bus routes - Introduced IC-Card System on pilot project bus routes - Introduced the monitoring scheme to check bus operators' and bus crews' customer service attitude - Investigating the traffic safety measures along bus corridors - The target groups of MM identified as Admin. Officer, University Student and residence in Binh Duong new city. - MM activities were implemented for above targets. - Started the implementation of P&R pilot project - The first and second baseline surveys were conducted, in 2015 and 2017, respectively.
<ul style="list-style-type: none"> - Bus system improvement plan is authorized. 	<ul style="list-style-type: none"> - No existed. 	<ul style="list-style-type: none"> - Organized the workshop for the relevant agencies and bus operators to build a consensus on the new subsidy policy. - Submitted to the provincial peoples' committee for approval.

Source: PDM 1.1

To achieve the project purpose, the JPT identify the required knowledge and skills by each output shown in the following table. Result of the baseline survey were evaluated on a five-level scale as indicated below and illustrated in following figures.

- (1) Newbie: I don't know the process/ concept;
- (2) Novice: I know the process/ concept, but I have never done it;
- (3) Young Expert: I have done it once, but I have not reported or presented the results;
- (4) Expert: I have done it twice or more/ I have done it once and reported or presented the results; and

(5) Senior Expert: I have done it twice or more, and reported or presented the results.

Table 10 Required Knowledge and Skills per Project Output and Activity

Expected Output	Activities	Required Knowledge & Skills	
(1) Bus system improvement plan is prepared.	1.1. Collection of the necessary document and review. 1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.) 1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport.	1.1.1	Analyzing Statistical Data for Bus Improvement Plan
		1.1.2	Identifying Bus Transport Issues
		1.1.3	Implementing and Analyzing Traffic Surveys
	1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework. 1.8. Prepare bus system improvement plan.	1.1.4	Knowledge of Traffic Demand Management (TDM)
		1.1.5	Formulating Public Transport Policies
	1.5. Study bus network system based on demand forecast.	1.1.6	Planning for Bus Route
		1.1.7	Planning for Bus Operating Plan
	1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system.	1.1.8	Formulation of Fare Policy
		1.1.9	Conducting Financial Analysis
	1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City.	1.1.10	Planning for Traffic Management
		1.1.11	Solving Issues related Parking Policy
		1.1.12	Conducting Evaluation of Parking Policy
	(2) Measures to upgrade quality of the bus services are examined and pilot project is implemented.	2.1. Examine and identify the orientation for improvement of the quality of bus services.	2.1.1
2.1.2			Planning for the Improvement of the Bus Service Level
2.1.3			Conducting an Implementation Plan
2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route.		2.2.1	Preparing a Bus Operation Plan
		2.2.2	Preparing a Timetable
		2.2.3	Conducting a Bus Operation Management Plan
2.3. Introduce bus IC-card system on the pilot project route and establish		2.3.1	Do you know the smartcard system introduced into Becamex Tokyu

Expected Output	Activities	Required Knowledge & Skills	
	institutions to manage and operate the IC-card system.		Bus?
		2.3.2	Planning of introducing Smartcard System
		2.3.3	Analyzing of Smartcard Data
		2.3.4	Knowledge of Smartcard related Laws
	2.4. Monitor attitude of bus drivers and conductors toward passengers.	2.4.1	Identifying the Current Issues of Bus Drivers' and Conductors' Service
		2.4.2	Preparing a Manual/Guideline for Bus Drivers and Conductors
		2.4.3	Evaluating the Scheme
	2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.	2.5.1	Identifying the Current Issues of Traffic Safety on the Pilot Project Bus Route
		2.5.2	Knowledge of Traffic Safety Countermeasures
		2.5.3	Conducting a Traffic Safety Awareness Campaign
(3) Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.	3.1. Study policies and measures of mobility management	3.1.1	Knowledge of Mobility Management
		3.1.2	Preparing Mobility Management Policies
		3.1.3	Communicating citizens to Encourage to Use Public Transport
	3.2. Improve communication skills.	3.2.1	Planning and Implementing Mobility Management
		3.2.2	Building Stakeholders' Consensus
		3.2.3	Analyzing and Evaluating Mobility Management Activities
	3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises.	3.3.1	Knowledge of Park & Ride
	3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users.	3.3.2	Implementing a Social Experiment
		3.3.3	Analyzing and Evaluating a Social Experiment

The first baseline survey and the second baseline survey (monitoring survey) were conducted in June 2015 and July 2017 to measure the current knowledge and skills level. The average scores are shown in the following table and each scores are in the following figures.

Table 11 Average Scores per Outputs

Survey	Output		
	1	2	3
Baseline Survey (June 2015)	3.15	2.77	2.22
Baseline Survey (July 2017)	3.63	3.14	3.05

Figure 1 Required Knowledge and Skills for Output 1: Bus system improvement plan

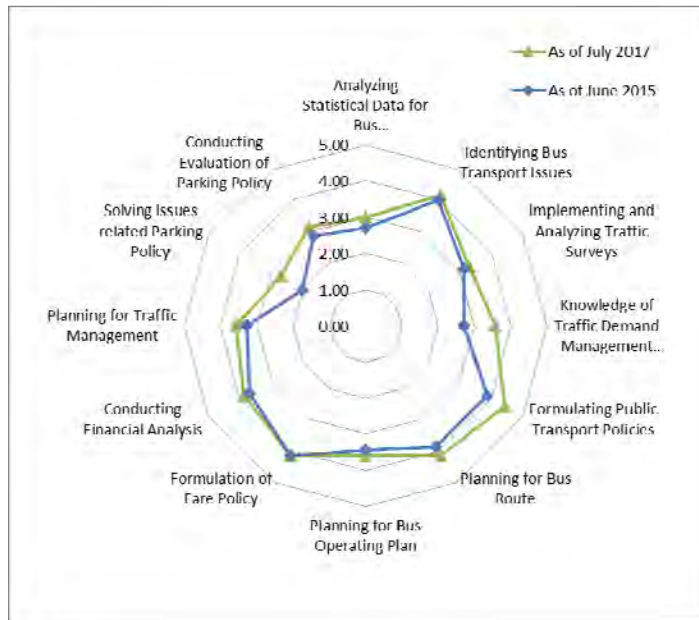


Figure 2 Required Knowledge and Skills for Output 2: Upgrade quality of the bus services

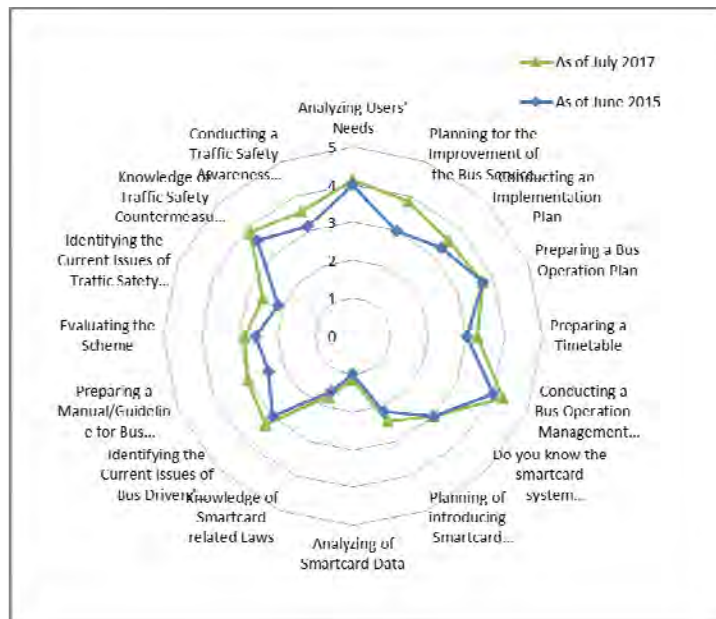


Figure 3 Required Knowledge and Skills for Output 3: Mobility management



1.5 Changes of Risks and Actions for Mitigation

Among the 3 candidate P&R sites, DOT and JICA project teams have implemented P&R at the two sites, i.e. P&R at Becamex Tower and P&R on Le Thi Trung Street. The current number of P&R users at the two sides has not met the expectation of both JICA Expert Team and the counterparts. But in general, P&R has generated a good image and convenience for bus users to access to the public transport. P&R should be considered for continuous operation after the project completion.

The construction of P&R adjacent to Binh Duong Province Library has not been completed yet. It is expected that the P&R at the location adjacent to Binh Duong Province Library will be put into

operation within January 2018 based on the construction progress of the counterpart. However the opening date of this P&R has not been confirmed yet. Therefore, it is necessary to consider about the post project operation and free-parking at this location.

1.6 Progress of Actions undertaken by JICA

On May 12, 2015, DOT and JICA agreed to amend the following items in the RD signed on May 15, 2014, namely (i) to add the expert’s field, (ii) to change the report, and (iii) to change the report format for monitoring and evaluation.

1.7 Progress of Actions undertaken by The People’s Committee of Binh Duong Province

The People’s Committee of Binh Duong Province agreed about the land assignment to Becamex IDC for implementation of the P&R adjacent to Binh Duong Province Library in 16 June 2017.

At the moment, People’s Committee of Binh Duong Province is reviewing and considering about approval of the bus improvement plan prepared by DOT (including the bus subsidy).

1.8 Progress of Environmental and Social Considerations (if applicable)

N/A

1.9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A

1.10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs etc.)

In order to guarantee the sustainability for MM activities in order to promote the bus users, it is very essential to have an organization to promote the activities and campaign. At the moment, DOT & MOCPT have acquired the knowledge and technique but it is necessary to consider to establish a task team consisting of different and relevant organizations to implement the MM activities with the key responsibilities and leadership of DOT.

1.11 Tasks to be implemented by JICA Project Team and Counterparts

Work	Tasks	Implementing agencies
Output 1: Bus system improvement plan is prepared		
Gather existing related materials and review them to grasp the problems and issues	-	DOT, MOCPT & JPT

Conduct of Traffic Surveys and Demand Forecast Analysis	Review and analyze existing data Implementation of Traffic Surveys Traffic Demand Forecast Analysis	- DOT, MOCPT, JPT & Traffic Research Center of VGU
Review the Urban Transport Master Plan and Transport Master Plan		- DOT & JPT
Identify issues with regards to public transport priority policies and traffic demand management policies	Examine public transport priority polices and traffic demand management policies Conduct discussions and advocacy with citizens	- DOT, MOCPT & JPT - Relevant agencies
Examine the future bus network based on the future traffic demand	Estimate the future traffic demand Examine the future bus network	- DOT, MOCPT, JPT & Traffic Research Center of VGU
Examine the bus operation plan and fare policies	Examine the bus operation plan Examine the bus fare policies	- DOT, MOCPT & JPT - Relevant agencies
Assess the parking policies of the commercial areas and New City	Analyze the current parking situation and review the parking policies Examine and assess the parking policies	- DOT & JPT
Formulate the bus system improvement plan		- DOT & JPT
Base Line Survey		- DOT & relevant agencies
Output 2: Measures to update quality of the bus services are examined and pilot project is implemented.		
Examine a plan to improve the level of service in buses	Grasp the current situation and examine a plan targeted at the current situation Prepare an improvement and implementation plan"	- DOT, MOCPT, JPT & Local Bus Operators
Introduce measures for reliable bus operations for the pilot project bus route	Prepare the bus timetable and establish the operations management mechanism Implement and assess the pilot project bus route Support the expansion of other bus routes"	- DOT, JPT & Becamex Tokyu Bus
Establish the operation management scheme for the introduction of an IC card system for the pilot project bus route	Review the technical standards and laws in Vietnam with regards to IC cards Decide on the requirements, necessary equipment and specification of the IC card system Go through the procedures to procure the equipment and conduct system development along	- DOT, JPT & Becamex Tokyu Bus

	<p>with testing and verification</p> <p>Implement and assess the pilot project</p> <p>Examine interoperability of the IC cards with other transport modes and other fields</p>	
<p>Introduce a monitoring scheme to check bus operators and bus crews' customer service attitude</p>	<p>Analyze the current situation regarding bus operators and bus crews' safety awareness and customer service attitudes</p> <p>Prepare customer service guidelines and a proposal for the monitoring scheme</p> <p>Implement and assess the pilot project</p>	<p>- DOT, JPT & Becamex Tokyu Bus</p>
<p>Implement safety measures for the pilot project bus route</p>	<p>Examine traffic safety measures</p> <p>Apply to safe driving manual</p> <p>Plan traffic safety facilities</p> <p>Assess the measures and disseminate it for citizens and bus operators"</p>	<p>- DOT, JPT & Local Bus Operators</p>
<p>Output 3: Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.</p>		
<p>Examine the introduction of mobility management (MM)</p>	<p>Identify an target for MM and detailed activities for MM</p> <p>Prepare a manual for MM"</p>	<p>- DOT, JPT & Traffic Research Center of VGU</p>
<p>Improve communications abilities</p>	<p>Implement basic lectures on MM</p> <p>Technical training to improve communications abilities</p>	<p>- DOT, JPT & Traffic Research Center of VGU</p>
<p>Create publication materials</p>	<p>Making MM tools</p> <p>Making PR materials for propaganda activities</p>	<p>- DOT, JPT & Traffic Research Center of VGU</p>
<p>Implementation of MM to promote public transport usage</p>	<p>Prepare the plan for implementing MM and coordinate with relevant firms and organizations</p> <p>Implement and assess MM"</p>	<p>- DOT & JPT</p>
<p>MM to promote the park and ride policy</p>	<p>Select candidate parking lots and examine alternative solutions</p> <p>Prepare an implementation plan for the park and ride social experiment</p> <p>Civil works construction by C/P fund</p> <p>Implement and assess the park and ride social</p>	<p>- DOT, JPT & Becamex IDC</p>

	experiment	
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2 Delay of Work Schedule and/or Problems (if any)

2.1 Detail

The following 3 activities are delayed from original work schedule;

Activity 1.6: Study the bus operation and bus fare policies including monthly ticketing and subsidy system

Activity 2.3: Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system

Activity 3.4: Study/ Implement mobility management activities to promote Park & Ride for bus users

2.2 Cause

Activity 1.6:

JICA emphasized importance of the subsidy for the higher public bus services, and DOT also recognized the importance of the subsidy. Further examination to formulate detail policies for the subsidy is required.

Activity 2.3:

Examination of security enhancing measures on IC-card system is required an additional.

Activity 3.4:

DOT and JICA project team have confirmed the sites (2 private lands and 1 public land) for the P&R Pilot Project, and DOT arranged the necessary procedure and coordination with relevant agencies to secure the 1 public land. However, it takes time to complete the procedure in accordance with the legal regulations.

2.3 Action to be taken

Activity 1.6:

People's Committee of Binh Duong Province and relevant agencies to have more attention on the subsidy for bus operators and also to create favorable conditions for them to access to the soft loan so as to improve the level of services on their bus operation. DOT and JICA project team formulate detail policies for the subsidy and soft loan by the next 5th JCC meeting.

Activity 2.3:

Required security enhancing measures on IC-card system is being developed by JICA project team.

Activity 3.4:

JICA mission and the JICA Project Team advised PC of Binh Duong Province to start the pilot project at the site in front of Becamex Tower, where the public usually complete administrative procedures, at 4th JCC meeting.

2.4 Roles of Responsible Persons/Organization (JICA, The People's Committee of Binh Duong Province, etc.)

Refer to 2.3.

3 Modification of the Project Implementation Plan

3.1 PO

N/A

3.2 Other modifications on detailed implementation plan

N/A

4 Preparation of The People's Committee of Binh Duong Province toward after completion of the Project

N/A

II. Project Monitoring Sheet I & II *as Attached*

Annex2: Project Monitoring Sheet I (Revision of Project Design Matrix)

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province

Implementing Agency: Department of Transport, Binh Duong Province

Target Group: Department of Transport, Binh Duong Province

Period of Project: March 2015 - May 2018


Project Site: The south of Binh Duong Province

Version 6

Dated January, 2018

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p>Overall Goal Enhancement of public transport system is promoted.</p>	<p>Number of public transport passengers/ modal share of public transportation are increased.</p>	<p>- Statistics/ Survey</p>		<p>N/A</p>	<p>N/A</p>
<p>Project Purpose Institutional capacity of policy development and implementation on the public transport system development is strengthened.</p>	<p>- Counterpart(C/P) prepare/ implement followings in cooperation with JICA experts in good manner. - Bus system improvement plan - Several pilot projects/ mobility management activities - Bus system improvement plan is authorized.</p>	<p>- Relevant documents - Survey on participation of C/P - Comparison of capacity of C/P based on baseline survey and others - A document for authorization</p>		<p>- The first and second baseline survey were conducted. - The target group of MM identified as Admin. Officer, University Student and Residence. - MM activities were implemented for above target. - Contents on Bus system improvement plan are preparing.</p>	<p>N/A</p>
<p>Outputs (1) Bus system improvement plan is prepared.</p>	<p>1.1. Each activity for preparation of bus system improved plan is completed</p>	<p>- Bus system improvement plan</p>		<p>- Contents on Bus system improvement plan are examined. - Bus fare policy and subsidy workshop was held.</p>	<p>N/A</p>
<p>(2) Measures to upgrade quality of the bus services are examined and pilot project is implemented.</p>	<p>2.1. The orientation for improvement of the quality of bus services is identified. 2.2. Measures to provide punctual bus operation are introduced and punctuality improves. 2.3. Bus IC-card system is introduced and institutions to manage and operate the Bus IC-card system is established. 2.4. Attitude of bus drivers and conductors toward passengers is monitored to be improved.</p>	<p>- Report of pilot projects</p>		<p>- Bus user opinion survey was conducted. - Public Meeting with local bus company was held - Expanded to 6 routes - Updated the bus operation including timetable and new fare system</p>	<p>N/A</p>
				<p>- Prepared the specification of bus IC-Card system on pilot project - Issued the monthly IC-Card which integrated with P&R parking system</p>	<p>N/A</p>
				<p>- Introduced monitoring scheme.</p>	<p>N/A</p>

<p>(3) Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.</p>	<p>2.5. Traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area are implemented.</p> <p>3.1. Policies and measures of mobility management are obtained and communication skills are developed.</p> <p>3.2. Mobility management activities to promote public transport with enterprises and local community are implemented.</p> <p>3.3. Mobility management activities to promote Park & Ride for bus users are implemented.</p>	<p>- Report of mobility management activities</p>	<p>- Collected traffic accident data along with bus corridors</p> <p>- MM activity plan was prepared.</p> <p>- Facilitator training, keynote lecture was implemented.</p> <p>- 5 times MM workshops for Admin. Officers and MM activities for University students, Elementary students (trial) and residence were implemented.</p> <p>- prepared the implementation plan and required procedure for P&R pilot project.</p> <p>- Launched the P&R parking (Becamex Tower & Le Thi Trung)</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>One remaining sites will be started on March 2018</p>
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Activities	Inputs	Important Assumption
<p>1. Bus system improvement plan is prepared</p> <p>1.1. Collection of the necessary document and review.</p> <p>1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.)</p> <p>1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport.</p> <p>1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework.</p> <p>1.5. Study bus network system based on demand forecast.</p> <p>1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system.</p> <p>1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City.</p> <p>1.8. Prepare bus system improvement plan.</p> <p>1.9. Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated.</p> <p>2. Measures to upgrade quality of the bus services is examined and pilot project is implemented.</p> <p>2.1. Examine and identify the orientation for improvement of the quality of bus services.</p>	<p>The Japanese Side</p> <p>- Japanese Experts</p> <p>Chief Advisor/ Public Transport Policy</p> <p>Deputy Chief Advisor/ Urban Transport Planning</p> <p>Traffic Demand Analysis</p> <p>Traffic Management/ TDM/ Traffic Safety</p> <p>Bus Operation Planning</p> <p>Bus Operation Management</p> <p>Bus-related Facility Planning</p> <p>Mobility Management</p> <p>Pilot Project Activities: Support</p> <p>Public Involvement/ Publicity Planning</p> <p>Legal System for the Smartcard</p> <p>- Counterpart training in Japan and/or third world countries</p> <p>- Provision of equipment</p> <p>IC-card system</p> <p>Other equipment, if necessary</p> <p>- Support the implementation of the pilot projects (principle of cost share: provision of equipment, facilities, and materials, conduct of campaign and propaganda activities)</p> <p>- Seminars and workshops (principle of cost share: dispatch of short-term expert, provision of materials)</p>	<p>The Vietnamese Side</p> <p>- DOT (Transport management division, Planning and finance division, Management & operation center for public transport, Transport infrastructure division)</p> <p>- DOF</p> <p>- DPI</p> <p>- DOC</p> <p>- Becamex IDC</p> <p>- Implementation of the pilot project (principle of cost share: facilities, civil works including improvement of the bus stops, zebra zones and intersections, and development of parking places for P&R)</p> <p>- Conduct of seminars and workshops (principle of cost share: provision of venues)</p> <p>- Suitable weekly meeting space in DOT</p> <p>- Suitable office space for members in Becamex IDC with air conditioner, Wifi and sharing copy machine</p>
		<p>- Vietnamese-related agencies' candidates for transfer of skills are supposed to continue working permanently.</p> <p>- Equipment is procured in time</p> <p>Pre-Conditions</p> <p>- The Project's main counterpart organization, DOT, Binh Duong Province, exists permanently.</p> 
		<p>< Issues and countermeasures ></p>

<p>2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route.</p> <p>2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system.</p> <p>2.4. Monitor attitude of bus drivers and conductors toward passengers.</p> <p>2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.</p> <p>3. Mobility management activity plan to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.</p> <p>3.1. Study policies and measures of mobility management</p> <p>3.2. Improve communication skills.</p> <p>3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local</p>			
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* Underline denotes new item in PDM1.1.

<p>1.5 Study bus network system based on demand forecast.</p>	<p>Plan</p>		<ul style="list-style-type: none"> - Estimated the Future Traffic Demand - Done the Corridor Demand Analysis - Identified the issues on Current Bus Network Planning - Implement planning / Analysis of new bus network - Prepared and proposed bus transport improvement plan to the provincial government 	<p>- Conduct the public meetings with bus companies to collect the required information of current bus operation</p>	<p>- Organized a workshop on Bus fare policy and subsidy</p>	<p>- Implemented Park & Ride User Interview to estimate the importance for P&R development</p>	<p>- Formulated the Draft Bus System Improvement Plan</p>	<p>- Assigned the questionnaire on baseline survey</p>	<p>- Conducted of the first baseline survey targeting the CPT.</p>	<p>- Prepared of a training plan</p>	<p>- Set verifiable indicators and goals</p>	<p>- Planned and carried out the training program in Laos</p>	<p>Finalizing Bus System Improvement Plan with Work Item 1.5</p>
<p>1.6 Study the bus operation and bus fare policies including monthly ticketing and subsidy system.</p>	<p>Actual</p>		<ul style="list-style-type: none"> - Conducted the public meetings with bus companies to collect the required information of current bus operation 	<p>- Organized a workshop on Bus fare policy and subsidy</p>	<p>- Implemented Park & Ride User Interview to estimate the importance for P&R development</p>	<p>- Formulated the Draft Bus System Improvement Plan</p>	<p>- Assigned the questionnaire on baseline survey</p>	<p>- Conducted of the first baseline survey targeting the CPT.</p>	<p>- Prepared of a training plan</p>	<p>- Set verifiable indicators and goals</p>	<p>- Planned and carried out the training program in Laos</p>	<p>Finalizing Bus System Improvement Plan with Work Item 1.5</p>	
<p>1.7 Investigate the parking policies in the commercial areas and the Binh Duong New City.</p>	<p>Plan</p>		<ul style="list-style-type: none"> - Investigate the parking policies in the commercial areas and the Binh Duong New City. 	<p>- Organized a workshop on Bus fare policy and subsidy</p>	<p>- Implemented Park & Ride User Interview to estimate the importance for P&R development</p>	<p>- Formulated the Draft Bus System Improvement Plan</p>	<p>- Assigned the questionnaire on baseline survey</p>	<p>- Conducted of the first baseline survey targeting the CPT.</p>	<p>- Prepared of a training plan</p>	<p>- Set verifiable indicators and goals</p>	<p>- Planned and carried out the training program in Laos</p>	<p>Finalizing Bus System Improvement Plan with Work Item 1.5</p>	
<p>1.8 Prepare bus system improvement plan.</p>	<p>Actual</p>		<ul style="list-style-type: none"> - Prepare bus system improvement plan. 	<p>- Organized a workshop on Bus fare policy and subsidy</p>	<p>- Implemented Park & Ride User Interview to estimate the importance for P&R development</p>	<p>- Formulated the Draft Bus System Improvement Plan</p>	<p>- Assigned the questionnaire on baseline survey</p>	<p>- Conducted of the first baseline survey targeting the CPT.</p>	<p>- Prepared of a training plan</p>	<p>- Set verifiable indicators and goals</p>	<p>- Planned and carried out the training program in Laos</p>	<p>Finalizing Bus System Improvement Plan with Work Item 1.5</p>	
<p>1.9 Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated.</p>	<p>Plan</p>		<ul style="list-style-type: none"> - Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated. 	<p>- Organized a workshop on Bus fare policy and subsidy</p>	<p>- Implemented Park & Ride User Interview to estimate the importance for P&R development</p>	<p>- Formulated the Draft Bus System Improvement Plan</p>	<p>- Assigned the questionnaire on baseline survey</p>	<p>- Conducted of the first baseline survey targeting the CPT.</p>	<p>- Prepared of a training plan</p>	<p>- Set verifiable indicators and goals</p>	<p>- Planned and carried out the training program in Laos</p>	<p>Finalizing Bus System Improvement Plan with Work Item 1.5</p>	
<p>2.1 Examine and identify the orientation for improvement of the quality of bus services.</p>	<p>Actual</p>		<ul style="list-style-type: none"> - Examine and identify the orientation for improvement of the quality of bus services. 	<p>- Organized a workshop on Bus fare policy and subsidy</p>	<p>- Implemented Park & Ride User Interview to estimate the importance for P&R development</p>	<p>- Formulated the Draft Bus System Improvement Plan</p>	<p>- Assigned the questionnaire on baseline survey</p>	<p>- Conducted of the first baseline survey targeting the CPT.</p>	<p>- Prepared of a training plan</p>	<p>- Set verifiable indicators and goals</p>	<p>- Planned and carried out the training program in Laos</p>	<p>Finalizing Bus System Improvement Plan with Work Item 1.5</p>	
<p>2.2 Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route.</p>	<p>Plan</p>		<ul style="list-style-type: none"> - Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route. 	<p>- Organized a workshop on Bus fare policy and subsidy</p>	<p>- Implemented Park & Ride User Interview to estimate the importance for P&R development</p>	<p>- Formulated the Draft Bus System Improvement Plan</p>	<p>- Assigned the questionnaire on baseline survey</p>	<p>- Conducted of the first baseline survey targeting the CPT.</p>	<p>- Prepared of a training plan</p>	<p>- Set verifiable indicators and goals</p>	<p>- Planned and carried out the training program in Laos</p>	<p>Finalizing Bus System Improvement Plan with Work Item 1.5</p>	
<p>2.3 Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system.</p>	<p>Actual</p>		<ul style="list-style-type: none"> - Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system. 	<p>- Organized a workshop on Bus fare policy and subsidy</p>	<p>- Implemented Park & Ride User Interview to estimate the importance for P&R development</p>	<p>- Formulated the Draft Bus System Improvement Plan</p>	<p>- Assigned the questionnaire on baseline survey</p>	<p>- Conducted of the first baseline survey targeting the CPT.</p>	<p>- Prepared of a training plan</p>	<p>- Set verifiable indicators and goals</p>	<p>- Planned and carried out the training program in Laos</p>	<p>Finalizing Bus System Improvement Plan with Work Item 1.5</p>	
<p>2.4 Monitor attitude of bus drivers and conductors toward passengers.</p>	<p>Plan</p>		<ul style="list-style-type: none"> - Monitor attitude of bus drivers and conductors toward passengers. 	<p>- Organized a workshop on Bus fare policy and subsidy</p>	<p>- Implemented Park & Ride User Interview to estimate the importance for P&R development</p>	<p>- Formulated the Draft Bus System Improvement Plan</p>	<p>- Assigned the questionnaire on baseline survey</p>	<p>- Conducted of the first baseline survey targeting the CPT.</p>	<p>- Prepared of a training plan</p>	<p>- Set verifiable indicators and goals</p>	<p>- Planned and carried out the training program in Laos</p>	<p>Finalizing Bus System Improvement Plan with Work Item 1.5</p>	

Output 2: Measures to upgrade quality of the bus services is examined and pilot project is implemented.

Task/Activity	2015		2016				2017				2018				Remarks	Issue	Solution												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb				Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
2.5 Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.	Plan	Actual																								- Carried out the public meeting with bus company to exchange the opinions - Collected traffic accident data and examined on bus corridors			
Output 3: Mobility management activity plan to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.																													
3.1 Study policies and measures of mobility management	Plan	Actual																									- Examined the current travel pattern to identify target groups for MM and activities for MM - Prepare a manual for MM - Conducted and Analyzed the Questionnaire Survey to Identify the Characteristics of Travel Behaviors - Implemented basic lectures on MM to the CPT - Conducted technical training to organize the MM Workshop - Creating publication materials - Prepared the MM activity plan - Analyzed the result of following surveys - Carried out the questionnaire survey targeting the workers in Becamex Tower and Tokyu Becamex Bus - Carried out the EASTS-JSCE Jointed Seminar in the Vietnam-German University - Implemented MM Workshop targeting Government Officer (5 times) - Implemented MM Activity targeting University Student - Implemented MM Activity targeting Residence - Implemented MM Activity targeting Elementary Students(trial)		
	Plan	Actual																											
3.2 Improve communication skills.	Plan	Actual																									- Making the conceptual Plan for the candidate side of P&R Pilot Project - Drafted the Implementation Plan for P&R Pilot Project - Prepared the required procedure to implement P&R Pilot Project - Introduced the P&R parking (Becamex Tower and Le Thi Trung) with a new system which integrated with bus smartcard		
	Plan	Actual																											
3.3 Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises.	Plan	Actual																											
	Plan	Actual																											
3.4 Study/ Implement mobility management activities to promote Park & Ride for bus users.	Plan	Actual																											
	Plan	Actual																											
Monitoring Plan																													
Monitoring	Plan	Actual																											
Joint Coordinating Committee	Plan	Actual	●																								JCC will be on April, 2018.	N/A	
Submission of Monitoring Sheet	Plan	Actual																										N/A	
Monitoring Mission from Japan	Plan	Actual																										N/A	
Reports/Documents	Plan	Actual																											
Project Completion Report	Plan	Actual																											
	Plan	Actual																											
	Plan	Actual																											

BẢNG THEO DÕI DỰ ÁN

Tên dự án: Dự án nâng cao năng lực quản lý hệ thống giao thông tập trung chủ đạo vào giao thông công cộng tại tỉnh Bình Dương

Số lần sửa đổi: Bản 6 (Thời gian: Tháng 3 năm 2015 – tháng 4 năm 2018)

Tên: Ông Michimasa TAKAGI/ Ông Yosui Seki

Chức vụ: Cố vấn trưởng/ Chính sách giao thông công cộng/ Cố vấn phó/ Quy hoạch giao thông đô thị

Ngày nộp: tháng 1 năm 2018

I. Tóm tắt**1 Tiến độ**

Bảng theo dõi này trình bày về quá trình thực hiện dự án từ **tháng 12 năm 2016 đến hết tháng 12 năm 2017**.

1.1 Tiến độ Đầu vào Dự án**1.1.1 Chuyên gia**

Vào thời điểm bắt đầu thực hiện dự án, Nhóm chuyên gia, với 11 vị trí chức danh, đã được phái cử đến tỉnh Bình Dương và thực hiện các hoạt động dự án. Tính đến hết tháng mười hai năm 2017 thời gian làm việc của tất cả các chuyên gia Nhóm Dự án JICA (JPT) là 44,76 tháng công (PMs), tương đương với 89,5% số tháng công theo kế hoạch trong năm thứ ba của hợp đồng được ký giữa JICA và các đơn vị tư vấn Nhật Bản.

Bảng 1: Đầu vào của Chuyên gia tính đến hết tháng 12 năm 2017

Phái cử chuyên gia	Tên	Số tháng công
Cố vấn trưởng/ Chính sách giao thông công cộng	M. TAKAGI	7.93
Cố vấn phó/ Lập kế hoạch giao thông đô thị	Y. SEKI	8.23
Phân tích nhu cầu giao thông	T. ODA	1.00
Quản lý giao thông/ TDM/ An toàn giao thông	K. NISHINO	5.00
Kế hoạch vận hành xe buýt 1	K. TAKATA	0.80
Kế hoạch vận hành xe buýt 2	M.SHIINO	2.77
Quản lý vận hành xe buýt	M. TAKATA	10.43
Lập kế hoạch các công trình liên quan đến xe buýt	S. IMADA	0.50
Quản lý đi lại	T. FUKUDA	3.00
Tham gia của cộng đồng/ quy hoạch liên quan đến cộng đồng 1	M. KOJIMA	1.97
Tham gia của cộng đồng/ quy hoạch liên quan đến cộng đồng 2	M. OHNO	2.63
Thực hiện dự án thí điểm	H. EGUCHI	1.33
Hệ thống pháp lý về thẻ vé điện tử	K. HONDA	2.00
TỔNG SỐ PMs		44.76 (89.5%)
PMs theo kế hoạch		50.00

1.2 Tiến độ thực hiện các hoạt động

1.2.1 Ủy ban điều phối chung và Hội nhóm công tác

Bốn buổi họp Ủy ban điều phối chung (JCC) và các buổi họp nhóm công tác đã được tổ chức trong giai đoạn này.

Bảng 2: Hội Ủy ban điều phối chung và Hội nhóm công tác

Các buổi họp đã được thực hiện	Đơn vị tham dự	Chương trình họp	Ngày
Họp JCC lần 1	Sở GTVT, Sở TC, Sở KH&ĐT, Sở XD, Sở NV, TTVTHKCC, Becamex IDC, Nhóm Dự án JICA, Công ty Tokyu	Thảo luận về Kế hoạch công việc Trình bày về thực trạng Vận tải Hành khách công cộng và các vấn đề của tỉnh Bình Dương Sửa đổi Biên bản thảo luận	12/5/2015
Nhóm công tác 1	Sở GTVT, TTVTHKCC, Nhóm Dự án JICA	Thảo luận về Kế hoạch Công việc của Đầu ra 1	20/05/2015
Nhóm công tác 3	Sở GTVT, TTVTHKCC, Nhóm Dự án JICA	Khái niệm về MM Các hoạt động & kế hoạch được đề xuất	17/06/2015
Nhóm công tác 1	Sở GTVT, TTVTHKCC, Nhóm Dự án JICA	Trình bày về kế hoạch khảo sát giao thông & khảo sát phỏng vấn & nội dung công việc của tư vấn phụ	17/06/2015
Nhóm công tác 2	TTVTHKCC, Nhóm Dự án JICA	Thảo luận về Kế hoạch công việc của Đầu ra 2 Chia sẻ thông tin về VTHKCC của tỉnh Bình Dương	19/06/2015
Nhóm công tác 2	TTVTHKCC, Nhóm Dự án JICA	Thảo luận về Kế hoạch công việc của Đầu ra 2 Thảo luận về thực trạng VTHKCC và công tác quản lý của tỉnh Bình Dương	25/06/2015
Nhóm công tác 2	TTVTHKCC, Nhóm Dự án JICA	Thảo luận về thực trạng VTHKCC và công tác quản lý của tỉnh Bình Dương (thảo luận tiếp và xác nhận thông tin)	03/07/2015
Nhóm công tác 3	Sở GTVT, TTVTHKCC, Nhóm Dự án JICA	Thảo luận về chương trình tư vấn đi lại có phản hồi (TFP) và Sổ tay kỹ năng cán bộ điều phối	17/07/2015
Nhóm công tác 1&2	Sở GTVT, TTVTHKCC, Nhóm Dự án JICA	Tiến độ thực hiện Khảo sát giao thông (đếm lưu lượng xe & khảo sát phỏng vấn) Kết quả sơ bộ Khảo sát thói quen đi lại của cán bộ công chức tỉnh Đề cương & ý tưởng về Dự án thí điểm Thẻ thông minh Các chính sách hỗ trợ phát triển Vận tải hành khách công cộng	07/08/2015
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm Dự án JICA	Báo cáo về tiến độ thực hiện Dự án - Trao đổi thông tin xác nhận về chương trình tập huấn tại Nhật Bản	12/08/2015
Nhóm công tác 1&2	Sở GTVT, TTVTHKCC, Nhóm Dự án JICA	Kết quả sơ bộ về Khảo sát thói quen đi lại của cán bộ công chức tỉnh tại Thành phố mới Bình Dương Kết quả khảo sát đi làm của công nhân viên tại các khu công nghiệp. Thảo luận phạm vi công việc của Khảo sát bãi đỗ xe Thảo luận về nguồn ngân sách đối ứng	12/08/2015
Nhóm công tác 1&2	Sở GTVT, TTVTHKCC, Nhóm Dự án JICA	Xác nhận nội dung về các chính sách hỗ trợ khuyến khích phát triển VTHKCC	25/08/2015
Họp với TS. Taniguchi	TS. Taniguchi, Sở GTVT, Sở TC, Sở KH&ĐT, Sở XD, TTVTHKCC, Becamex IDC, JICA	Thảo luận về tình hình VTHKCC trên địa bàn tỉnh Bình Dương Thảo luận nội dung tập huấn tại Nhật Bản	27/08/2015

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Các buổi họp đã được thực hiện	Đơn vị tham dự	Chương trình họp	Ngày
	HQ, Nhóm Dự án JICA, Công ty Tokyu		
Nhóm công tác 3	Sở GTVT, TTVTHKCC, Nhóm Dự án JICA	Thảo luận về các hoạt động MM	30/09/2015
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm Dự án JICA	Thảo luận về Kế hoạch thực hiện các hoạt động MM Xác nhận nội dung của Hội thảo chung	02/10/2015
Nhóm công tác 3	Sở GTVT, Nhóm Dự án JICA	Hội thảo nhỏ về Thói quen đi lại hàng ngày của cán bộ công chức tỉnh	22/10/2015
Họp với Giám đốc Sở GTVT	Sở GTVT, TTVTHKCC, Nhóm Dự án JICA	Xác nhận nội dung về Họp Ủy ban điều phối lần 2 Xác nhận về quy trình thực hiện Hội thảo chung	18/11/2015
Nhóm công tác 1&2	Sở GTVT, TTVTHKCC, Nhóm Dự án JICA	Thảo luận về các Giải pháp ưu tiên xe buýt và Giải pháp TDM Phân tích thay đổi về tỷ phần phương thức dựa theo kết quả Khảo sát thói quen đi lại của cán bộ công chức tỉnh Thảo luận về Hệ thống thẻ điện tử	18/11/2015
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm Dự án JICA	Xác nhận nội dung tài liệu Hội thảo chung	25/1/2015
Hội thảo chung	Sở GTVT, Sở TC, Sở KH&ĐT, Sở XD, Sở NV, TTVTHKCC, Becamex IDC, Nhóm Dự án JICA, Công ty xe buýt và đại diện các trường đại học, v.v.	Các giải pháp về Phát triển Vận tải hành khách công cộng ở các thành phố có quy mô trung bình tại Việt Nam + Các giải pháp ưu tiên giao thông công cộng và Quản lý nhu cầu giao thông + Chính sách Vận tải hành khách công cộng ở Việt Nam + Khác	01/12/2015
Nhóm công tác 1&3	Sở GTVT, TTVTHKCC, Nhóm dự án JICA	Thảo luận về các giải pháp TDM (Giờ làm việc chéo nhau và P&R) Xác nhận về mục tiêu/ đối tượng của các Hoạt động MM Thảo luận về Nhu cầu giao thông	03/12/2015
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm Dự án JICA	Bản thảo Biên bản họp Ủy ban điều phối lần 2	04/12/2015
Họp Ủy ban điều phối lần 2	Sở GTVT, Sở TC, Sở KH&ĐT, TT VTHKCC, Sở XD, Sở TCA, TT VTHKCC, Becamex IDC, Nhóm dự án JICA, Công ty Tokyu	Thảo luận về Báo cáo tiến độ	07/12/2015
Họp Nhóm công tác 3	Sở GTVT, TT VTHKCC và Nhóm dự án JICA	Thảo luận về Hoạt động thí điểm MM tập trung vào việc sử dụng các tuyến xe buýt Kaze mới	08/12/2015
Họp với Giám đốc Sở GTVT	Sở GTVT và Nhóm dự án JICA	Xác nhận nội dung về Hoạt động thí điểm MM	15/01/2016
Khảo sát tại trường ĐH Việt Đức	Sinh viên trường ĐH Việt Đức và Nhóm dự án JICA	Phiếu khảo sát phỏng vấn MM cho sinh viên của trường ĐH Việt Đức	18 & 19/01/2016
Họp Nhóm công tác 3	Sở GTVT, TT VTHKCC và Nhóm dự án JICA	Thảo luận về Hoạt động MM và Nội dung PR Khảo sát các vị trí bãi đỗ xe trung chuyển	21/01/2016
Họp với TT VTHKCC TP. HCM	TT VTHKCC TP. HCM và Nhóm dự án JICA	Thảo luận về Ứng dụng cho điện thoại thông minh để truy cập thông tin	22/01/2016
Họp với sinh viên trường ĐH Việt Đức	Sinh viên trường and Nhóm dự án JICA	Xác nhận Kế hoạch thực hiện Hoạt động MM	02/03/2016
Họp Nhóm công	Sở GTVT, TT VTHKCC	Khảo sát thực tế tại Trạm trung chuyển xe buýt mới	04/03//2016

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Các buổi họp đã được thực hiện	Đơn vị tham dự	Chương trình họp	Ngày
tác 2&3	và Nhóm dự án JICA	(Trạm trung chuyển Hikiari) Xác nhận kế hoạch thực hiện hoạt động MM	
Lễ khai trương các tuyến xe buýt mới	Sở GTVT, TT VTHKCC và Nhóm dự án JICA	Dự Lễ khai trương các tuyến xe buýt mới	08/03/2016
Họp với Giám đốc Sở GTVT	Sở GTVT và Nhóm dự án JICA	Xác nhận Kế hoạch thực hiện hoạt động MM	08/03/2016
Họp Nhóm công tác 3	Sở GTVT, TT VTHKCC và Nhóm dự án JICA	Thảo luận về nội dung Hội thảo MM	11/03/2016
Tập huấn điều phối viên cho Hội thảo MM	Sinh viên trường ĐH Việt Đức và Nhóm dự án JICA	Định hướng và tập huấn cho Điều phối viên về việc tổ chức Hội thảo MM	11/03/2016
Họp với Giám đốc Sở GTVT	Sở GTVT and Nhóm dự án JICA	Báo cáo tiến độ và thảo luận	16/03/2016
Họp trừ bị cho Hội thảo MM	Họp với sinh viên trường ĐH Việt Đức và Nhóm dự án JICA	Chuẩn bị tài liệu Xác nhận quy trình tổ chức hội thảo	16/03/2016
Họp Nhóm công tác 1	Sở GTVT, TT VTHKCC và Nhóm dự án JICA	Thảo luận về các giải pháp TDM	18/03/2016
Bài giảng của TS. Taniguchi về MM	Sở GTVT, TT VTHKCC, sinh viên trường ĐH Việt Đức và Nhóm dự án JICA	Bài giảng về MM + Cơ giới hoá và các vấn đề + Sự nan giải mang tính xã hội của ngành vận tải + Định nghĩa về Quản lý đi lại + Hoạt động quản lý đi lại ở Nhật Bản + Áp dụng vào Việt Nam	21/03/2016
Hội thảo MM lần 1	Sở GTVT, TT VTHKCC, Đơn vị VTHKCC, cán bộ công tác trong ngành vận tải và Nhóm dự án JICA	Giới thiệu về Dịch vụ xe buýt mới Khuyến khích đi làm bằng xe buýt Giới thiệu về Kế hoạch đi lại thông qua thảo luận/ làm việc nhóm	22/03/2016
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm dự án JICA	Xác nhận tiến độ Kết quả hội thảo MM Quy trình cần thiết về tập huấn tại Nhật Bản và Hội thảo MM	25/03/2016
Khảo sát thực địa	Becamex và Nhóm dự án JICA	Khảo sát thực địa Vị trí dự kiến thực hiện Dự án thí điểm bãi đỗ xe trung chuyển	28/03/2016
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm dự án JICA	Xác nhận tiến độ Quy trình cần thiết của Hội thảo MM	14/04/2016
Họp Nhóm công tác 2	Sở GTVT, TT VTHKCC, Nhóm dự án JICA	Lịch trình thực hiện và Kết cấu chung của Dự án thí điểm thẻ vé điện tử	14/04/2016
Họp với ĐH Việt Đức	ĐH Việt Đức và Nhóm dự án JICA	Ứng dụng thẻ vé điện tử cho người sử dụng xe buýt	20/04/2016
Họp Nhóm công tác 3	Sở GTVT, TT VTHKCC, Nhóm dự án JICA	Vị trí dự kiến phát triển bãi đỗ xe trung chuyển Thiết kế ý tưởng cho Bãi đỗ xe trung chuyển Ước tính công suất tối thiểu cần thiết cho các Bãi đỗ xe trung chuyển	22/04/2016
Hội thảo MM lần 2	Sở GTVT, Cán bộ công chức và Nhóm dự án JICA	Giới thiệu về Dịch vụ xe buýt mới Khuyến khích đi làm bằng xe buýt Giới thiệu về Kế hoạch đi lại thông qua thảo luận/ làm việc nhóm	27/04/2016
Họp thảo luận với các đơn vị VTHKCC của tỉnh	Sở GTVT, TT VTHKCC, Đơn vị VTHKCC của tỉnh và Nhóm dự án JICA	Các vấn đề hiện hữu liên quan đến việc vận hành xe buýt ở tỉnh Bình Dương Cung cấp thông tin về khuyến khích sử dụng xe buýt	29/04/2016
Xây dựng bãi đỗ xe trung chuyển	Becamex IDC & BTB và Nhóm dự án JICA	Vị trí đề xuất xây dựng các bãi đỗ xe trung chuyển Quy hoạch ý tưởng về Công trình Bãi đỗ	05/05/2016

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Các buổi họp đã được thực hiện	Đơn vị tham dự	Chương trình họp	Ngày
Phát triển bãi đỗ xe trung chuyển	Sở GTVT, Sở y tế và Nhóm dự án JICA	Thảo luận về quỹ đất để phát triển Bãi đỗ xe trung chuyển trong bệnh viện tỉnh	13/05/2016
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm dự án JICA	Thảo luận về phát triển các bãi đỗ xe trung chuyển và quy trình thực hiện. Chuẩn bị cho Họp Ủy ban điều phối lần 3	19/05/2016
Họp với UBND tỉnh Bình Dương	UBND tỉnh, Sở GTVT, các cơ quan hữu quan, Nhóm dự án JICA	Thông tin về tiến độ dự án và hỗ trợ từ UBND tỉnh về việc thực hiện dự án và Giao thông công cộng	24/05/2016
Họp Ủy ban điều phối lần 3	Sở GTVT, Sở Tài chính, DPI, MOPT, Sở XD, Sở Tài chính, TT VTHKCC, Becamex IDC, Nhóm dự án JICA, Tokyu Cor.	Thảo luận về tiến độ Dự án Công việc được thực hiện trong giai đoạn tiếp theo	25/05/2016
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm dự án JICA	Kế hoạch cải thiện hệ thống, Chính sách giá vé và phát triển bãi đỗ xe trung chuyển Đề xuất về việc thực hiện khảo sát thói quen đi lại của người dân	01/06/2016
Họp nhóm công tác 1&2	Sở GTVT, TT VTHKCC, Nhóm dự án JICA	Kế hoạch cải thiện hệ thống và Chính sách giá vé và phát triển bãi đỗ xe trung chuyển	01/06/2016
Họp với các cơ quan liên quan	Sở GTVT, Sở XD, Nhóm dự án JICA	Các nguyên tắc chính trong thiết kế mạng lưới xe buýt của tỉnh Bình Dương	17/06/2016
Hội thảo MM lần 3	Sở GTVT, cán bộ công chức và Nhóm dự án JICA	Giới thiệu về Dịch vụ xe buýt mới Khuyến khích đi làm bằng xe buýt Giới thiệu về Kế hoạch đi lại thông qua thảo luận/ làm việc nhóm	22/06/2016
Họp với đoàn tham dự tập huấn tại Nhật Bản lần 2	Sở GTVT, PC and Nhóm dự án JICA	Giới thiệu về kế hoạch và nội dung tập huấn	01/07/2016
Họp nhóm công tác 1&2&3	DO, Becamex, BTB and Nhóm dự án JICA	Xác nhận trách nhiệm của các bên liên quan trong việc phát triển các công trình Bãi đỗ xe trung chuyển. Kế hoạch thực hiện các hoạt động MM trong thời gian từ tháng 6 đến tháng 8 Thảo luận về Chương trình thí điểm thẻ vé điện tử	01/07/2016
Hội thảo MM lần 4	Sở GTVT, cán bộ công chức và Nhóm dự án JICA	Giới thiệu về Dịch vụ xe buýt mới Khuyến khích đi làm bằng xe buýt Giới thiệu về Kế hoạch đi lại thông qua thảo luận/ làm việc nhóm	18/07/2016
Họp nhóm công tác 3	Sở GTVT and Nhóm dự án JICA	Báo cáo kết quả thực hiện các hoạt động MM tại Khu dân cư & Ngày đi xe buýt miễn phí	24/08/2016
Hội thảo MM lần 5	Sở GTVT, cán bộ công chức và Nhóm dự án JICA	Giới thiệu về Dịch vụ xe buýt mới Khuyến khích đi làm bằng xe buýt Giới thiệu về Kế hoạch đi lại thông qua thảo luận/ làm việc nhóm	24/08/2016
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm dự án JICA	Báo cáo kết quả thực hiện các hoạt động MM tại Khu dân cư & Ngày đi xe buýt miễn phí	06/06/2016
Hoạt động MM tại trường ĐH quốc tế miền Đông	EIU & Nhóm dự án JICA	Thảo luận về hoạt động Quản lý đi lại tại trường đại học và kế hoạch thực hiện	16/09/2016
Họp với Giám đốc Sở GTVT	Sở GTVT and Nhóm dự án JICA	Thảo luận về các hoạt động tiếp theo sẽ được thực hiện trong thời gian tới	05/10/2016
Họp với Giám đốc Sở GTVT	Sở GTVT and Nhóm dự án JICA	Thảo luận về Họp Ủy ban điều phối	21/10/2016
Họp với UBND	UBND tỉnh, Sở GTVT,	Báo cáo về tiến độ dự án	07/11/2016

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Các buổi họp đã được thực hiện	Đơn vị tham dự	Chương trình họp	Ngày
tỉnh Bình Dương	các cơ quan hữu quan, Nhóm dự án JICA	Trợ giá và các chính sách hỗ trợ khác để thúc đẩy phát triển vận tải hành khách công cộng bằng xe buýt	
Họp với công ty xe buýt	Sở GTVT, TT VTHKCC, các công ty xe buýt và Nhóm dự án JICA	Các vấn đề hiện tại liên quan đến hoạt động xe buýt ở tỉnh Bình Dương Giới thiệu về tuyến thí điểm để áp dụng cho các tuyến xe buýt khác Xây dựng Nhóm công tác mới	08/11/2016
Họp Nhóm công tác 2	TT VTHKCC and Nhóm dự án JICA	Tình hình trợ giá ở Bình Dương trước năm 2013.	28/11/2016
Họp Ủy ban điều phối lần 4	Sở GTVT, Sở Tài chính, DPI, TT VTHKCC, Sở XD, Sở Tài chính, TT VTHKCC, Becamex IDC, Nhóm dự án JICA, Tokyu Cor.	Thảo luận về tiến độ Dự án Công việc được thực hiện trong giai đoạn tiếp theo	8/12/2016
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm dự án JICA	Báo cáo về kết quả các hoạt động MM ở trường Ngô Thời Nhiệm và đề xuất nhân rộng kết quả thực hiện các hoạt động này ở các trường tiểu học khác	27/12/2017
Họp với các cơ quan liên quan	BTI & BTB, IDC và Nhóm chuyên gia JICA	Xây dựng P&R: mở rộng bãi đỗ xe tại Becamex Tower và bố trí riêng khu vực gửi xe P&R	12/01/2017
Họp nhóm công tác 2 & 3	Sở GTVT, DOT, MOPCT, BTB, Phòng quản lý đô thị TP. Thủ Dầu Một và Nhóm chuyên gia JICA	Xây dựng P&R Đề xuất cải thiện trạm dừng Chùa Bà Thiên Hậu	02/03/2017
Họp với các cơ quan liên quan	BTI, BTB và Nhóm chuyên gia JICA	Công tác chuẩn bị của Bãi đỗ xe trung chuyển P&R tại Becamex Tower	02/03/2017
Họp với các cơ quan liên quan	BTI & BTB, IDC và Nhóm chuyên gia JICA	Công tác chuẩn bị của Bãi đỗ xe trung chuyển P&R tại Becamex Tower	22/03/2017
Họp với các cơ quan liên quan	BIT & Nhóm chuyên gia JICA	Công tác chuẩn bị của Bãi đỗ xe trung chuyển P&R tại Becamex Tower	17/04/2017
Họp thảo luận với các đơn vị VTHKCC của tỉnh	Sở GTVT, TT VTHKCC, Công ty xe buýt và Nhóm chuyên gia JICA	Đề xuất cải thiện trạm dừng Chùa Bà Thiên Hậu Thực hiện Khảo sát về đào tạo và tập huấn cho nhân viên lái xe và phụ xe	15/05/2017
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm dự án JICA	Chuẩn bị lễ Khai trương Bãi đỗ xe trung chuyển tại toà nhà Becamex Thảo luận về các hoạt động của dự án sẽ được thực hiện	19/05/2017
Họp thảo luận với các đơn vị VTHKCC của tỉnh	Hợp tác xã vận tải Bình Dương, Bến Cát, 19/5 và Nhóm chuyên gia JICA	Thảo luận về an toàn giao thông (tập trung vào vận tải hành khách công cộng)	30&31/05/2017
Họp nhóm công tác 2 & 3	Sở GTVT, TT VTHKCC, JPT	Bố trí chung của Bãi đỗ xe P&R tại Lê Thị Trung & Thư viện tỉnh	31/05/2017
Họp với Công ty xe buýt Phương Trinh	Công ty xe buýt Phương Trinh & JPT	Thảo luận về khả năng tham gia các hoạt động của dự án và trao đổi về an toàn giao thông (tập trung vào vận tải hành khách công cộng)	05/06/2017
Họp với các cơ quan liên quan	IDC, Sở GTVT, TT VTHKCC và Nhóm chuyên gia JICA	Thảo luận các công tác chuẩn bị cho Bãi đỗ xe trung chuyển tại Lê Thị Trung và Thư viện tỉnh	05/06/2017

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Các buổi họp đã được thực hiện	Đơn vị tham dự	Chương trình họp	Ngày
Họp nhóm công tác 2 & 3	Sở GTVT, MOPCT, và Nhóm chuyên gia JICA	Kết quả khảo sát an toàn giao thông và đề xuất các hoạt động MM	09/06/2017
Hội thảo về trợ giá và vốn vay ưu đãi cho VTHKCC ở Bình Dương	Sở GTVT, Sở TNMT, Chi cục thuế, Sở KH&CN, Sở VH, TT& Du lịch, TT VTHKCC, các công ty VTHKCC và Hiệp hội vận tải tỉnh Bình Dương	Chính sách giá vé của VTHKCC của các thành phố lớn trên thế giới Trợ giá VTHKCC bằng xe buýt (Hỗ trợ của nhà nước) ở Tokyo, Nhật Bản Chính sách trợ giá và vốn vay ưu đãi của VTHKCC ở Việt Nam Thảo luận	23/06/2017
Họp Ủy ban điều phối lần 5	Sở GTVT, Sở TC, Sở KH&ĐT, TT VTHKCC, Sở XD, Sở TCA, TT VTHKCC, Becamex IDC, Nhóm dự án JICA, Công ty Tokyu	Thảo luận về Báo cáo tiến độ Các công tác sẽ thực hiện trong giai đoạn tiếp theo	21/07/2017
Họp Nhóm công tác 3	Sở GTVT, Sở GD&ĐT, & Nhóm dự án JICA	Thảo luận kế hoạch và nội dung thực hiện các hoạt động MM cho học sinh tiểu học	25/07/2017
Họp Nhóm công tác 3	Sở GTVT & Nhóm dự án JICA	Thông báo cho Sở GTVT về sai sót trong việc tính phí gửi xe cho hành khách do lỗi phần mềm. Tài liệu PR về Bãi đỗ xe trung chuyển Lê Thị Trung	08/08/2017
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm dự án JICA	Chính sách trợ giá trong Kế hoạch cải thiện VTKHCC bằng xe buýt của tỉnh Bình Dương	15/08/2017
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm dự án JICA	Thảo luận thêm về các nội dung bổ sung của Chính sách trợ giá trong Kế hoạch cải thiện VTKHCC bằng xe buýt của tỉnh Bình Dương Điều chỉnh Kế hoạch cải thiện Trạm dừng Chùa Bà Thiên Hậu	22/09/2017
Họp Nhóm công tác 2	Sở GTVT, Sở Thông tin & truyền thông và Nhóm Dự án JICA	Thảo luận về Kế hoạch mở rộng ứng dụng thẻ điện tử	06/10/2017
Họp với Giám đốc Sở GTVT	Sở GTVT, Nhóm dự án JICA	Thảo luận thêm về các nội dung bổ sung của Chính sách trợ giá trong Kế hoạch cải thiện VTKHCC bằng xe buýt của tỉnh Bình Dương	11 /10/2017
Họp Nhóm công tác 3	DOT, BTB, Trường Petrus Ky và Nhóm dự án JICA	Trao đổi về các hoạt động MM với giáo viên trường Petrus Ky	11/11/ 2017
Họp Nhóm công tác 1	DOT, MOCPT and JICA Project Team	Xây dựng biểu đồ giờ xe buýt Tiếp tục miễn phí cho hành khách đi xe buýt gửi xe tại Bãi đỗ xe trung chuyển Becamex Tower	27/11/2017

1.2.2 Đầu ra 1: Xây dựng kế hoạch cải thiện hệ thống xe buýt

Kết quả và kế hoạch thực hiện các hoạt động của Đầu ra 1 được nêu trong bảng dưới đây.

Bảng 3: Tiến độ các Hoạt động của Đầu ra 1

Hoạt động và Nội dung công việc	Các Hoạt động	Tiến độ thực hiện	Hoạt động trong 6 tháng tiếp theo
1.1. Thu thập và rà soát các thông tin cần thiết (Nội dung công việc số 5)	<ul style="list-style-type: none"> - Thu thập số liệu đầu vào để dự báo nhu cầu giao thông bao gồm: <ul style="list-style-type: none"> ✓ Số liệu kinh tế - xã hội: Báo cáo thống kê và số liệu cần thiết để dự báo nhu cầu giao thông (GDP, dân số, sở hữu phương tiện, v.v.) ✓ Quy hoạch và nghiên cứu hiện tại: thông tin và số liệu liên quan đến "Quy hoạch tổng thể giao thông vận tải đến năm 2020" ✓ Mạng lưới đường bộ và hệ thống VTHKCC (thông tin mới nhất): tình hình thi công đường bộ ở Bình Dương song song với điều kiện vận hành xe buýt. ✓ Luật pháp, quy định và chính sách liên quan đến lĩnh vực giao thông đô thị: luật/ng nghị định liên quan đến giao thông vận tải ✓ Nguồn tài chính/ ngân sách: Nguồn tài chính/ ngân sách cho xây dựng hạ tầng giao thông và trợ giá cho các đơn vị VTHKCC ✓ Tình hình thu thập, quản lý và sử dụng Số liệu giao thông: Các số liệu (liên quan đến xe buýt) do Trung tâm VTHKCC quản lý và (liên quan đến cơ sở hạ tầng) do Sở GTVT quản lý ✓ Số liệu về số hộ nghèo, giới tính, v.v.: Các số liệu liên quan đến giới tính, dân số theo độ tuổi, số người khuyết tật và số liệu về thu nhập, v.v. 	- Hoàn thành	- Không có hoạt động nào (N/A)

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Hoạt động và Nội dung công việc	Các Hoạt động	Tiến độ thực hiện	Hoạt động trong 6 tháng tiếp theo
<p>1.2. Thực hiện khảo sát thực địa về giao thông đô thị (khảo sát đếm lưu lượng xe, khảo sát thói quen đi lại của người dân, khảo sát hoạt động xe buýt và hành khách, khảo sát mức độ nhận thức về an toàn giao thông) (Nội dung công việc số 9)</p>	<ul style="list-style-type: none"> - Thực hiện rà soát và phân tích số liệu giao thông hiện có - Thực hiện khảo sát giao thông và phân tích kết quả: <ul style="list-style-type: none"> ✓ khảo sát đếm lưu lượng phương tiện ✓ khảo sát phỏng vấn hành khách xe buýt ✓ khảo sát bãi đỗ xe - Xây dựng mô hình dự báo nhu cầu giao thông - Thực hiện các đợt khảo sát hành vi đi lại và phân tích kết quả như sau: <ul style="list-style-type: none"> ✓ khảo sát khu vực sinh sống của cán bộ công chức tỉnh làm việc tại Trung tâm hành chính ✓ khảo sát mô hình đi lại của cán bộ công chức tỉnh làm việc tại Trung tâm hành chính. ✓ khảo sát mô hình đi lại của công nhân viên làm việc tại các công ty Nhật Bản ở các khu công nghiệp. ✓ khảo sát phỏng vấn tại Khu công nghiệp VSIP-II để hiểu về mô hình đi lại thực tế của công nhân viên 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành 	<ul style="list-style-type: none"> - Không có hoạt động nào (N/A)
<p>1.3. Rà soát Quy hoạch đô thị và Quy hoạch tổng thể giao thông đô thị của tỉnh Bình Dương theo kết quả khảo sát thực tế và xác định các vấn đề về giao thông công cộng. (Nội dung công việc số 10)</p>	<ul style="list-style-type: none"> - Thực hiện rà soát quy hoạch tổng thể giao thông vận tải của tỉnh. 	<ul style="list-style-type: none"> - Hoàn thành 	<ul style="list-style-type: none"> - Không có hoạt động (N/A)
<p>1.4. Đánh giá các chính sách ưu tiên giao thông công cộng và các giải pháp TDM cũng như nhận diện các vấn đề và xây dựng Khung dự án hiệu quả. (Nội dung công việc số 11)</p>	<ul style="list-style-type: none"> - Các chính sách ưu tiên VTHKCC và chính sách TDM đã được kiểm tra. - Thực hiện Hội nhóm công tác để trình bày về kết quả phân tích nhu cầu giao thông và thảo luận TDM, tập trung vào chính sách ưu tiên xe buýt. - Thực hiện hội thảo/ hội nghị 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành 	<ul style="list-style-type: none"> - Không có hoạt động (N/A)

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Hoạt động và Nội dung công việc	Các Hoạt động	Tiến độ thực hiện	Hoạt động trong 6 tháng tiếp theo
	<p>chuyên đề và các hoạt động PR có sự tham dự của người dân về các vấn đề giao thông đô thị (Hội thảo chung, ngày 1/12/2015)</p> <ul style="list-style-type: none"> - Bài giảng của TS. Taniguchi về MM vào ngày 22 tháng 3 năm 2016 - Tổ chức họp với các đơn vị vận tải hành khách công cộng vào ngày 29 tháng 4 năm 2016. 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành 	
<p>1.5. Nghiên cứu hệ thống mạng lưới xe buýt dựa trên Dự báo nhu cầu giao thông. (Nội dung công việc số 12)</p>	<ul style="list-style-type: none"> - Ước tính được Nhu cầu giao thông trong tương lai - Thực hiện phân tích nhu cầu giao thông trên hành lang tuyến - Nhận diện được các vấn đề về Quy hoạch mạng lưới xe buýt hiện tại - Thực hiện quy hoạch/ phân tích mạng lưới xe buýt mới - Nghiên cứu điều chỉnh các tuyến xe buýt ở khu vực đô thị để kết nối với Tuyến Metro số 1 - Xây dựng các hoạt động thí điểm để cải thiện chất lượng dịch vụ VTHKCC bắt đầu với các đơn vị vận tải của tỉnh - Xây dựng và đề xuất kế hoạch cải thiện VTHKCC cho tỉnh Bình Dương 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Đang thực hiện - Đang thực hiện - Hoàn thành 	<ul style="list-style-type: none"> - Hoàn chỉnh quy hoạch mạng lưới xe buýt theo Nội dung công việc 1.8
<p>1.6. Nghiên cứu Vận hành xe buýt và Cơ chế giá vé bao gồm vé tháng và trợ giá. (Nội dung công việc số 13)</p>	<ul style="list-style-type: none"> - Tổ chức họp với các đơn vị VTHKCC trên địa bàn tỉnh để thu thập thông tin cần thiết về Hoạt động xe buýt hiện tại - Kiểm tra kế hoạch hoạt động xe buýt - Kiểm tra chính sách giá vé - Tổ chức hội thảo về "Chính sách giá vé và Trợ giá cho vận tải hành khách công cộng bằng xe buýt" 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành 	

Hoạt động và Nội dung công việc	Các Hoạt động	Tiến độ thực hiện	Hoạt động trong 6 tháng tiếp theo
1.7. Kiểm tra các chính sách về bãi đỗ xe ở các trung tâm thương mại và ở Thành phố mới Bình Dương (Nội dung công việc số 14)	<ul style="list-style-type: none"> - Thực hiện Khảo sát về Bãi đỗ xe trung chuyển để đánh giá mức độ cần thiết của việc phát triển các bãi đỗ xe trung chuyển - Phân tích tình hình bãi đỗ hiện tại và rà soát chính sách bãi đỗ - Kiểm tra/ đánh giá chính sách bãi đỗ 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành 	- Không có hoạt động (N/A)
1.8. Xây dựng Kế hoạch cải thiện hệ thống xe buýt. (Nội dung công việc số 15)	<ul style="list-style-type: none"> - Xây dựng kế hoạch cải thiện hệ thống xe buýt dựa theo kết quả của hoạt động 1.2 đến 1.7 (tháng 7 – tháng 11 năm 2017) - Nghiên cứu điều chỉnh các tuyến xe buýt ở khu vực đô thị để kết nối với Tuyến Metro số 1 - Xây dựng kế hoạch cải thiện hệ thống xe buýt 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành 	- Không có hoạt động (N/A)
1.9. Thực hiện Khảo sát đường cơ sở để đánh giá năng lực của các cơ quan và cán bộ đối tác tại thời điểm hiện tại và xây dựng các chỉ tiêu đánh giá giữa kỳ và cuối kỳ. (Nội dung công việc số 6,7 and 8)	<ul style="list-style-type: none"> - Xây dựng Bảng câu hỏi về Khảo sát đường cơ sở - Thực hiện Khảo sát đường cơ sở lần đầu cho cán bộ đối tác - Xây dựng kế hoạch tập huấn - Xác định các chỉ số kiểm chứng và mục tiêu - Xây dựng kế hoạch và thực hiện chương trình tập huấn ở Nhật Bản (14-19 tháng 9 năm 2015) - Lên kế hoạch và thực hiện chương trình tập huấn lần 2 ở Nhật Bản - Thực hiện Khảo sát đánh giá cho cán bộ đối tác 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Đang thực hiện 	- Thực hiện Khảo sát đánh giá cho cán bộ đối tác

1.2.3 Đầu ra 2: Kiểm tra các giải pháp để nâng cao chất lượng dịch vụ xe buýt và thực hiện dự án thí điểm.

Kết quả và kế hoạch thực hiện các hoạt động của Đầu ra 2 được nêu trong bảng dưới đây.

Bảng 4: Tiến độ các Hoạt động của Đầu ra 2

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Hoạt động và Nội dung công việc	Các Hoạt động	Tiến độ	Hoạt động trong 6 tháng tiếp theo
2.1. Kiểm tra và xác định định hướng thực hiện cải thiện chất lượng dịch vụ xe buýt. (Nội dung công việc số 16)	<ul style="list-style-type: none"> - Hiểu tình hình thực tế và nghiên cứu chính sách cải thiện mức độ dịch vụ xe buýt - Thực hiện khảo sát thực địa tại Bến xe Bến Cát - Kiểm tra điều kiện để đưa vào sử dụng hệ thống thẻ điện tử (IC-Card) - Tổ chức họp với các đơn vị VTHKCC trên địa bàn tỉnh 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành 	- Không có hoạt động (N/A)
2.2. Giới thiệu hệ thống quản lý và vận hành xe buýt đúng giờ thông qua việc cung cấp thông tin thời gian biểu hoạt động xe buýt dọc theo tuyến dự án thí điểm. (Nội dung công việc số 17)	<ul style="list-style-type: none"> - Kiểm tra quy hoạch tuyến xe buýt mới và kế hoạch hoạt động dựa trên kết quả khảo sát thói quen đi lại - Phân tích kết quả khảo sát hành khách xe buýt - Xây dựng thời gian biểu xe buýt và xây dựng cơ chế quản lý vận hành - Thực hiện và đánh giá tuyến xe buýt của dự án thí điểm 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành 	- Không có hoạt động (N/A)
2.3. Sử dụng hệ thống thẻ vé điện tử (IC-Card) trên tuyến dự án thí điểm và xây dựng cơ chế để quản lý và vận hành hệ thống thẻ vé điện tử. (Nội dung công việc số 18)	<ul style="list-style-type: none"> - Rà soát các tiêu chuẩn kỹ thuật của Việt Nam về thẻ vé điện tử - Kiểm tra các yêu cầu, thiết bị và quy cách kỹ thuật cần thiết của hệ thống thẻ vé điện tử - Rà soát các quy định pháp luật của Việt Nam về thẻ IC - Kiểm tra các điều kiện cần thiết, bao gồm thiết bị và tiêu chí kỹ thuật của hệ thống thẻ vé điện tử - Kiểm tra khả năng tương tác của thẻ vé điện tử với các phương thức giao thông khác và các lĩnh vực khác - Mua sắm thiết bị, xây dựng hệ thống và thử nghiệm và kiểm nghiệm - Thực hiện và đánh giá dự án thí 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Đang thực hiện 	- Tiếp tục thực hiện các hoạt động

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Hoạt động và Nội dung công việc	Các Hoạt động	Tiến độ	Hoạt động trong 6 tháng tiếp theo
	điểm		
2.4. Theo dõi để kiểm tra thái độ phục vụ hành khách của lái xe và phụ xe. (Nội dung công việc số 19)	<ul style="list-style-type: none"> - Sử dụng kế hoạch giám sát để kiểm tra thái độ phục vụ hành khách của các đơn vị vận hành xe buýt và đội xe - Thực hiện khảo sát trao đổi với các đơn vị vận tải địa phương - Chuyển giao kỹ thuật cho các công ty xe buýt khác 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Đang thực hiện 	- Tiếp tục thực hiện các hoạt động
2.5. Thực hiện các giải pháp an toàn giao thông dọc các hành lang thí điểm giữa thành phố Thủ Dầu Một và thành phố mới Bình Dương. (Nội dung công việc số 20)	<ul style="list-style-type: none"> - Tổ chức họp với các đơn vị VTHKCC để trao đổi ý kiến - Xây dựng giải pháp an toàn dọc theo hành lang tuyến xe buýt 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành 	- Không có hoạt động (N/A)

1.2.4 Đầu ra 3: Cùng với các tổ chức và cộng đồng xây dựng và thực hiện các hoạt động quản lý đi lại để tăng lượng sử dụng xe buýt.

Kết quả và kế hoạch thực hiện các hoạt động của Đầu ra 3 được nêu trong bảng dưới đây.

Bảng 5: Tiến độ thực hiện các Hoạt động của Đầu ra 3

Hoạt động và Nội dung công việc	Tiến độ thực hiện các Hoạt động		Hoạt động trong 6 tháng tiếp theo
3.1. Nghiên cứu các chính sách và giải pháp về quản lý đi lại. (Nội dung công việc số 21)	<ul style="list-style-type: none"> - Kiểm tra mô hình đi lại hiện tại để xác định các nhóm đối tượng mục tiêu của MM và các hoạt động MM - Xây dựng tài liệu hướng dẫn về MM - Thực hiện khảo sát và phân tích Phiếu khảo sát để hiểu về đặc điểm thói quen đi lại 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành 	- Không có hoạt động nào (N/A)
3.2. Cải thiện kỹ năng truyền thông. (Nội dung công việc số 23)	<ul style="list-style-type: none"> - Thực hiện các bài giảng về MM cho đối tác - Đã thực hiện tập huấn kỹ thuật về tổ chức Hội thảo MM 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành 	- Không có hoạt động nào (N/A)
3.3. Nghiên cứu/ thực hiện các hoạt động quản lý đi lại cùng với các doanh nghiệp và cộng đồng địa phương để khuyến khích vận tải hành khách công cộng cũng như giới thiệu hệ thống phụ cấp vé tháng của các doanh nghiệp. (Nội dung công việc số 22 và 24)	<ul style="list-style-type: none"> - Soạn thảo các tài liệu truyền thông <ul style="list-style-type: none"> ✓ Dự thảo bản đồ tuyến buýt ✓ Standee, Banner và dán decal truyền truyền trên nửa thân xe buýt để khuyến khích sử dụng xe buýt - Xây dựng xong kế hoạch hoạt động MM. - Thực hiện phân tích kết quả khảo sát <ul style="list-style-type: none"> ✓ Khảo sát mô hình đi lại của các cán bộ công chức ở Trung tâm hành chính tỉnh. ✓ Khảo sát mô hình đi lại của cán bộ công nhân viên các công ty Nhật Bản trong các Khu công 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành 	<ul style="list-style-type: none"> - Thực hiện và đánh giá MM (tiếp tục) - Thực hiện các hoạt động MM cho đối tượng học sinh tiểu học và chuyển giao kỹ thuật cho giao viên tiểu học để tiếp tục thực hiện các hoạt động MM sau khi kết thúc dự án

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Hoạt động và Nội dung công việc	Tiến độ thực hiện các Hoạt động		Hoạt động trong 6 tháng tiếp theo
	<p>ngiệp.</p> <ul style="list-style-type: none"> ✓ Khảo sát phỏng vấn tại khu VSIP-II để hiểu về mô hình đi lại thực tế của cán bộ công nhân viên - Thực hiện khảo sát phỏng vấn công nhân viên tại Tòa Nhà Becamex Tower và Công ty xe buýt Becamex Tokyu - Thực hiện hội thảo chung EASTS-JSCE tại trường Đại học Việt Đức - Thực hiện Hội thảo MM tập trung vào cán bộ công chức (5 lần) - Thực hiện Hoạt động MM tập trung vào sinh viên - Thực hiện hoạt động MM cho người dân ở Thủ Dầu Một - Phát tài liệu và thực hiện khảo sát về bãi đỗ xe trung chuyển P&R tập trung vào cán bộ công chức, người dân địa phương, công nhân viên làm việc tại tòa nhà Becamex Tower và sinh viên các trường đại học - Thực hiện hoạt động MM tại các trường tiểu học ở TP. Thủ Dầu Một 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Đang thực hiện 	
<p>3.4. Nghiên cứu/ thực hiện các hoạt động quản lý đi lại để khuyến khích phát triển Bãi đỗ xe trung chuyển cho hành khách xe buýt (Nội dung công việc số 25)</p>	<ul style="list-style-type: none"> - Thực hiện xây dựng Quy hoạch ý tưởng cho các vị trí dự kiến phát triển bãi đỗ xe trung chuyển của Dự án thí điểm 	<ul style="list-style-type: none"> - Hoàn thành 	<ul style="list-style-type: none"> - Hoàn thành công tác chuẩn bị và thi công Công trình Bãi đỗ xe trung chuyển ở Thư viện tỉnh và Lê Thị

PM Biểu mẫu 3-1 Báo cáo tóm tắt Bảng theo dõi

Hoạt động và Nội dung công việc	Tiến độ thực hiện các Hoạt động		Hoạt động trong 6 tháng tiếp theo
	<ul style="list-style-type: none"> - Dự thảo kế hoạch thực hiện Dự án thí điểm về Bãi đỗ xe trung chuyển - Kiểm tra khả năng tương tác giữa thẻ điện tử Free Pass trên xe buýt và hệ thống thu vé bãi đỗ xe - Xây dựng quy trình cần thiết để thực hiện Dự án thí điểm Bãi đỗ xe trung chuyển - Đưa vào hoạt động bãi đỗ xe trung chuyển P&R có thể tích hợp với thẻ vé điện tử đi xe buýt - Hoàn thành công tác chuẩn bị và xây dựng công trình bãi đỗ xe của Dự án thí điểm Bãi đỗ xe trung chuyển P&R - Thực hiện Dự án thí điểm Bãi đỗ xe trung chuyển P&R 	<ul style="list-style-type: none"> - Hoàn thành - Hoàn thành - Hoàn thành - Hoàn thành - Đang thực hiện - Đang thực hiện 	<p>Trung</p> <ul style="list-style-type: none"> - Thực hiện dự án thí điểm Bãi đỗ xe trung chuyển P&R

1.3 Kết quả đạt được của Đầu ra

Kết quả đạt được của Đầu ra 1 hiện tại như sau.

Bảng 6: Các chỉ số kiểm chứng và tình hình thực tế

Chỉ số kiểm chứng khách quan	Đường cơ sở	Tình hình thực tế
1.1. Từng công việc trong xây dựng kế hoạch cải thiện hệ thống xe buýt được thực hiện hoàn tất	- Không có. (chỉ có QH Tổng thể phát triển GTCC, quyết định số 4291/QĐ-UBND, ngày 24 tháng 12 năm 2014)	- Nội dung kế hoạch cải thiện hệ thống xe buýt đang được kiểm tra. - Đã tổ chức hội thảo về chính sách giá vé và trợ giá cho Vận tải hành khách công cộng bằng xe buýt

Nguồn: PDM 1.1

1.3.1 Đầu ra 2

Kết quả đạt được của Đầu ra 2 hiện tại như sau.

Bảng 7: Các chỉ số kiểm chứng và tình hình thực tế (Đang xem xét)

Chỉ số kiểm chứng khách quan	Đường cơ sở	Tình hình thực tế
2.1. Xác định được định hướng thực hiện cải thiện chất lượng dịch vụ xe buýt	- Không có. (chỉ có QH Tổng thể phát triển GTCC, quyết định số 4291/QĐ-UBND, ngày 24 tháng 12 năm 2014)	- Đã thực hiện khảo sát lấy ý kiến người sử dụng xe buýt - Đã tổ chức họp với công ty xe buýt địa phương
2.2. Các giải pháp để đảm bảo và cải thiện hoạt động xe buýt đúng giờ được đưa vào áp dụng	- 1 tuyến	- Mở rộng lên thành 6 tuyến - Công tác điều hành xe buýt, bao gồm thời gian biểu đã được cập nhật vào tháng 1 năm 2017.
2.3. Đưa vào sử dụng hệ thống thẻ vé điện tử và xây dựng thể chế để quản lý và vận hành hệ thống thẻ vé điện tử xe buýt.	- Không có	- Đã xây dựng được tiêu chí kỹ thuật về Hệ thống thẻ IC cho dự án thí điểm - Đã phát hành thẻ vé tháng kể từ tháng 4 năm 2017
2.4. Giám sát để cải thiện thái độ phục vụ của lái xe và phụ xe với hành khách	- Không có	- Tập huấn cho lái xe của các tuyến xe buýt thí điểm đã được thực hiện
2.5. Thực hiện các giải pháp về an toàn giao thông dọc theo các hành lang dự án giữa TP. Thủ Dầu Một và thành phố mới.	- Không có	- Đã thu thập và chuẩn bị tài liệu về các vị trí thường xuyên xảy ra tai nạn giao thông dọc các hành lang xe buýt

Nguồn: PDM 1.1

1.3.2 Đầu ra 3

Kết quả đạt được của Đầu ra 3 hiện tại như sau.

Bảng 8: Các chỉ số kiểm chứng và tình hình thực tế (Đang xem xét)

Chỉ số kiểm chứng khách quan	Đường cơ sở	Tình hình thực tế
3.1. Đạt được các chính sách và giải pháp về quản lý đi lại và phát triển kỹ năng truyền thông.	<ul style="list-style-type: none"> - Chưa có chính sách và giải pháp - Điểm đánh giá của khảo sát đường cơ sở lần đầu là 2,2 	<ul style="list-style-type: none"> - Đã xây dựng kế hoạch hoạt động MM. - Đã tổ chức tập huấn điều phối viên và thực hiện các bài giảng.
3.2. Cùng với các doanh nghiệp và cộng đồng địa phương thực hiện các hoạt động quản lý đi lại để khuyến khích sử dụng VTHKCC.	<ul style="list-style-type: none"> - Không có. 	<ul style="list-style-type: none"> - 5 buổi hội thảo MM cho các bộ công chức và thực hiện các hoạt động MM cho sinh viên và thực hiện các hoạt động MM cho người dân ở Thành phố mới Bình Dương đã được tổ chức - Triển khai hoạt động MM tại các trường tiểu học
3.3. Thực hiện các hoạt động quản lý đi lại để khuyến khích phát triển Bãi đỗ xe trung chuyển cho hành khách xe buýt.	<ul style="list-style-type: none"> - Không có. 	<ul style="list-style-type: none"> - Kế hoạch thực hiện Dự án thí điểm bãi đỗ xe trung chuyển đã được xây dựng - Các Bãi đỗ xe trung chuyển P&R tại tòa nhà Becamex và trên đường Lê Thị Trung đã được đưa vào vận hành

Nguồn: PDM 1.1

1.4 Kết quả đạt được theo Mục đích của dự án

Như đã được trình bày trong PDM, kết quả đạt được theo mục đích của dự án sẽ được đánh giá thông qua các chỉ số kiểm chứng.

Bảng 9: Các chỉ số kiểm chứng và tình hình thực tế

Chỉ số kiểm chứng khách quan	Đường cơ sở	Tình hình thực tế
<ul style="list-style-type: none"> - Đối tác (C/P) chuẩn bị/ thực hiện các công tác dưới đây với cách thức tiếp cận phù hợp cùng với các chuyên gia JICA ✓ Kế hoạch cải thiện hệ thống xe buýt ✓ Các dự án thí điểm/ các hoạt động quản lý đi lại 	<ul style="list-style-type: none"> - Không có 	<ul style="list-style-type: none"> - Chính sách trợ giá cho Vận tải hành khách công cộng mới đã được xây dựng - Kế hoạch cải thiện hệ thống xe buýt đang được xây dựng - Các giải pháp về đảm bảo hoạt động xe buýt đúng giờ cho các tuyến thí điểm của dự án đã được thực hiện - Hệ thống thẻ vé IC trên các tuyến xe buýt thí điểm của dự án đã

Chỉ số kiểm chứng khách quan	Đường cơ sở	Tình hình thực tế
	<ul style="list-style-type: none"> - Các điểm đánh giá năng lực cho từng đầu ra theo khảo sát đường cơ sở lần một tương ứng là 3.,15, 2,77 và 2,22 và lần 2 tương ứng là 3,65, 3,14 và 3,05. 	<ul style="list-style-type: none"> - được đưa vào sử dụng. - Chương trình giám sát để kiểm tra thái độ phục vụ của các đơn vị vận tải và nhân viên trên xe đã được đưa vào thực hiện. - Các giải pháp về an toàn giao thông cho hành lang các tuyến xe buýt đang được nghiên cứu. - Xác định các nhóm đối tượng mục tiêu cho hoạt động Quản lý đi lại bao gồm Cán bộ công chức, sinh viên đại học và người dân sinh sống ở Thành phố mới Bình Dương. - Các hoạt động về Quản lý đi lại đã được thực hiện cho các nhóm đối tượng trên. - Các dự án thí điểm Bãi đỗ xe trung chuyển đã được triển khai - Khảo sát đường cơ sở lần 1 được thực hiện vào năm 2015 và lần 2 được thực hiện vào năm 2017.
<ul style="list-style-type: none"> - Kế hoạch cải thiện hệ thống xe buýt được phê duyệt. 	<ul style="list-style-type: none"> - Không có 	<ul style="list-style-type: none"> - Buổi hội thảo với sự tham dự của các cơ quan liên quan và các đơn vị vận tải hành khách công cộng để lấy ý kiến đồng thuận về chính sách trợ giá mới. - Trình đề xuất về chính sách trợ giá mới cho UBND tỉnh phê duyệt.

Nguồn: PDM 1.1

Để đạt được mục đích đề ra của Dự án, Nhóm chuyên gia dự án JICA xác định các kiến thức và kỹ năng cần thiết cho từng đầu ra theo bảng dưới đây. Kết quả khảo sát đường cơ sở đã được đánh giá dựa theo năm mức độ được trình bày và minh họa trong các hình dưới đây.

- (1) Người mới: Tôi không biết gì về quy trình/khái niệm;
- (2) Người tập việc: Tôi biết về quy trình/khái niệm nhưng tôi chưa bao giờ thực hiện.
- (3) Chuyên gia trẻ: Tôi đã từng làm việc này một lần nhưng chưa báo cáo hay trình bày kết quả;
- (4) Chuyên gia: Tôi đã từng làm việc này hai lần trở lên/một lần và đã báo cáo hay trình bày kết quả, và
- (5) Chuyên gia cao cấp: Tôi đã từng làm việc này hai lần trở lên và báo cáo hoặc trình bày kết quả.

Bảng 10 Kiến thức và các kỹ năng cần thiết cho từng Đầu ra và Hoạt động của Dự án

Đầu ra dự kiến	Các hoạt động	Các kỹ năng & kinh nghiệm cần thiết		
(1) Xây dựng kế hoạch cải thiện hệ thống xe buýt.	1.1 - Thu thập và rà soát các thông tin cần thiết 1.2 - Thực hiện khảo sát thực địa về giao thông đô thị (khảo sát đếm lưu lượng xe, khảo sát thói quen đi lại của người dân, khảo sát hoạt động xe buýt và hành khách, khảo sát mức độ nhận thức về an toàn giao thông) 1.3 - Rà soát Quy hoạch đô thị và Quy hoạch tổng thể giao thông đô thị của tỉnh Bình Dương theo kết quả khảo sát thực tế và xác định các vấn đề về giao thông công cộng.	1.1.1	Phân tích số liệu thống kê về Kế hoạch cải thiện xe buýt	
		1.1.2	Xác định các vấn đề về vận tải hành khách bằng xe buýt	
		1.1.3	Thực hiện và phân tích các khảo sát giao thông	
	1.4. - Đánh giá các chính sách ưu tiên giao thông công cộng và các giải pháp quản lý nhu cầu giao thông cũng như nhận diện các vấn đề và xây dựng Khung dự án hiệu quả. 1.8. Xây dựng Kế hoạch cải thiện hệ thống xe buýt.	1.1.4	Kiến thức về Quản lý nhu cầu giao thông (TDM)	
		1.1.5	Xây dựng các chính sách Vận tải hành khách công cộng	
	1.5. Nghiên cứu hệ thống mạng lưới xe buýt dựa trên Dự báo nhu cầu giao thông.	1.1.6	Quy hoạch tuyến xe buýt	
		1.1.7	Quy hoạch về Hoạt động xe buýt	
	1.6. Nghiên cứu Vận hành xe buýt và Cơ chế giá vé bao gồm vé tháng và trợ giá.	1.1.8	Xây dựng chính sách giá vé	
		1.1.9	Thực hiện phân tích tài chính	
	1.7. Kiểm tra các chính sách về bãi đỗ xe ở các trung tâm thương mại và ở Thành phố mới Bình Dương	1.1.10	Xây dựng Quy hoạch Quản lý giao thông	
		1.1.11	Giải quyết các vấn đề liên quan đến Chính sách bãi đỗ xe	
		1.1.12	Thực hiện đánh giá về Chính sách bãi đỗ xe	
	(2) Các biện pháp để nâng cấp chất lượng dịch vụ xe buýt và thực hiện các dự án thí điểm.	2.1. Nghiên cứu và xác định định hướng để cải thiện chất lượng dịch vụ xe buýt.	2.1.1	Phân tích nhu cầu người sử dụng
			2.1.2	Kế hoạch cải thiện Mức độ dịch vụ xe buýt
2.1.3			Triển khai Kế hoạch thực hiện	
2.2. Áp dụng Hệ thống quản lý và vận hành xe buýt đúng giờ có sử dụng Bảng thời gian biểu của tuyến buýt hoạt động dọc theo tuyến của dự án thí điểm.		2.2.1	Xây dựng kế hoạch hoạt động xe buýt	
		2.2.2	Xây dựng thời gian biểu	
		2.2.3	Thực hiện Kế hoạch quản lý hoạt động xe buýt	
2.3. Đưa vào sử dụng Hệ thống thẻ thông minh cho xe buýt trên tuyến của Dự án thí điểm và xây dựng thể chế để quản lý và vận hành hệ thống thẻ thông minh.		2.3.1	Quý vị có biết về hệ thống thẻ vé điện tử được sử dụng bởi Công ty xe buýt Becamex Tokyu?	
		2.3.2	Kế hoạch đưa hệ thống thẻ vé điện tử vào sử dụng	
		2.3.3	Phân tích số liệu trong thẻ điện tử	
		2.3.4	Kiến thức về quy định pháp lý liên quan đến thẻ vé điện tử	
2.4. Giám sát thái độ phục vụ của lái xe và nhân viên xe buýt đối với hành khách.		2.4.1	Xác định các vấn đề hiện tại về thái độ phục vụ của lái xe và nhân viên xe buýt	
	2.4.2	Xây dựng Sổ tay/ tài liệu hướng dẫn cho lái xe và nhân viên xe buýt		

Đầu ra dự kiến	Các hoạt động	Các kỹ năng & kinh nghiệm cần thiết		
		2.4.3	Đánh giá kế hoạch thực hiện	
	2.5. Thực hiện các Biện pháp đảm bảo an toàn giao thông trên hành lang thí điểm giữa TP. Thủ Dầu Một và thành phố mới Bình Dương.	2.5.1	Xác định các vấn đề hiện hữu liên quan đến An toàn giao thông trên Tuyến xe buýt của dự án thí điểm	
		2.5.2	Kiến thức về các giải pháp an toàn giao thông	
		2.5.3	Thực hiện chiến dịch nâng cao nhận thức về An toàn giao thông	
(3) Cùng với các tổ chức và cộng đồng liên quan xây dựng và thực hiện các hoạt động quản lý đi lại để tăng lượng hành khách sử dụng xe buýt.	3.1. Nghiên cứu chính sách và các biện pháp MM	3.1.1	Kiến thức về Quản lý đi lại	
		3.1.2	Xây dựng các chính sách về Quản lý đi lại	
		3.1.3	Thực hiện tuyên truyền cho người dân để khuyến khích sử dụng VTHKCC	
	3.2. Cải thiện kỹ năng truyền thông.	3.2.1	Lên kế hoạch và thực hiện Quản lý đi lại	
		3.2.2	Xây dựng sự đồng thuận với các bên liên quan	
		3.2.3	Phân tích và đánh giá các hoạt động quản lý đi lại	
	3.3. Nghiên cứu/ tiến hành các hoạt động quản lý đi lại nhằm khuyến khích các doanh nghiệp và cộng đồng sử dụng phương tiện giao thông công cộng và áp dụng hệ thống trợ giá vé tháng với sự hỗ trợ của các doanh nghiệp.	3.3.1	Kiến thức về Bãi đỗ xe trung chuyển	
			3.3.2	Thực hiện một thử nghiệm xã hội
				3.3.3

Khảo sát đường cơ sở đã được thực hiện vào tháng 6 năm 2015 và tháng 7 năm 2017 để đánh giá kiến thức và kỹ năng của cán bộ đối tác. Điểm đánh giá trung bình được trình bày trong bảng dưới đây và điểm cho mỗi Đầu ra được hình bày trong các hình bên dưới.

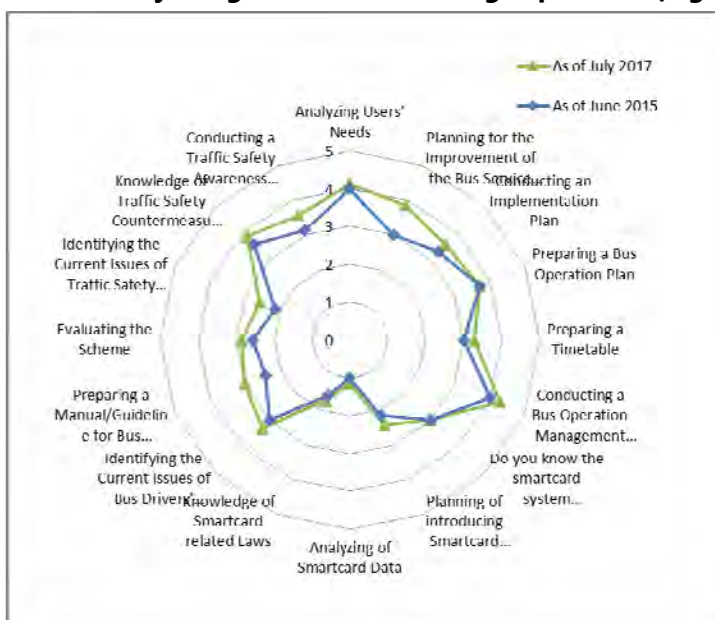
Bảng 11 Điểm trung bình của các Đầu ra

Khảo sát	Đầu ra		
	1	2	3
Khảo sát đường cơ sở (tháng 6 năm 2015)	3,15	2,77	2,22
Khảo sát đường cơ sở (tháng 7 năm 2017)	3,63	3,14	3,05

Hình 1 Kiến thức và kỹ năng của Đầu ra 1: Kế hoạch cải thiện hệ thống xe buýt



Hình 2 Kiến thức và kỹ năng của Đầu ra 2: Nâng cấp chất lượng dịch vụ xe buýt



Hình 3 Kiến thức và kỹ năng của Đầu ra 3: Quản lý đi lại



1.5 Thay đổi rủi ro và Hành động giảm thiểu

Trong số 3 vị trí dự kiến thực hiện dự án thí điểm Bãi đỗ xe trung chuyển, Sở GTVT tỉnh Bình Dương và Nhóm chuyên gia JICA đã thực hiện 2 dự án thí điểm tại Toà nhà Becamex và trên đường Lê Thị Trung. Số lượng hành khách sử dụng Bãi đỗ xe trung chuyển tại 2 điểm này chưa đáp ứng được kỳ vọng của Nhóm chuyên gia JICA cũng như của phía đối tác. Nhưng nhìn chung, Bãi đỗ xe trung chuyển đã xây dựng được một hình ảnh tốt và tạo điều kiện thuận tiện cho hành khách sử dụng xe buýt tiếp cận với giao thông công cộng. Vì thế cần xem xét để tiếp tục vận hành các bãi đỗ xe trung chuyển này sau khi kết thúc dự án.

Bãi đỗ xe ngay sát Thư viện tỉnh Bình Dương chưa xây dựng xong. Dự kiến, vị trí bãi đỗ xe này sẽ được đưa vào khai thác trong năm 2018 theo tiến độ thi công của phía đối tác. Do ngày khai trương cụ thể vẫn chưa được xác định nên cần xem xét về hoạt động của bãi đỗ xe và miễn phí gửi xe cho bãi đỗ này sau khi dự án kết thúc.

1.6 Tiến độ hoạt động do JICA triển khai

Ngày 12 tháng 5 năm 2015, Sở GTVT và JICA đã đồng ý điều chỉnh các nội dung trong Biên bản ghi nhớ ký ngày 15 tháng 5 năm 2014, bao gồm (i) bổ sung chuyên gia, (ii) thay đổi báo cáo, và (iii) thay đổi định dạng báo cáo theo dõi và đánh giá.

1.7 Tiến độ các Hoạt động do UBND tỉnh Bình Dương triển khai

UBND tỉnh Bình Dương đã đồng ý giao đất cho Công ty Becamex IDC thực hiện Dự án Bãi đỗ xe trung chuyển tại vị trí liền kề với Thư viện tỉnh Bình Dương vào ngày 16 tháng 6 năm 2017. Hiện tại UBND tỉnh Bình Dương đang xem xét phê duyệt Kế hoạch cải thiện dịch vụ chất lượng xe buýt do Sở GTVT tỉnh đề xuất (gồm cả chính sách trợ giá cho xe buýt).

1.8 Tiến độ Đánh giá tác động về môi trường và xã hội (không áp dụng)

N/A

1.9 Tiến độ Đánh giá về giới/ Xây dựng hoà bình/ Xoá đói giảm nghèo

N/A

1.10 Các vấn đề đáng chú ý/ quan trọng khác liên quan đến dự án (như các dự án khác của JICA, các hoạt động của đối tác, các nhà tài trợ, các đơn vị tư nhân, các tổ chức phi chính phủ, v.v.)

Để đảm bảo tính bền vững của các hoạt động MM nhằm khuyến khích hành khách đi xe buýt, cần xây dựng một đơn vị xúc tiến các hoạt động và chương trình về nội dung này. Hiện tại Sở GTVT tỉnh và Trung tâm vận tải hành khách công cộng đã được chuyển giao kiến thức và kỹ thuật để thực hiện nhưng cần xem xét xây dựng một nhóm bao gồm các thành viên của các tổ chức liên quan để thực hiện các hoạt động MM, trong đó Sở GTVT sẽ có vai trò chủ chốt trong việc hướng dẫn và thực hiện.

1.11 Nhiệm vụ đã được Nhóm chuyên gia JICA và Cán bộ đối tác thực hiện

Công việc	Nhiệm vụ	Đơn vị thực hiện
Kết quả 1: Xây dựng quy hoạch cải thiện hệ thống xe buýt		
Thu thập và rà soát các tài liệu cần thiết		- Sở GTVT, TT VTHKCC & JPT
Thực hiện Khảo sát giao thông và Phân tích dự báo nhu cầu	Rà soát và phân tích số liệu hiện có Thực hiện Khảo sát giao thông Phân tích Dự báo nhu cầu giao thông	- Sở GTVT, TT VTHKCC, JPT & Trung tâm nghiên cứu Giao thông - ĐH Quốc tế Việt Đức
Rà soát kế hoạch tổng thể quy hoạch đô thị và giao thông của tỉnh Bình Dương		- Sở GTVT & JPT
Nhận diện các vấn đề liên quan đến các chính sách ưu tiên giao thông công cộng và các chính sách quản lý nhu cầu giao thông	Kiểm tra các chính sách ưu tiên giao thông công cộng và các chính sách quản lý nhu cầu giao thông Tiến hành thảo luận và tham vấn với người dân	- Sở GTVT, TT VTHKCC & JPT - Các cơ quan liên quan
Nghiên cứu hệ thống mạng lưới xe buýt dựa vào dự báo nhu cầu.	Ước tính nhu cầu giao thông trong tương lai Nghiên cứu mạng lưới xe buýt trong tương lai	- Sở GTVT, TT VTHKCC, JPT & Trung tâm nghiên cứu Giao thông - ĐH Quốc tế Việt Đức
Nghiên cứu kế hoạch hoạt động xe buýt và các chính sách giá vé	Nghiên cứu kế hoạch hoạt động xe buýt Nghiên cứu các chính sách giá vé xe buýt	- Sở GTVT, TT VTHKCC & JPT

		- Các cơ quan liên quan
Đánh giá chính sách bãi đỗ xe tại các khu vực thương mại và Thành phố mới	Phân tích tình hình đỗ xe hiện tại và rà soát các chính sách bãi đỗ Nghiên cứu và đánh giá các chính sách bãi đỗ	- Sở GTVT & JPT
Xây dựng kế hoạch cải thiện hệ thống xe buýt		- Sở GTVT & JPT
Khảo sát đường cơ sở		- Sở GTVT & các cơ quan liên quan
Kết quả 2: Kiểm tra các biện pháp nâng cấp chất lượng dịch vụ xe buýt và thực hiện triển khai một số dự án thí điểm.		
Nghiên cứu kế hoạch cải thiện chất lượng phục vụ của xe buýt	Thu thập thông tin về tình hình hiện tại và nghiên cứu kế hoạch tập trung vào tình hình này Xây dựng kế hoạch cải thiện và thực hiện	- Sở GTVT, TT VTHKCC, JPT & Các đơn vị vận tải địa phương
Giới thiệu các giải pháp để đảm bảo tuyến xe buýt của dự án thí điểm hoạt động đúng giờ	Xây dựng biểu đồ giờ và cơ chế quản lý vận hành Thực hiện và đánh giá tuyến buýt của dự án thí điểm Hỗ trợ để nhân rộng việc áp dụng các giải pháp này cho các tuyến xe buýt khác	- Sở GTVT, JPT & Becamex Tokyu Bus
Xây dựng cơ chế quản lý hoạt động để sử dụng hệ thống thẻ vé điện tử cho tuyến buýt của dự án thí điểm	Rà soát các tiêu chuẩn kỹ thuật và quy định của Việt Nam về thẻ điện tử Xác định các yêu cầu cần thiết về thiết bị và tiêu chí kỹ thuật của hệ thống thẻ vé điện tử Rà soát quy trình để mua sắm thiết bị và thực hiện phát triển hệ thống, kết hợp với việc kiểm tra và kiểm nghiệm. Thực hiện và đánh giá dự án thí điểm Kiểm tra khả năng tích hợp thẻ vé IC của xe buýt với các phương thức giao thông khác và các lĩnh vực khác.	- Sở GTVT, JPT & Becamex Tokyu Bus
Đưa vào sử dụng cơ chế giám sát để kiểm tra thái độ phục vụ của đơn vị vận tải hành khách công cộng và nhân viên trên xe buýt	Phân tích tình hình hiện tại về nhận thức an toàn giao thông và thái độ phục vụ hành khách của các đơn vị vận tải hành khách công cộng và nhân viên xe buýt Xây dựng tài liệu hướng dẫn về dịch vụ hành khách và đề xuất cơ chế theo dõi Thực hiện và đánh giá dự án thí điểm	- Sở GTVT, JPT & Becamex Tokyu Bus
Thực hiện các giải pháp an toàn cho tuyến buýt của dự án thí điểm	Nghiên cứu các giải pháp về an toàn giao thông Áp dụng vào sổ tay hướng dẫn lái xe an toàn Xây dựng quy hoạch các công trình an toàn giao thông Đánh giá các giải pháp và tuyên truyền cho người dân và các đơn vị vận tải hành khách công cộng	- Sở GTVT, JPT & Các đơn vị vận tải địa phương
Kết quả 3: Thiết kế các hoạt động quản lý đi lại nhằm khuyến khích các doanh nghiệp và cộng đồng sử dụng phương tiện xe buýt.		
Nghiên cứu các chính sách và biện pháp về	Xác định đối tượng mục tiêu cho MM và các hoạt động MM chi tiết	- Sở GTVT, JPT & Trung tâm nghiên cứu Giao

quản lý đi lại (MM)	Xây dựng tài liệu hướng dẫn thực hiện các hoạt động MM	thông - ĐH Quốc tế Việt Đức
Cải thiện kỹ năng truyền thông	Thực hiện các bài giảng về MM Tập huấn kỹ thuật để cải thiện kỹ năng truyền thông	- Sở GTVT, JPT & Trung tâm nghiên cứu Giao thông - ĐH Quốc tế Việt Đức
Soạn thảo các tài liệu cho cộng đồng	Xây dựng các công cụ MM Soạn thảo các tài liệu PR cho các hoạt động tuyên truyền	- Sở GTVT, JPT & Trung tâm nghiên cứu Giao thông - ĐH Quốc tế Việt Đức
Thực hiện MM để khuyến khích sử dụng giao thông cộng đồng	Xây dựng kế hoạch thực hiện MM và phối hợp thực hiện với các cơ quan và công ty liên quan. Thực hiện và đánh giá MM	- Sở GTVT & JPT
MM để khuyến khích triển khai Bãi đỗ xe trung chuyển	Lựa chọn vị trí bãi đỗ và nghiên cứu các giải pháp Xây dựng kế hoạch thực hiện Thử nghiệm xã hội về Bãi đỗ xe trung chuyển Việc thi công các công trình xây dựng sẽ do phía đối tác thực hiện Thực hiện và đánh giá Thử nghiệm xã hội	- Sở GTVT, JPT & Becamex IDC

2. Lịch trình công việc bị chậm và/hoặc các vấn đề khác (nếu có)

2.1 Nội dung chi tiết

Tiến độ thực hiện 3 hoạt động sau đã bị chậm so với kế hoạch thực hiện ban đầu:

Hoạt động 1.6: Nghiên cứu hoạt động xe buýt và các chính sách giá vé bao gồm vé tháng và hệ thống trợ giá

Hoạt động 2.3: Giới thiệu hệ thống thẻ vé điện tử (IC-card) trên tuyến dự án thí điểm và thiết lập thể chế quản lý và vận hành hệ thống thẻ vé điện tử

Hoạt động 3.4 Nghiên cứu/ thực hiện các hoạt động quản lý đi lại để khuyến khích phát triển Bãi đỗ xe trung chuyển cho hành khách xe buýt

2.2 Nguyên nhân

Hoạt động 1.6:

Đoàn công tác JICA cũng nhấn mạnh tầm quan trọng của việc trợ giá trong việc đảm bảo nâng cao chất lượng dịch vụ và Sở GTVT cũng hiểu rõ tầm quan trọng của việc trợ giá này. Ngoài ra, cũng cần thực hiện nghiên cứu để xây dựng các chính sách chi tiết.

Hoạt động 2.3:

Cần bổ sung nghiên cứu các giải pháp tăng cường an ninh hệ thống thẻ IC.

Hoạt động 3.4

Sở GTVT và Nhóm dự án JICA đã xác nhận được các vị trí (2 vị trí đất đã được nhà nước giao cho các

đơn vị quản lý và 1 vị trí đất công) để thực hiện dự án bãi đỗ xe trung chuyển P&R, và Sở GTVT tỉnh cùng với các cơ quan liên quan đã thực hiện các quy trình cần thiết để được cấp đất thực hiện bãi đỗ xe tại vị trí đất công này. Tuy nhiên, cần có thời gian để hoàn thành các thủ tục hành chính liên quan.

2.3 Hoạt động cần thực hiện

Hoạt động 1.6:

UBND tỉnh Bình Dương và các cơ quan liên quan cần quan tâm hơn đến việc trợ giá cho hoạt động vận tải hành khách công cộng bằng xe buýt cũng như tạo điều kiện cho các đơn vị ngày tiếp cận được nguồn vốn ưu đãi để có thể cải thiện mức độ dịch vụ xe buýt. Sở GTVT và Nhóm dự án JICA sẽ xây dựng các chính sách chi tiết về trợ giá và nguồn vốn ưu đãi trong lần họp Ủy ban điều phối lần 5.

Hoạt động 2.3:

Các giải pháp tăng cường an ninh hệ thống thẻ IC đang được Nhóm dự án JICA xây dựng.

Hoạt động 3.4

Đoàn công tác JICA và Nhóm chuyên gia JICA đề xuất UBND tỉnh Bình Dương nên triển khai dự án thí điểm ở vị trí phía trước Tòa nhà Becamex do các thủ tục hành chính liên quan đến việc thực hiện dự án ở vị trí này đã hoàn tất.

2.4 Nội dung chi tiết

N/A

2.5 Nguyên nhân

N/A

2.6 Hoạt động cần thực hiện

N/A

2.7 Vai trò của cá nhân/ tổ chức chịu trách nhiệm (JICA, UBND tỉnh Bình Dương, v.v.)

N/A

3 Điều chỉnh kế hoạch thực hiện Dự án

3.1 PO

N/A

3.2 Các điều chỉnh Kế hoạch thực hiện chi tiết khác

N/A

4 Công việc UBND tỉnh Bình Dương sẽ thực hiện sau khi hoàn thành Dự án

N/A

II. Bảng theo dõi I & II (tài liệu đính kèm)

Phụ lục 2: Bảng theo dõi Dự án I (Điều chỉnh từ Ma trận thiết kế dự án)

Tên dự án: Dự án nâng cao năng lực quản lý hệ thống giao thông tập trung chủ đạo vào giao thông công cộng tại tỉnh Bình Dương

Cơ quan thực hiện: Sở Giao thông vận tải tỉnh Bình Dương

Nhóm đối tượng mục tiêu: Sở Giao thông vận tải tỉnh Bình Dương

Thời gian thực hiện dự án: từ tháng 3 năm 2015 đến tháng 5 năm 2018

Khu vực mục tiêu: khu vực phía nam tỉnh Bình Dương

Bản 6

Tháng 1 năm 2018

Mô tả tóm tắt	Các chỉ số kiểm chứng khách quan	Phương tiện kiểm chứng	Giá định quan trọng	Kết quả đạt được	Lưu ý	
<p>Mục tiêu tổng quát Thúc đẩy nâng cao năng lực hệ thống giao thông công cộng</p> <p>Mục đích của dự án Tăng cường năng lực thể chế về xây dựng và thực thi chính sách phát triển hệ thống giao thông công cộng.</p>	<p>Số lượng hành khách vận tải công cộng/ thị phần vận tải giao thông công cộng được gia tăng</p> <p>Các chỉ số kiểm chứng khách quan</p> <p>Số lượng hành khách vận tải công cộng/ thị phần vận tải giao thông công cộng được gia tăng</p> <p>- Các cơ quan đối tác phía Việt Nam (C/P) hợp tác chặt chẽ với các chuyên gia JICA trong việc chuẩn bị/ thực hiện các công việc sau đây: - Kế hoạch cải thiện hệ thống xe buýt. - Một số dự án thí điểm/ các quan đồng quan lý đi lại. - Kế hoạch cải thiện hệ thống xe buýt được phê duyệt.</p>	<p>- Thông kê/ khảo sát</p> <p>- Các tài liệu liên quan</p> <p>- Khảo sát về sự tham gia của C/P</p> <p>- So sánh năng lực của C/P dựa trên các khảo sát cơ sở và các yếu tố khác</p> <p>- Bộ hồ sơ được phê duyệt</p>		N/A	N/A	
<p>Đầu ra của dự án (1) Chuẩn bị Kế hoạch cải thiện hệ thống xe buýt. (2) Kiểm tra các biện pháp để nâng cấp chất lượng dịch vụ xe buýt và thực hiện triển khai một số dự án thí điểm.</p>	<p>1.1. Từng hoạt động chuẩn bị cho Kế hoạch cải thiện hệ thống xe buýt được hoàn thành.</p> <p>2.1. Định hướng cải thiện chất lượng dịch vụ xe buýt được xác định.</p> <p>2.2. Các giải pháp về vận hành xe buýt được giữ được giới thiệu và việc vận hành đúng giờ được cải thiện.</p> <p>2.3. Hệ thống thẻ IC xe buýt được áp dụng và các cơ quan quản lý vận hành hệ thống thẻ IC xe buýt được thành lập.</p> <p>2.4. Thái độ của tài xế xe buýt và phụ xe đối với hành khách được theo dõi để cải thiện.</p> <p>2.5. Các biện pháp đảm bảo an toàn giao thông dọc theo hành lang thí điểm giữa Thành phố Thủ Dầu Một và khu đô thị mới được thực hiện.</p>	<p>- Kế hoạch cải thiện hệ thống xe buýt</p> <p>- Báo cáo các dự án thí điểm</p>		<p>- Nội dung Kế hoạch cải thiện hệ thống xe buýt đang được kiểm tra</p> <p>- Đã tổ chức hội thảo về Chính sách giá vé và Trợ giá xe buýt</p> <p>- Đã thực hiện khảo sát lấy ý kiến người sử dụng xe buýt.</p> <p>- Đã tổ chức họp thảo luận với các đơn vị vận tải hành khách công cộng của tỉnh (tiếp tục)</p> <p>- Đã mở rộng lên thành 6 tuyến</p> <p>- Đã điều chỉnh hoạt động xe buýt bao gồm biểu đồ giờ và chính sách giá vé mới</p> <p>- Đã xây dựng được tiêu chí kỹ thuật về Hệ thống thẻ IC cho dự án thí điểm</p> <p>- Đã phát hành loại thẻ tháng mới có thể tích hợp với hệ thống bãi đỗ xe trung chuyển</p> <p>- Đã giới thiệu kế hoạch giám sát</p> <p>- Thu thập dữ liệu về tai nạn giao thông và đánh giá trên các hành lang xe buýt</p>	N/A	N/A

<p>(3) Xây dựng và thực hiện các hoạt động quản lý đi lại nhằm khuyến khích các doanh nghiệp và cộng đồng sử dụng phương tiện xe buýt.</p>	<p>3.1. Các chính sách và biện pháp quản lý đi lại được thực hiện và kỹ năng truyền thông được phát triển.</p> <p>3.2. Các hoạt động quản lý đi lại để khuyến khích các doanh nghiệp và cộng đồng sử dụng giao thông công cộng được thực hiện.</p> <p>3.3. Các hoạt động quản lý đi lại nhằm đẩy mạnh việc triển khai việc Gửi (phương tiện cá nhân) và Đì (phương tiện công cộng (Park & Ride) cho hành khách xe buýt được thực hiện</p>	<p>Các hoạt động quản lý đi lại</p>	<p>- Đã xây dựng kế hoạch hoạt động MM. - Đã tổ chức tập huấn điều phối viên và thực hiện các bài giảng. - Đã tổ chức năm buổi hội thảo MM cho các bộ công chức và thực hiện các hoạt động MM cho sinh viên đại học, học sinh tiểu học (thư nghiệm) và người dân. - Đã chuẩn bị Kế hoạch thực hiện và các thủ tục cần thiết cho Dự án thí điểm bãi đỗ xe trung chuyển. - Đã khai trương Bãi đỗ xe trung chuyển tại Tòa nhà Becamex & triển khai ở Thị Trấn</p> <p>N/A</p> <p>N/A</p> <p>VIỆTVI TUI CON lại dự kiến sẽ khai trương và o tháng 3 năm 2018</p>
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<p>Các hoạt động của Dự án</p>	<p>Đầu vào</p>	<p>Giá định quan trọng</p>
<p>1. Chuẩn bị Kế hoạch cải thiện hệ thống xe buýt</p> <p>1.1. Thu thập và rà soát các tài liệu liên quan. 1.2. Thực hiện các khảo sát thực địa về giao thông đô thị (khảo sát điểm lưu lượng giao thông, khảo sát về hành vi tham gia giao thông, khảo sát hoạt động của xe buýt và hành khách, khảo sát mức độ nhận thức về an toàn giao thông, v.v.) 1.3. Rà soát kế hoạch tổng thể quy hoạch đô thị và giao thông của tỉnh Bình Dương đưa trên kết quả các khảo sát hiện trường nêu trên, và xác định các vấn đề và nội dung của văn tại cộng đồng. 1.4. Đánh giá mức độ ưu tiên của vận tải công cộng, các biện pháp quản lý nhu cầu giao thông, xác định các vấn đề chính sách cho các dự án thí điểm, và thiết kế khung dự án hiệu quả. 1.5. Nghiên cứu hệ thống mạng lưới xe buýt đưa vào dự báo nhu cầu. 1.6. Nghiên cứu hoạt động xe buýt và các chính sách giá vé bao gồm về tháng và hệ thống trợ giá. 1.7. Khảo sát chính sách về bãi đỗ tại các khu vực thương mại và thành phố mới Bình Dương. 1.8. Chuẩn bị kế hoạch cải thiện hệ thống xe buýt. 1.9. Thực hiện khảo sát sơ bộ để đánh giá năng lực của các cơ quan và cán bộ đối tác tại thời điểm hiện tại, theo đó sẽ thiết kế chương trình đào tạo và lập các chỉ số đánh giá giữa kỳ và cuối kỳ của dự án.</p> <p>2. Kiểm tra các biện pháp nâng cấp chất lượng dịch vụ xe buýt và thực hiện triển khai một số dự án thí điểm.</p> <p>2.1. Kiểm tra và xác định các định hướng để cải thiện chất lượng dịch vụ xe buýt. 2.2. Giới thiệu hệ thống quản lý và vận hành xe buýt đúng giờ nhờ sự cung cấp thông tin về thời gian biểu vận hành xe buýt dọc tuyến dự án thí điểm. 2.3. Giới thiệu hệ thống thẻ vé điện tử (IC-card) trên tuyến dự án thí điểm và thiết lập thẻ chế quản lý và vận hành hệ</p>	<p>Đầu vào phía Nhật Bản</p> <p>- Các chuyên gia Nhật Bản Cổ vấn trường/ Chính sách giao thông Cổ vấn phó/ Lập kế hoạch giao thông đô thị Phân tích nhu cầu giao thông Quản lý giao thông/ TDM/ An toàn giao thông Lập kế hoạch vận hành xe buýt Quản lý vận hành xe buýt Lập kế hoạch các thiết bị hỗ trợ liên quan đến xe buýt quản lý đi lại</p> <p>Hỗ trợ các hoạt động của dự án thí điểm Tham gia của công đồng/ Quy hoạch liên quan đến công đồng Hệ thống pháp lý liên quan đến Thẻ thông minh</p> <p>- Đào tạo cán bộ đối tác tại Nhật Bản và/hoặc tại nước thứ ba - Cung cấp thiết bị Hệ thống thẻ vé điện tử thông minh (IC card) Các thiết bị khác, nếu cần thiết - Hỗ trợ thực hiện các dự án thí điểm (nguyên tắc chia sẻ kinh phí về: cung cấp thiết bị, phụ tùng và nguyên vật liệu, thực hiện các chiến dịch quảng bá và hoạt động tuyên truyền) - Các hội nghị chuyên đề và hội thảo (nguyên tắc chia sẻ kinh phí về: phát cử chuyên gia ngắn hạn, cung cấp nguyên vật liệu)</p>	<p>Đầu vào phía Việt Nam</p> <p>- Sở GTVT (Phòng Quản lý vận tải, Phòng Kế hoạch tài chính, Trung tâm Quản lý và điều hành Vận tải công cộng, Phòng kết cấu hạ tầng giao thông) - Sở Tài chính - Sở Kế hoạch và Đầu tư - Sở Xây dựng - Công ty Becamex IDC - Việc thực hiện dự án thí điểm (nguyên tắc chia sẻ kinh phí: công trình xây lắp bao gồm cải thiện các bến đỗ xe buýt, khu vực sơn kẻ và nút giao, và phát triển các khu vực bãi đỗ cho P&R) - Triển khai các hội nghị chuyên đề và hội thảo (nguyên tắc chia sẻ kinh phí: cung cấp địa điểm) - Bổ trợ phòng hợp hàng tuần tại Sở GTVT - Bổ trợ văn phòng làm việc cho các chuyên gia JICA tại trụ sở Becamex IDC có trang bị điều hoà, WIFI và sử dụng chung máy photocopy</p>
		<p>- Các cơ quan đối tác của Việt Nam được chuyển giao công nghệ sẽ hoạt động lâu dài</p> <p>- Thiết bị được mua sắm kịp thời</p> <p>- Sở GTVT tỉnh Bình Dương hoạt động lâu dài</p> <p>Điều kiện tiên quyết</p> <p>- Các cơ quan đối tác chính của dự án, Sở GTVT, tỉnh Bình Dương hoạt động lâu dài.</p>
		<p><Các văn đề và biện pháp ứng phó></p>

<p>thống kê về điện tử.</p> <p>2.4. Theo dõi thái độ của tài xế xe buýt và phụ xe đối với hành khách.</p> <p>2.5. Thực hiện các biện pháp đảm bảo an toàn giao thông dọc các vành đai thị trấn giữa thành phố Thủ Dầu Một và khu đô thị mới.</p> <p>3. Thiết kế các hoạt động quản lý đi lại nhằm khuyến khích các doanh nghiệp và cộng đồng sử dụng phương tiện xe buýt.</p> <p>3.1. Nghiên cứu các chính sách và biện pháp về quản lý đi lại.</p> <p>3.2. Cải thiện kỹ năng truyền thông.</p> <p>3.3. Nghiên cứu/ tiến hành các hoạt động quản lý đi lại nhằm khuyến khích các doanh nghiệp và cộng đồng sử dụng phương tiện giao thông công cộng và áp dụng hệ thống trợ giá vé tháng dưới sự hỗ trợ của các doanh nghiệp.</p> <p>3.4. Nghiên cứu/ tiến hành các hoạt động quản lý giao thông và tuyên truyền nhằm đẩy mạnh triển khai việc Bãi đỗ xe trung chuyển (Park & Ride)</p> <p>4. Tổ chức các hội nghị chuyên đề và các hội thảo về xã hội sử dụng giao thông công cộng</p> <p>5. Tổ chức tập huấn tại Nhật Bản và/hoặc một quốc gia thứ ba</p>	
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* Phần được gạch chân là các nội dung mới trong PDMI.1.

<p>1.5 Nghiên cứu hệ thống mạng lưới xe buýt dựa và o dự báo nhu cầu.</p>	<p>KH</p>	<p>- Đã thực hiện Phân tích nhu cầu trên hàng lang tuyến - Đã nhận diện được các vấn đề về Quy hoạch mạng lưới xe buýt hiện tại - Đã thực hiện Quy hoạch/Phân tích mạng lưới xe buýt mới - Đã xây dựng và đề xuất kế hoạch cải thiện hệ thống VTKHC, bảo vệ và buýt lên UBND tỉnh</p>	<p>Hoàn thiện kế hoạch cải thiện hệ thống xe buýt theo Nội dung công việc</p>
<p>1.6 Nghiên cứu hoạt động xe buýt và các chỉ số giá vé bao gồm vé tháng và hệ thống trợ giá.</p>	<p>TT</p>	<p>- Đã họp với các đơn vị vận tải xe buýt để thu thập các thông tin cần thiết về tình hình hoạt động hiện tại - Đã tổ chức hội thảo về Chính sách giá vé và Trợ giá xe buýt</p>	<p>Hoàn thiện kế hoạch cải thiện hệ thống xe buýt</p>
<p>1.7 Khảo sát chính sách về bãi đỗ tại các khu vực thương mại và thành phố mới Bình Dương.</p>	<p>KH</p>	<p>- Đã thực hiện phỏng vấn Người sử dụng Bãi đỗ xe P&R để xác định sự cần thiết xây dựng bãi đỗ xe trung</p>	<p>Hoàn thiện kế hoạch cải thiện hệ thống xe buýt</p>
<p>1.8 Chuẩn bị kế hoạch cải thiện hệ thống xe buýt.</p>	<p>TT</p>	<p>- Đã chuẩn bị kế hoạch cải thiện hệ thống xe buýt</p>	<p>Hoàn thiện kế hoạch cải thiện hệ thống xe buýt</p>
<p>1.9 Thực hiện khảo sát đường cơ sở để đánh giá năng lực của các cơ quan và cán bộ đối tác tại thời điểm hiện tại, theo đó sẽ thiết kế chương trình đào tạo và lập các chỉ số đánh giá giữa kỳ và cuối kỳ của dự án.</p>	<p>KH</p>	<p>- Đã xây dựng xong bảng cơ sở dữ liệu khảo sát đường cơ sở - Đã thực hiện Khảo sát đường cơ sở lần đầu cho cán bộ đối tác - Đã xây dựng xong kế hoạch tập huấn - Đã xác định được các chỉ số kiểm chứng và mục tiêu - Đã lập kế hoạch và thực hiện chương trình tập huấn</p>	<p>Hoàn thiện kế hoạch cải thiện hệ thống xe buýt</p>
<p>Đầu ra 2: Kiểm tra các biện pháp nâng cấp chất lượng dịch vụ xe buýt và thực hiện triển khai một số dự án thí điểm.</p>			
<p>2.1 Kiểm tra và xác định các định hướng để cải thiện chất lượng dịch vụ xe buýt.</p>	<p>KH</p>	<p>- Đã nắm được tình hình thực tế và nghiên cứu chính sách cải thiện mức độ dịch vụ xe buýt - Đã thực hiện khảo sát thực địa tại Bến xe Bến Cát - Đã kiểm tra điều kiện để đưa vào sử dụng hệ thống thẻ điện tử (IC-Card) - Đã thực hiện họp với các đơn vị vận tải xe buýt</p>	<p>Hoàn thiện kế hoạch cải thiện hệ thống xe buýt</p>
<p>2.2 Giới thiệu hệ thống quản lý và vận hành xe buýt đúng giờ nhờ sự cung cấp thông tin về thời gian biểu vận hành xe buýt đọc tuyến dự án thí điểm.</p>	<p>TT</p>	<p>- Đã kiểm tra quy hoạch tuyến xe buýt mới và kế hoạch hoạt động dựa trên kết quả khảo sát thời quen đi lại - Đã phân tích kết quả khảo sát hành khách xe buýt - Đã xây dựng được Biểu đồ giờ và cơ chế quản lý vận hành xe buýt - Đã thực hiện và đánh giá tuyến buýt dự án thí điểm - Các hoạt động của xe buýt đã được cập nhật về biểu đồ vận hành và thông tin ra soát các tiêu chuẩn kỹ thuật của Việt Nam về thẻ vé điện tử - Đã kiểm tra các yêu cầu, thiết bị và quy cách kỹ thuật cần thiết của hệ thống thẻ điện tử - Đã ra soát các quy định của Việt Nam về thẻ IC - Đã kiểm tra các yêu cầu, thiết bị cần thiết và tiêu chí kỹ thuật của hệ thống thẻ IC - Đã nghiên cứu khả năng tương thích của thẻ IC - Đã mua sắm các thiết bị, phát triển hệ thống và kiểm nghiệm - Đã phát hành rộng rãi thẻ tháng mới được tích hợp với hệ thống bãi đỗ xe trung chuyển (tháng 5/2017)</p>	<p>Hoàn thiện kế hoạch cải thiện hệ thống xe buýt</p>
<p>2.3 Giới thiệu hệ thống thẻ vé điện tử (IC-card) trên tuyến dự án thí điểm và thiết lập thể chế quản lý và vận hành hệ thống thẻ vé điện tử.</p>	<p>KH</p>	<p>- Đã giới thiệu quy hoạch tuyến xe buýt mới và kế hoạch hoạt động dựa trên kết quả khảo sát thời quen đi lại - Đã phân tích kết quả khảo sát hành khách xe buýt - Đã xây dựng được Biểu đồ giờ và cơ chế quản lý vận hành xe buýt - Đã thực hiện và đánh giá tuyến buýt dự án thí điểm - Các hoạt động của xe buýt đã được cập nhật về biểu đồ vận hành và thông tin ra soát các tiêu chuẩn kỹ thuật của Việt Nam về thẻ vé điện tử - Đã kiểm tra các yêu cầu, thiết bị và quy cách kỹ thuật cần thiết của hệ thống thẻ điện tử - Đã ra soát các quy định của Việt Nam về thẻ IC - Đã kiểm tra các yêu cầu, thiết bị cần thiết và tiêu chí kỹ thuật của hệ thống thẻ IC - Đã nghiên cứu khả năng tương thích của thẻ IC - Đã mua sắm các thiết bị, phát triển hệ thống và kiểm nghiệm - Đã phát hành rộng rãi thẻ tháng mới được tích hợp với hệ thống bãi đỗ xe trung chuyển (tháng 5/2017)</p>	<p>Hoàn thiện kế hoạch cải thiện hệ thống xe buýt</p>
<p>2.4 Theo dõi thái độ của tài xế xe buýt và phụ xe đối với hành khách.</p>	<p>KH</p>	<p>- Đã giới thiệu quy hoạch tuyến xe buýt mới và kế hoạch hoạt động dựa trên kết quả khảo sát thời quen đi lại - Đã phân tích kết quả khảo sát hành khách xe buýt - Đã xây dựng được Biểu đồ giờ và cơ chế quản lý vận hành xe buýt - Đã thực hiện và đánh giá tuyến buýt dự án thí điểm - Các hoạt động của xe buýt đã được cập nhật về biểu đồ vận hành và thông tin ra soát các tiêu chuẩn kỹ thuật của Việt Nam về thẻ vé điện tử - Đã kiểm tra các yêu cầu, thiết bị và quy cách kỹ thuật cần thiết của hệ thống thẻ điện tử - Đã ra soát các quy định của Việt Nam về thẻ IC - Đã kiểm tra các yêu cầu, thiết bị cần thiết và tiêu chí kỹ thuật của hệ thống thẻ IC - Đã nghiên cứu khả năng tương thích của thẻ IC - Đã mua sắm các thiết bị, phát triển hệ thống và kiểm nghiệm - Đã phát hành rộng rãi thẻ tháng mới được tích hợp với hệ thống bãi đỗ xe trung chuyển (tháng 5/2017)</p>	<p>Hoàn thiện kế hoạch cải thiện hệ thống xe buýt</p>
<p>2.5 Theo dõi thái độ của tài xế xe buýt và phụ xe đối với hành khách.</p>	<p>TT</p>	<p>- Đã giới thiệu quy hoạch tuyến xe buýt mới và kế hoạch hoạt động dựa trên kết quả khảo sát thời quen đi lại - Đã phân tích kết quả khảo sát hành khách xe buýt - Đã xây dựng được Biểu đồ giờ và cơ chế quản lý vận hành xe buýt - Đã thực hiện và đánh giá tuyến buýt dự án thí điểm - Các hoạt động của xe buýt đã được cập nhật về biểu đồ vận hành và thông tin ra soát các tiêu chuẩn kỹ thuật của Việt Nam về thẻ vé điện tử - Đã kiểm tra các yêu cầu, thiết bị và quy cách kỹ thuật cần thiết của hệ thống thẻ điện tử - Đã ra soát các quy định của Việt Nam về thẻ IC - Đã kiểm tra các yêu cầu, thiết bị cần thiết và tiêu chí kỹ thuật của hệ thống thẻ IC - Đã nghiên cứu khả năng tương thích của thẻ IC - Đã mua sắm các thiết bị, phát triển hệ thống và kiểm nghiệm - Đã phát hành rộng rãi thẻ tháng mới được tích hợp với hệ thống bãi đỗ xe trung chuyển (tháng 5/2017)</p>	<p>Hoàn thiện kế hoạch cải thiện hệ thống xe buýt</p>

KH	TT	Đầu ra 3: Thiết kế các hoạt động quản lý đi lại nhằm khuyến khích các doanh nghiệp và công đồng sử dụng phương tiện xe buýt												Lưu ý	Giải pháp															
		2015			2016			2017			2018																			
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
<p>2.5 Thực hiện các biện pháp đảm bảo an toàn giao thông dọc các vành đai thị điểm giữa thành phố Thủ Đức Một và thành phố mới.</p>																														
<p>3.1 Nghiên cứu các chính sách và biện pháp về quản lý đi lại</p>																														
<p>3.2 Cải thiện kỹ năng truyền thông.</p>																														
<p>3.3 Nghiên cứu/ tiến hành các hoạt động quản lý đi lại nhằm khuyến khích các doanh nghiệp và công đồng sử dụng phương tiện giao thông công cộng và áp dụng hệ thống trợ giá vé tháng dưới sự hỗ trợ của các doanh nghiệp.</p>																														
<p>3.4 Nghiên cứu/ tiến hành các hoạt động quản lý giao thông và tuyên truyền nhằm đẩy mạnh triển khai việc bãi đỗ xe trung chuyển cho hành khách đi xe buýt</p>																														
<p>Đã thực hiện hợp với các đơn vị vận tải hành khách công cộng trên địa bàn tỉnh để trao đổi ý kiến</p> <p>Đã thu thập dữ liệu về tai nạn giao thông và đánh giá trên các hành lang xe buýt</p>																														
<p>Đã kiểm tra mô hình đi lại hiện tại để xác định các nhóm đối tượng mục tiêu của MM và các hoạt động MM</p> <p>Đang xây dựng tài liệu hướng dẫn và MM</p> <p>Đã thực hiện và phân tích Phiếu khảo sát để nhận diện các đặc điểm về Thời điểm đi lại</p> <p>Đã thực hiện các bài giảng về MM cho đối tác</p> <p>Đã thực hiện tập huấn kỹ thuật về tổ chức Hội thảo MM</p> <p>tiếp tục soạn thảo các tài liệu truyền thông</p> <p>Đã soạn thảo kế hoạch hoạt động MM</p> <p>Đã thực hiện phân tích kết quả khảo sát</p> <p>Đã thực hiện khảo sát phỏng vấn cho nhân viên làm việc tại toà nhà Becamex Tower và Công ty Becamex Tokyu Bus</p> <p>Đã thực hiện hội thảo chung EASTS - JSC tại trường Đại học Việt Đức</p> <p>Đã thực hiện Hội thảo MM tập trung vào Cán bộ công chức (5 lần)</p> <p>Đã triển khai các hoạt động MM tập trung vào sinh viên đại học</p> <p>Đã triển khai các hoạt động MM tập trung vào học sinh tiểu học</p> <p>Đang xây dựng Kế hoạch ý tưởng về Bãi đỗ xe trung chuyển của Dự án thị điểm</p> <p>Đã soạn thảo Kế hoạch Triển khai cho dự án thị điểm P&R</p> <p>Đã chuẩn bị các thủ tục cần thiết để thực hiện dự án thị điểm P&R</p> <p>Khai trương bãi đỗ xe trung chuyển đầu tiên (tại tòa nhà Becamex) có tích hợp với hệ thống thẻ xe buýt</p>																														
<p>Tiến độ thi công bãi đỗ xe trung chuyển P&R sát cạnh Thư viện tình bị chặn, vì thế kế hoạch thực hiện dự án thi điểm bị lùi lại.</p>																														
<p>Kế hoạch theo dõi</p>																														
<p>Theo dõi</p>																														
<p>Ủy ban điều phối chung</p>																														
<p>Nộp Báo theo dõi</p>																														
<p>Phải đoàn giám sát từ Nhật Bản</p>																														
<p>Báo cáo/ Tài liệu</p>																														
<p>Báo cáo hoàn thành Dự án</p>																														
<p>N/A</p>																														

Appendix 2: List of Products

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A) List of Reports prepared in the project **PART 0**

Output	Name of Outputs	Product Output Format	Remarks
Output 1	Technical Report: Volume 1: Bus System Improvement Plan	Word/ PDF	技術成果品（ア）： バス交通改善計画
Output 2	Technical Report: Volume 2: Bus Service Guideline and Driving Manual	Word/ PDF (Prepared in Japanese and Vietnamese)	技術成果品（イ）： バス接客ガイドラ イン
Output 3	Technical Report: Volume 3-1: Mobility Management Report	Word/ PDF	技術成果品（ウ）： モビリティマネジ メント研修用教材
	Technical Report: Volume 3-2: Park & Ride Pilot Projects	Word/ PDF	

B) Meeting documents **PART 1**

Output	Name of Outputs	Product Output Format	Remarks
All PART 1A	Project Outline	Presentation	
	Working Group Meeting (survey results)	Presentation	Meeting on Aug. 12, 2015
	Working Group Meeting (Traffic Demand Forecast & MM Implementation)	Presentation – WG meeting	Meeting on November 25, 2015
	Working Group Meeting WG_151203 (procedures for P&R implementation)	Presentation – WG meeting	Meeting on December 03, 2015
	Progress Reports	Presentation	JCC meetings
Output 1: PART 1B	Working Group Meeting (bus priority & smart card)	Presentation	Meeting on November 18, 2015
	TDM measures for public transport – Tuan	Lecture	Meeting on March 16, 2016
Output 2-1: PART 1B	Basic Principles of Bus Network Design in Binh Duong	Presentation – WG meeting	June 15, 2016
	Bus System Improvement Plan and Fare Policy	Presentation – WG meeting	June 01, 2016

Output	Name of Outputs	Product Output Format	Remarks
Output 2-2: PART 1B	WG Meeting – Smart cards(1)	Presentation – WG meeting	Meeting on April 14, 2016
	Smartcard Pilot Program	Presentation – WG meeting	Meeting on June 31, 2016
	WG Meeting-Smartcards01[EN]	Presentation – WG meeting	Meeting on October 14,2017
	Remarks about Smartcard in Binh Duong Province	Presentation	
Output 3: PART C	Procedure of MM_150926	Presentation – WG meeting	Meeting on September 26, 2015
	PR & MM Activities (Phase 1)	Presentation – WG meeting	Meeting on January 21, 2016
	WG_P&R Jan21	Presentation – WG meeting	Meeting on January 21, 2016
	Contents on MM Workshop for Admin Officials	Presentation – WG meeting	Meeting on March 11, 2016
	P&R Pilot Project	Presentation – WG meeting	Meeting on April 04, 2017
	Study on Park & Ride Facility	Presentation – WG meeting	Meeting on June 01, 2017
	Report for Implementation of MM Activities at Residential Areas & Free Bus Day	Presentation – WG meeting	Meeting on August 16, 2017
	Introduction of MM Pilot Project Activity	Presentation – MM Workshops for officials	4 times workshops in 2016 & 2017
	Mobility Management at School	Presentation – WG meeting	Meeting on March 21, 2018

C) - Workshop & training materials **PART 2**

Name of WS/ training	Name of Outputs	Product Output Format	Remarks
Joint Seminar about Measures for Public Transport Development in Medium Cities of Vietnam – the Case of Binh Duong City - on December 1, 2015	JICA Technical Cooperation Project on Public Transport Development in Binh Duong	Presentation	
	Public Transport Priority Measures and Transport Demand Management	Presentation	By Prof. Tetsuro HYODO Tokyo University of Marine Science and Technology
	BRT SYSTEM IN DA NANG CITY solution for medium cities	Presentation	By Dr. An Minh Ngoc - University of Transport and Communications & Dr. Tran Huu Minh - National Traffic Safety Committee
	Public Transport Policy in Vietnam	Presentation	By Dr. Vu Anh Tuan - VGU
Keynote Lecture about Mobility management on March 21, 2016	Introduction of Mobility Management + Motorization and Its Issues + Social Dilemma on Transport Sector + Definition of Mobility Management + Mobility Management Activity in Japan + Applicability to Vietnam	Presentation	by Dr. TANIGUCHI Ayako - Associate Professor, System & Information Engineering, University of Tsukuba, Japan
Workshop on "Fare Policy	Subsidy and Soft Loan for Bus Transport in Vietnam	Presentation	Dr. Nguyen Huu Duc

Name of WS/ training	Name of Outputs	Product Output Format	Remarks
and Subsidy for Bus Transport” on June 23, 2017	Transit Subsidy in Major Cities in the world	Presentation	Mr. Takagi
	Bus Transport Subsidy (Government Support for Bus Transport) in Tokyo	Presentation	Mr. Takata
	Proposed Subsidy Policy for Bus Transport in Binh Duong	Presentation	DOT

D) Reference Materials

Output	Name of Outputs	Product Output Format	Remarks
Output 1	Transport Surveys	Word/ PDF	
Output 2	IC Card Manuals	PDF	
Output 3	Survey Report for Mobility Management	Word/ PDF	
—	Bus Improvement Plan for Approval Procedure	PDF	Prepared by DOT

Appendix 3: R/D, M/M, Minutes of JCC (copy)

**MINUTES OF MEETINGS
BETWEEN
THE PEOPLE'S COMMITTEE OF BINH DUONG PROVINCE OF VIETNAM
AND
JAPAN INTERNATIONAL COOPERATION AGENCY
FOR AMENDMENT OF THE RECORD OF DISCUSSIONS
ON
THE PROJECT FOR ENHANCING MANAGEMENT CAPACITY OF
TRANSPORT SYSTEM FOCUSED ON PUBLIC TRANSPORT
IN BINH DUONG PROVINCE**

Department of Transport, the People's Committee of Binh Duong Province of Vietnam (hereinafter referred to as "DOT") and Japan International Cooperation Agency (hereinafter referred to as "JICA") hereby agree that the Record of Discussions on the Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province (hereinafter referred to as "the Project") signed on May 15, 2014 will be amended as underlined as follows;

1. Input by JICA

Before	Amended Version
II. <u>OUTLINE OF THE PROJECT</u> 6. Input (1) Input by JICA (a) Dispatch of Experts • Chief Advisor/ Public Transport Policy • Urban Transport Planning • Traffic Management, Traffic Demand Management/Traffic safety • Bus Operation Planning • Bus Operation Management • Bus-related Facility Planning • Mobility Management • Pilot Project Implementation	II. <u>OUTLINE OF THE PROJECT</u> 6. Input (1) Input by JICA (b) Dispatch of Experts • Chief Advisor/ Public Transport Policy • <u>Deputy Chief Advisor/ Urban Transport Planning</u> • <u>Traffic Demand Analysis</u> • <u>Traffic Management/ TDM/ Traffic Safety</u> • Bus Operation Planning • Bus Operation Management • Bus-related Facility Planning • Mobility Management • <u>Public Involvement/ Publicity Planning</u> • Pilot Project <u>Activities' Support</u> • <u>Legal System for the Smartcard</u>
Reason: The JICA Expert team has been decided.	

2. Reports

Before	Amended Version
II. <u>OUTLINE OF THE PROJECT</u> 10. Reports DOT and JICA will jointly prepare the following reports in English and Vietnamese. (1) Inception Report at the commencement of the first work period in Vietnam (2) Progress Report on annual basis until the project completion (3) Project Completion Report at one (1) month before the termination of the Project	II. <u>OUTLINE OF THE PROJECT</u> 10. Reports DOT and JICA will jointly prepare the following reports in English and Vietnamese. (1) <u>Work Plan</u> at the commencement of the first work period in Vietnam (2) <u>Monitoring Sheet on semiannual basis</u> until project completion (3) Project Completion Report at one (1) month before the termination of the Project
Reason: New monitoring method has been introduced.	

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3. Monitoring Sheets and Project Completion Report

Before	Amended Version
<p>IV. MONITORING AND EVALUATION Also, Project Completion Report shall be drawn up one (1) month before the termination of the Project.</p>	<p>IV. MONITORING AND EVALUATION Also, Project Completion Report shall be drawn up one (1) month before the termination of the Project. <u>The Monitoring Sheets and the formats of Project Completion Report are attached hereinafter.</u> <u>Appendix 1: Monitoring Sheets</u> <u>Appendix 2: Format of Project Completion Report</u></p>
<p>Reason: New formats of Monitoring Sheets and Project Completion Report have been introduced</p>	

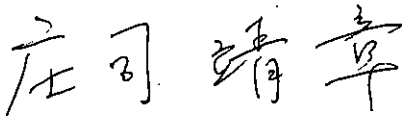
This amendment will become effective as of May 12, 2015.

Appendix 1 : Monitoring Sheets

Appendix 2 : Format of Project Completion Report

Annex 1 : Record of Discussions (signed on May 15, 2014)

May 12, 2015
Binh Duong, Vietnam



Mr. Yasuaki SHOJI
Deputy Director
Infrastructure and Peacebuilding Department
Japan International Cooperation Agency



Mr. Tran Ba Luan
Director
Department of Transport
The People's Committee of Binh Duong
Province

TO CR of JICA VIETNAM OFFICE

PROJECT MONITORING SHEET

Project Title : Project for Enhancing Management Capacity of Transport SystemFocused on Public Transport in Binh Duong ProvinceVersion of the Sheet: Ver.●● (Term: Month, Year - Month, Year)

Name: _____

Title: Chief Advisor _____

Submission Date: _____

I. Summary

1 Progress

1-1 Progress of Inputs

1-2 Progress of Activities

1-3 Achievement of Output

1-4 Achievement of the Project Purpose

1-5 Changes of Risks and Actions for Mitigation

1-6 Progress of Actions undertaken by JICA

1-7 Progress of Actions undertaken by Gov. of ●●

1-8 Progress of Environmental and Social Considerations (if applicable)

1-9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

1-10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs etc.)

2 Delay of Work Schedule and/or Problems (if any)

2-1 Detail

2-2 Cause

2-3 Action to be taken

2-4 Roles of Responsible Persons/Organization (JICA, Gov. of●●,etc.)

3 Modification of the Project Implementation Plan

3-1 PO

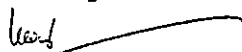
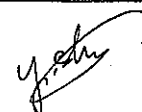
3-2 Other modifications on detailed implementation plan

(Remarks: The amendment of R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input) should be authorized by JICA HDQs. If the project team deems it necessary to modify any part of R/D and PDM, the team may propose the draft.)

4 Preparation of Gov. of●● toward after completion of the Project

II. Project Monitoring Sheet I & II


as Attached

Project Monitoring Sheet I (Revision of Project Design Matrix)

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province
 Implementing Agency: Department of Transport, Binh Duong Province
 Target Group: Department of Transport, Binh Duong Province
 Period of Project: March 2015 - February 2018
 Project Site: The south of Binh Duong Province

Version 1.1
Dated 12 May 2015

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p>Overall Goal Enhancement of public transport system is promoted.</p>	<p>Number of public transport passengers/ modal share of public transportation are increased.</p>	<p>- Statistics/ Survey</p>			
<p>Project Purpose Institutional capacity of policy development and implementation on the public transport system development is strengthened.</p>	<p>- Counterpart(C/P) prepare/ implement followings in cooperation with JICA experts in good manner. - Bus system improvement plan - Several pilot projects/ mobility management activities - Bus system improvement plan is authorized.</p>	<p>- Relevant documents - Survey on participation of C/P - Comparison of capacity of C/P based on baseline survey and others - A document for authorization</p>			
<p>Outputs (1) Bus system improvement plan is prepared. (2) Measures to upgrade quality of the bus services are examined and pilot project is implemented. (3) Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.</p>	<p>1.1. Each activity for preparation of bus system improved plan is completed 2.1. The orientation for improvement of the quality of bus services is identified. 2.2. Measures to provide punctual bus operation are introduced and punctuality improves. 2.3. Bus IC-card system is introduced and institutions to manage and operate the Bus IC-card system is established. 2.4. Attitude of bus drivers and conductors toward passengers is monitored to be improved. 2.5. Traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area are implemented. 3.1. Policies and measures of mobility management are obtained and communication skills are developed. 3.2. Mobility management activities to promote public transport with enterprises and local community are implemented. 3.3. Mobility management activities to promote Park & Ride for bus users are implemented.</p>	<p>- Bus system improvement plan - Report of pilot projects - Report of mobility management activities</p>			
<p>Activities 1. Bus system improvement plan is prepared 1.1. Collection of the necessary document and review. 1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.) 1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport. 1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework. 1.5. Study bus network system based on demand forecast. 1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system. 1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City. 1.8. Prepare bus system improvement plan. 1.9. Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated. 2. Measures to upgrade quality of the bus services is examined and pilot project is implemented. 2.1. Examine and identify the orientation for improvement of the quality of bus services. 2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route. 2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system. 2.4. Monitor attitude of bus drivers and conductors toward passengers. 2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area. 3. Mobility management activity plan to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities. 3.1. Study policies and measures of mobility management 3.2. Improve communication skills. 3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises. 3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users. 4. Organize seminars and workshops on public transport oriented society</p>	<p>The Japanese Side - Japanese Experts Chief Advisor/ Public Transport Policy Deputy Chief Advisor/ Urban Transport Planning Traffic Demand Analysis Traffic Management/ TDM/ Traffic Safety Bus Operation Planning Bus Operation Management Bus-related Facility Planning Mobility Management Pilot Project Activities' Support Public Involvement/ Publicity Planning Legal System for the Smartcard - Counterpart training in Japan and/or third world countries - Provision of equipment IC-card system Other equipment, if necessary - Support the implementation of the pilot projects (principle of cost share: provision of equipment, facilities, and materials, conduct of campaign and propaganda activities) - Seminars and workshops (principle of cost share: dispatch of short-term expert, provision of materials)</p>	<p>The Vietnamese Side - DOT (Transport management division, Planning and finance division, Management & operation center for public transport, Transport infrastructure division) - DOF - DPI - DOC - Becamex IDC - Implementation of the pilot project (principle of cost share: facilities, civil works including improvement of the bus stops, zebra zones and intersections, and development of parking places for P&R) - Conduct of seminars and workshops (principle of cost share: provision of venues) - Suitable weekly meeting space in DOT - Suitable office space for members in Becamex IDC with air conditioner, Wifi and sharing copy machine</p>	<p>Important Assumption - Vietnamese-related agencies' candidates for transfer of skills are supposed to continue working permanently. - Equipment is procured in time Pre-Conditions - The Project's main counterpart organization, DOT, Binh Duong Province, exists permanently.</p> <p style="text-align: center;"></p> <p><Issues and countermeasures></p>		

* Underline denotes new item in PDM1.1.
 * Strikethrough denotes removed item from PDM1.0 dated 15 May 2014.



Contents of the Project Completion Report

I. Basic Information of the Project

1. Country
2. Title of the Project
3. Duration of the Project (Planned and Actual)
4. Background (from Record of Discussions(R/D))
5. Overall Goal and Project Purpose (from Record of Discussions(R/D))
6. Implementing Agency

II. Results of the Project

1. Results of the Project

- 1-1 Input by the Japanese side (Planned and Actual)
- 1-2 Input by the Vietnam side (Planned and Actual)
- 1-3 Activities (Planned and Actual)

2. Achievements of the Project

- 2-1 Outputs and indicators
(Target values and actual values achieved at completion)
- 2-2 Project Purpose and indicators
(Target values and actual values achieved at completion)

3. History of PDM Modification

4. Others

- 4-1 Results of Environmental and Social Considerations (if applicable)
- 4-2 Results of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

III. Results of Joint Review

1. Results of Review based on DAC Evaluation Criteria
2. Key Factors Affecting Implementation and Outcomes
3. Evaluation on the results of the Project Risk Management
4. Lessons Learnt

IV. For the Achievement of Overall Goals after the Project Completion

1. Prospects to achieve Overall Goal
2. Plan of Operation and Implementation Structure of the Vietnam side to achieve Overall Goal
3. Recommendations for the Vietnam side
4. Monitoring Plan from the end of the Project to Ex-post Evaluation

(If the Project will be continuously monitored by JICA after the completion of the Project, mention the plan of post-monitoring here.)

ANNEX 1: Results of the Project

(List of Dispatched Experts, List of Counterparts, List of Trainings, etc.)

ANNEX 2: List of Products (Report, Manuals, Handbooks, etc.) Produced by the Project



ANNEX 3: PDM (All versions of PDM)

ANNEX 4: R/D, M/M, Minutes of JCC (copy) (*)

ANNEX 5: Monitoring Sheet (copy) (*)

(Remarks: ANNEX 4 and 5 are internal reference only.)

Separate Volume: Copy of Products Produced by the Project

MINUTES OF MEETINGS
BETWEEN
THE PEOPLE'S COMMITTEE OF BINH DUONG PROVINCE OF VIETNAM
AND
JAPAN INTERNATIONAL COOPERATION AGENCY
FOR THE CONFIRMATION OF PROGRESS
ON
THE PROJECT FOR ENHANCING MANAGEMENT CAPACITY OF
TRANSPORT SYSTEM FOCUSED ON PUBLIC TRANSPORT
IN BINH DUONG PROVINCE

Department of Transport, the People's Committee of Binh Duong Province of Vietnam (hereinafter referred to as "DOT") and Japan International Cooperation Agency (hereinafter referred to as "JICA") hereby confirmed the progress of the Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province (hereinafter referred to as "the Project") with the Monitoring Sheet submitted on 7th December 2015 as attached, and agree the following items for smooth project implementation;

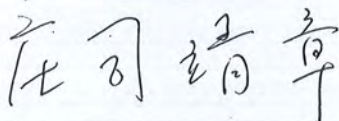
1. JICA requested more staffs especially from Public Transport Management and Operation Center (MOCPT) as a member of the Project's counterpart to start various pilot activities. DOT should take action to solve this matter with JCC Members as soon as possible for effective pilot project implementation.
2. DOT will take leadership to ensure implementation of the mobility management activities in collaboration with related agencies. The first MM activity aims to change commuting behavior of Administration Officers and to achieve 20% of modal share by bus.
3. DOT will prepare the implementation plan which includes a budget for parking construction on Park and Ride pilot project which will implement as a part of mobility management activities in the Project in 2017. JICA project team will assist the procedures.
4. Relevant organizations such as DOC, DPI, DOF, Becamex IDC will support and work together with DOT for above items.

Annex 1: Monitoring Sheet Summary

Annex 2: Monitoring Sheet I (Project Design Matrix)

Annex 3: Monitoring Sheet II (Project of Operation)

December 7, 2015
Binh Duong, Vietnam



Mr. Yasuaki Shoji
Deputy Director
Infrastructure and Peacebuilding
Department
Japan International Cooperation Agency



Mr. Tran Ba Luan
Director
Department of Transport
The People's Committee of Binh Duong
Province

To Chief Representative of JICA Vietnamese Office

PROJECT MONITORING SHEET

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province

Version of the Sheet: Ver. 2 (Term: March 2015 - February 2018)

Name: Mr. Michimasa TAKAGI

Title: Chief Advisor/ Public Transport Policy

Submission Date: December 2015

I. Summary

1 Progress

This monitoring sheet covers the period from project commencement in **April 2015** up to **the end of November 2015**.

1.1 Progress of Inputs

1.1.1 Experts

At project start, eleven (11) experts were dispatched to Binh Duong Province and conducted project activities. By the end of November, the JICA Project Team (JPT) already spent 13.83 person-months (PMs), accounting for 28 % of the planned number of person-months in the first contract year between JICA and the Japanese consultants.

Table 1: Input of Experts as of End-November 2015

Designation	Name	No. of PMs
Chief Advisor/ Public Transport Policy	M. TAKAGI	2.33
Vice Chief Advisor/ Urban Transport Planning	Y. SEKI	2.33
Traffic Demand Analysis	T. ODA	1.00
Traffic Management/ TDM/ Traffic Safety	K. NISHINO	0.70
Bus Operation Planning	K. TAKATA	0.63
Bus Operation Management	M. TAKATA	2.23
Bus-related Facility Planning	S. IMADA	0.00
Mobility Management	T. FUKUDA	2.00
Public Involvement/ Publicity Planning	M. KOJIMA	1.97
Pilot Project Implementation	H. EGUCHI	0.63
Legal System for IC card	K. HONDA	0.03
TOTAL PMs		13.83 (28 %)
Planned PMs		49.80

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1.2 Progress of Activities

1.2.1 Joint Coordinating Committee and Working Group Meetings

Two Joint Coordinating Committee (JCC) meetings and two working group (WG) meetings were held during the period.

Table 2: Joint Coordinating Committee and Working Group Meetings

Meetings Conducted	Participated Agency	Key Agenda	Date
First JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Work plan Presentation about Public Transport Situation and Issues in Binh Duong Revision of M/D	12th, May 2015
WG for Activity 1	DOT, MOCPT, JICA Project Team	Discussion about the WP of the Output 1	20th May 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Concept of MM Proposed activities & plan	17th June 2015
WG for Activity 1	DOT, MOCPT, JICA Project Team	Explain about the traffic survey & interview survey plan & contents by the contractor	17th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the WP of the Output 2 Sharing information about the public transport in Binh Duong Province	19th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the WP of the Output 2 Discussion about the public transport condition and management in Binh Duong Province	25th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the public transport condition and management in Binh Duong Province (continuously discussion and confirmation)	3rd July 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Discussion about travel feedback program (TFP) and Facilitator Skill Handbook	17th July 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Progress of traffic survey (traffic count & interview survey) Preliminary results of administrative staff survey Outline & concept of Smart Card Pilot Project Supporting policies for the PT development	7th August 2015
General meeting with DOT Director	DOT, JICA Project Team	Reporting about the project progress - Confirmation about the training in Japan	12 August 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Preliminary Result of Travel Behavior Survey for Administrative Officer in Binh Duong New City Preliminary Result of Commuter Survey for Company in Industrial Park Discussion on Scope of Work of Parking Survey Discussion on Counter Part Fund	12 August 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Confirmation about the contents of supporting policies for promotion of PT	25 August 2015
General meeting with Dr. Taniguchi	Dr. Taniguchi, DOT, DOF, DPI, MOPT, DOC, MOCPT, Becamex IDC, JICA HQ, JICA Project Team, Tokyu Cor.	Discussion on Current Public Transportation in Binh Duong Discussion on Contents of Training in Japan	27 August 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Discussion on MM Activities	30 September 2015
General meeting	DOT, JICA Project	Discussion on Activity Plan of MM	2 October 2015

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Annex 1

PM Form 3-1 Monitoring Sheet Summary

Meetings Conducted	Participated Agency	Key Agenda	Date
with DOT Director	Team	Confirmation about the contents on Joint Seminar	
WG for Activity 3	DOT, JICA Project Team	Small Workshop related Daily Travel Behavior targeting Administrative Officers	22 October 2015
General meeting with DOT Director	DOT, MOCPT, JICA Project Team	Confirmation about the contents on 2nd JCC Confirmation about the procedures for Joint Seminar	Nov. 18 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Discussion on Bus Priority Measures and TDM Measures Analyzing the Change in Mode Share based on the Travel Behavior Survey for Administrative Officer Introduction of Smartcard System	Nov. 18 2015
General meeting with DOT Director	DOT, JICA Project Team	Confirmation about Joint Seminar Materials	(Nov. 25 2015)
Joint Seminar	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Bus Companies, persons from Universities and others	Measures for Public Transport Development in Medium Cities in Vietnam + Public Transport Policy Measures and TDM + Public Transport Policy in Vietnam + Others	1 Dec 2015
WG for Activity 1&3	DOT, MOCPT, JICA Project Team	Discussion on TDM measures (Staggered Working and P&R) Confirmation about the target/goal on MM Activity Discussion on Future Traffic Demand	3 Dec. 2015
Meeting with DOT Director	DOT, JICA Project Team	Draft Minute of Meeting on 2nd JCC	4 Dec. 2015

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1.2.2 Output 1: Bus system improvement plan is prepared

The progress of Output 1 activities is shown in the table below.

Table 3: Progress of Output 1 Activities

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
1.1. Collection of the necessary document and review. (Work Item 5)	<ul style="list-style-type: none"> - Collected the input data for the travel demand forecast as follows: <ul style="list-style-type: none"> ✓ Socio-economic data: Statistical reports and the data needed for the traffic demand forecast (GDP, population, vehicle ownership, etc.) ✓ Existing plans and studies in transport sector: Related information and data with regards to the "Transport Master Plan toward 2020" ✓ Road network and public transport system (latest information) : The current status of road construction in Binh Duong Province along with the condition of the bus operations ✓ Related law, regulation and policy in urban transport sector: Laws/decrees related to the transport sector ✓ Financial Resource / Budget Plan: Regarding the financial resource/budget for constructing transport infrastructure and subsidies for the business of transport operations ✓ Current Situation of Collecting, Holding and Use of Traffic Data: Data held by MOCPT (bus related data) and the DOT (transport infrastructure data) ✓ Data Related to Poverty, Gender and etc.: Data regarding gender, population by age, disabled population, income data and etc. 	- No activity (N/A)

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Annex 1

PM Form 3-1 Monitoring Sheet Summary

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
<p>1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.) (Work Item 9)</p>	<ul style="list-style-type: none"> - Reviewed and analyzed the existing traffic data - Carried out following traffic surveys and analyzed the results: <ul style="list-style-type: none"> ✓ the traffic count survey ✓ the bus passenger interview survey ✓ the parking survey - Developed the travel demand forecasting model - Carried out following travel behavior surveys and analyzed the results: <ul style="list-style-type: none"> ✓ the residential area survey targeting the officials in the Administration Office ✓ the commuting pattern survey targeting the officials in the Administration office. ✓ the commuting pattern survey targeting Japanese companies in the industrial parks. ✓ the interview survey in VSIP-II to grasp workers' actual commuting pattern. 	<ul style="list-style-type: none"> - No activity (N/A)
<p>1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport. (Work Item 10)</p>	<ul style="list-style-type: none"> - Reviewed the current transportation master plan in the proposal report on mobility management. 	<ul style="list-style-type: none"> - N/A
<p>1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework. (Work Item 11)</p>	<ul style="list-style-type: none"> - Examined public transport priority policies and TDM polices. - Carried out the WG to show the CPT the traffic demand analysis and discuss the TDM, especially the bus priority policy. - Implementation of workshop / seminar and PR activity with citizens on urban transport issues. (Joint Seminar, Dec.1 2015) 	<ul style="list-style-type: none"> - Implementation of workshop / seminar and PR activity with citizens on urban transport issues. (to be continued)
<p>1.5. Study bus network system based on demand forecast. (Work Item 12)</p>	<ul style="list-style-type: none"> - No activity (N/A) 	<ul style="list-style-type: none"> - Estimation of Future Traffic Demand (March-May 2016) - Planning / Analysis of New

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Annex 1

PM Form 3-1 Monitoring Sheet Summary

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
		Bus Network (June-July 2016)
1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system. (Work Item 13)	- N/A	<ul style="list-style-type: none"> - Examine Bus Operation Plan (Aug-Dec 2016) - Examine Fare Policy (Aug-Dec 2016)
1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City. (Work Item 14)	- N/A	<ul style="list-style-type: none"> - Analyze the Current Parking Situation and Review the Parking Policy (March-April 2017) - Examine / Asses Parking Policies(May-June 2017)
1.8. Prepare bus system improvement plan. (Work Item 15)	- N/A	<ul style="list-style-type: none"> - Formulation of the Bus System Improvement Plan based on the activity 1.2 to 1.7 (July-Nov 2017)
1.9. Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated. (Work Item 6,7 and 8)	<ul style="list-style-type: none"> - Designed the questionnaire on baseline survey - Conducted of the first baseline survey targeting the CPT. - Prepared of a training plan - Set verifiable indicators and goals - Planned and carried out the training program in Japan (14-19 September) 	- N/A

1.2.3 Output 2: Measures to upgrade quality of the bus services are examined and pilot project is implemented.

The progress of Output 2 activities is shown in the table below.

Table 4: Progress of Output 2 Activities

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
2.1. Examine and identify the orientation for improvement of the quality of bus services. (Work Item 16)	<ul style="list-style-type: none"> - Grasped the current situation and examine a policy to improve bus service level - Carried out the site inspection at the bus terminal in Ben Cat - Examined the condition to introduce a IC-Card system 	<ul style="list-style-type: none"> - Preparation of implementation plan (to be continued)

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Annex 1

PM Form 3-1 Monitoring Sheet Summary

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
<p>2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route. (Work Item 17)</p>	<ul style="list-style-type: none"> - Examined a new bus route plan and an operation plan based on the result of travel behavior surveys - Analyzed the result of the bus passenger survey - 	<ul style="list-style-type: none"> - Prepare the bus timetable and establish the operations management mechanism (to be continued) - Implement and assess the pilot project bus route (up to Feb 2016) - Support the expansion of other bus routes (March-April 2016)
<p>2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system. (Work Item 18)</p>	<ul style="list-style-type: none"> - Reviewing the technical standards in Vietnam with regards to IC cards - Examined the requirements, necessary equipment and specification of the IC card system 	<ul style="list-style-type: none"> - Review the laws in Vietnam with regards to IC cards - Examined the requirements, necessary equipment and specification of the IC card system (to be continued) - Procurement of the equipment, system development and its testing and verification (from Jan 2016) - Implement and assess the pilot project (March-Dec 2016) - Examine interoperability of the IC cards with other transport modes and other fields (Sep-Nov 2016)
<p>2.4. Monitor attitude of bus drivers and conductors toward passengers. (Work Item 19)</p>	<p>- N/A</p>	<ul style="list-style-type: none"> - Introduce a monitoring scheme to check bus operators and bus crews' customer service attitude (May-Dec 2016)
<p>2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area. (Work Item 20)</p>	<p>- N/A</p>	<ul style="list-style-type: none"> - Implement safety measures for the pilot project bus route (Jan-Nov 2017)

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1.2.4 Output 3: Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.

The progress of Output 3 activities is shown in the table below.

Table 5: Progress of Output 3 Activities

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
3.1. Study policies and measures of mobility management (Work Item 21)	<ul style="list-style-type: none"> - Examined the current travel pattern to identify target groups for MM and activities for MM - Preparing a manual for MM 	-
3.2. Improve communication skills. (Work item 23)	<ul style="list-style-type: none"> - Implementing basic lectures on MM to the CPT 	<ul style="list-style-type: none"> - Technical training to improve communications abilities (to be continued)
3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises. (Work Item 22 and 24)	<ul style="list-style-type: none"> - Creating publication materials <ul style="list-style-type: none"> ✓ Draft of the bus route map - Drafted the MM activity plan and discussed with Director of DOT. - Analyzed the result of following surveys <ul style="list-style-type: none"> ✓ The commuting pattern survey targeting the officials in the Administration office. ✓ The commuting pattern survey targeting Japanese companies in the industrial parks. ✓ The interview survey in VSIP-II to grasp workers' actual commuting pattern. - Carried out the questionnaire survey targeting the workers in Becamex Tower and Tokyu Becamex Bus - Carried out the EASTS-JSCE Jointed Seminar in the Vietnam-German University 	<ul style="list-style-type: none"> - Create publication materials (up to June 2017) - Prepare the plan for implementing MM and coordinate with relevant firms and organizations (Jan-April 2016) - Implement and assess MM (March-Sep 2016)
3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users. (Work Item 25)	<ul style="list-style-type: none"> - N/A 	<ul style="list-style-type: none"> - MM to promote the park and ride policy (Oct 2016-Nov 2017)

1.3 Achievement of Output

1.3.1 Output1

Achievement status of Output 1 is as follows.

Table 6: Verifiable Indicators and Current Status

Objectively Verifiable Indicator	Baseline	Current Status
1.1. Each activity for preparation of bus system improved plan is completed	- No exist.	- Bus system improvement plan has not been prepared.

Source: PDM 1.1

1.3.2 Output 2

Achievement status of Output 2 is as follows.

Table 7: Verifiable Indicators and Current Status (Under Consideration)

Objectively Verifiable Indicator	Baseline	Current Status
2.1. The orientation for improvement of the quality of bus services is identified.	- To be measured	- To be discussed with the JPT and the CPT how to measure the quality of bus services.
2.2. Measures to provide punctual bus operation are introduced and punctuality improves.	- No exist.	- To be discussed with the JPT and the CPT how to measure the quality of bus services.
2.3. Bus IC-card system is introduced and institutions to manage and operate the Bus IC-card system is established.	- No exist.	- To be discussed with the JPT and the CPT about the applicable IC card system to be installed.
2.4. Attitude of bus drivers and conductors toward passengers is monitored to be improved.	- To be measured	- To be discussed with the JPT and the CPT how to measure the bus drivers attitude toward passengers.
2.5. Traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area are implemented.	- No. of fatal/ injured accidents are available.	- To be discussed with the JPT and the CPT how to measure the traffic safety level.

Source: PDM 1.1

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1.3.3 Output 3

Achievement status of Output 3 is as follows.

Table 8: Verifiable Indicators and Current Status (Under Consideration)

Objectively Verifiable Indicator	Baseline	Current Status
3.1. Policies and measures of mobility management are obtained and communication skills are developed.	<ul style="list-style-type: none"> - No policy and measures exist. - Score of the first baseline survey was 2.2 	<ul style="list-style-type: none"> - MM activity plan was drafted. - The first baseline survey which identifies the required skills and knowledge for MM was conducted. The average score of Output 3 is 2.2, meanwhile the numerical target is 3.0.
3.2. Mobility management activities to promote public transport with enterprises and local community are implemented.	<ul style="list-style-type: none"> - No exist. 	<ul style="list-style-type: none"> - To be discussed with the JPT and the CPT how to carry out MM activities.
3.3. Mobility management activities to promote Park & Ride for bus users are implemented.	<ul style="list-style-type: none"> - No exist. 	<ul style="list-style-type: none"> - To be discussed with the JPT and the CPT selection of the candidate site.

Source: PDM 1.1

1.4 Achievement of the Project Purpose

Also stated in PDM, the achievement of the project purpose shall be evaluated using verifiable indicators.

Table 9: Verifiable Indicators and Current Status

Objectively verifiable indicators	Baseline	Current Status
<ul style="list-style-type: none"> - Counterpart (C/P) prepare/ implement followings in cooperation with JICA experts in good manner. <ul style="list-style-type: none"> ✓ Bus system improvement plan ✓ Several pilot projects/ mobility management activities 	<ul style="list-style-type: none"> - The capacity scores for each output at the baseline survey are 3.15, 2.77 and 2.22. 	<ul style="list-style-type: none"> - The first baseline survey was conducted. - To be discussed with the JPT and the CPT how to improve bus system. - To be identified the target group of MM activities. After that, MM activity plan will be drafted focusing on them.
<ul style="list-style-type: none"> - Bus system improvement plan is authorized. 	<ul style="list-style-type: none"> - No existed. 	<ul style="list-style-type: none"> - To be discussed with the JPT and the CPT

Source: PDM 1.1

To achieve the project purpose, the JPT identify the required knowledge and skills by each output shown in the following table. Result of the baseline survey were evaluated on a five-level scale as indicated below and illustrated in following figures.

- (1) Newbie: I don't know the process/ concept;
- (2) Novice: I know the process/ concept, but I have never done it;
- (3) Young Expert: I have done it once, but I have not reported or presented the results;
- (4) Expert: I have done it twice or more/ I have done it once and reported or presented the results; and
- (5) Senior Expert: I have done it twice or more, and reported or presented the results.

Table 10 Required Knowledge and Skills per Project Output and Activity

Expected Output	Activities	Required Knowledge & Skills	
(1) Bus system improvement plan is prepared.	1.1. Collection of the necessary document and review.	1.1.1	Analyzing Statistical Data for Bus Improvement Plan
	1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.)	1.1.2	Identifying Bus Transport Issues
	1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport.	1.1.3	Implementing and Analyzing Traffic Surveys
	1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework.	1.1.4	Knowledge of Traffic Demand Management (TDM)
	1.8. Prepare bus system improvement plan.	1.1.5	Formulating Public Transport Policies
	1.5. Study bus network system based on demand forecast.	1.1.6	Planning for Bus Route
		1.1.7	Planning for Bus Operating Plan
	1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system.	1.1.8	Formulation of Fare Policy
		1.1.9	Conducting Financial Analysis
	1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City.	1.1.10	Planning for Traffic Management
		1.1.11	Solving Issues related Parking Policy
		1.1.12	Conducting Evaluation of Parking Policy
(2) Measures to upgrade quality of the bus services are examined and pilot project is implemented.	2.1. Examine and identify the orientation for improvement of the quality of bus services.	2.1.1	Analyzing Users' Needs
		2.1.2	Planning for the Improvement of the Bus Service Level
		2.1.3	Conducting an Implementation Plan
	2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route.	2.2.1	Preparing a Bus Operation Plan
		2.2.2	Preparing a Timetable
		2.2.3	Conducting a Bus Operation Management Plan
	2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system.	2.3.1	Do you know the smartcard system introduced into Becamex Tokyu Bus?
		2.3.2	Planning of introducing Smartcard System
		2.3.3	Analyzing of Smartcard Data

Annex 1

PM Form 3-1 Monitoring Sheet Summary

Expected Output	Activities	Required Knowledge & Skills	
	2.4. Monitor attitude of bus drivers and conductors toward passengers.	2.3.4	Knowledge of Smartcard related Laws
		2.4.1	Identifying the Current Issues of Bus Drivers' and Conductors' Service
		2.4.2	Preparing a Manual/Guideline for Bus Drivers and Conductors
		2.4.3	Evaluating the Scheme
	2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.	2.5.1	Identifying the Current Issues of Traffic Safety on the Pilot Project Bus Route
		2.5.2	Knowledge of Traffic Safety Countermeasures
2.5.3		Conducting a Traffic Safety Awareness Campaign	
(3) Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.	3.1. Study policies and measures of mobility management	3.1.1	Knowledge of Mobility Management
		3.1.2	Preparing Mobility Management Policies
		3.1.3	Communicating citizens to Encourage to Use Public Transport
	3.2. Improve communication skills.	3.2.1	Planning and Implementing Mobility Management
		3.2.2	Building Stakeholders' Consensus
		3.2.3	Analyzing and Evaluating Mobility Management Activities
	3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises.	3.3.1	Knowledge of Park & Ride
		3.3.2	Implementing a Social Experiment
	3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users.	3.3.3	Analyzing and Evaluating a Social Experiment

The first baseline survey was conducted in June 2015 to measure the current knowledge and skills level. The average scores are shown in the following table and each scores are in the following figures.

Table 11 Average Scores per Outputs

Survey	Output		
	1	2	3
Baseline Survey (June 2015)	3.15	2.77	2.22

4/10

W/W

Figure 1 Required Knowledge and Skills for Output 1: Bus system improvement plan

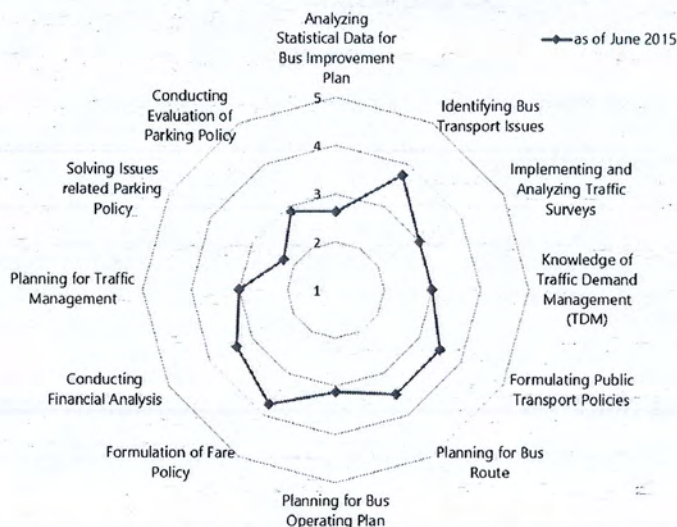


Figure 2 Required Knowledge and Skills for Output 2: Upgrade quality of the bus services

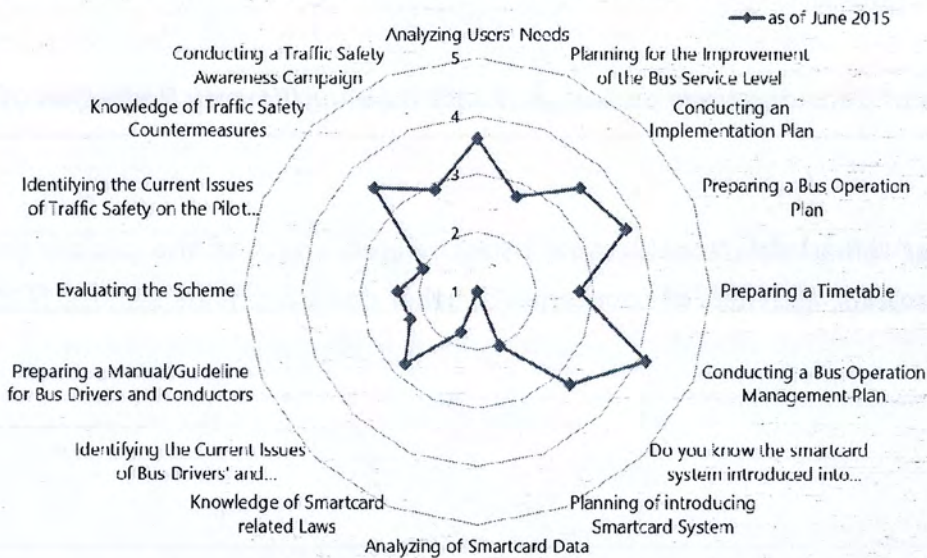
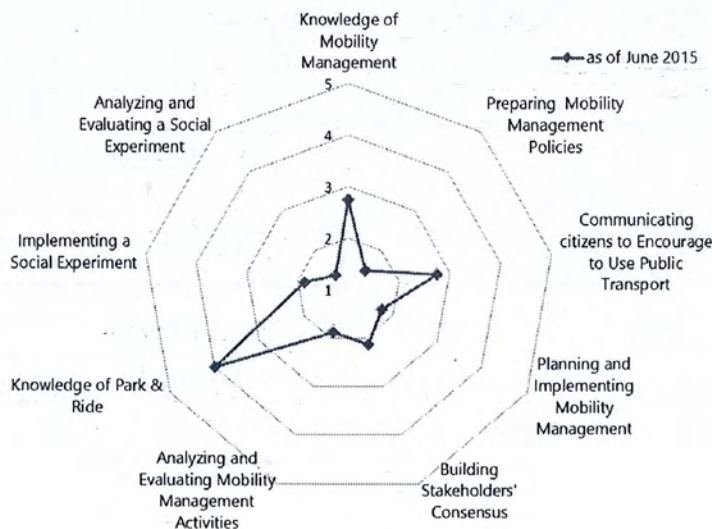


Figure 3 Required Knowledge and Skills for Output 3: Mobility management



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1.5 Changes of Risks and Actions for Mitigation

Not applicable (N/A)

1.6 Progress of Actions undertaken by JICA

On May 12, 2015, DOT and JICA agreed to amend the following items in the RD signed on May 15, 2014, namely (i) to add the expert's field, (ii) to change the report, and (iii) to change the report format for monitoring and evaluation.

1.7 Progress of Actions undertaken by The People's Committee of Binh Duong Province

The People's Committee of Binh Duong Province dispatched the counterpart members from DOT.

1.8 Progress of Environmental and Social Considerations (if applicable)

N/A

1.9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A

1.10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs etc.)

N/A

gshuy

hul

2 Delay of Work Schedule and/or Problems (if any)

2.1 Detail

N/A

2.2 Cause

N/A

2.3 Action to be taken

N/A

2.4 Roles of Responsible Persons/Organization (JICA, The People's Committee of Binh Duong Province, etc.)

N/A

3 Modification of the Project Implementation Plan

3.1 PO

N/A

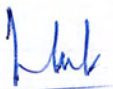
3.2 Other modifications on detailed implementation plan

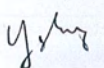
N/A

4 Preparation of The People's Committee of Binh Duong Province toward after completion of the Project

N/A

II. Project Monitoring Sheet I & II *as Attached*





Project Monitoring Sheet 1 (Revision of Project Design Matrix)

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province

Implementing Agency: Department of Transport, Binh Duong Province

Target Group: Department of Transport, Binh Duong Province

Period of Project: March 2015 - February 2018

Project Site: The south of Binh Duong Province

Version 1.1

Dated 12 May 2015

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p>Overall Goal Enhancement of public transport system is promoted.</p> <p>Project Purpose Institutional capacity of policy development and implementation on the public transport system development is strengthened.</p>	<p>Number of public transport passengers/ modal share of public transportation are increased.</p> <ul style="list-style-type: none"> - Counterpart(C/P) prepare/ implement followings in cooperation with JICA experts in good manner. - Bus system improvement plan - Several pilot projects/ mobility management activities - Bus system improvement plan is authorized. 	<p>- Statistics/ Survey</p> <ul style="list-style-type: none"> - Relevant documents - Survey on participation of C/P - Comparison of capacity of C/P based on baseline survey and others - A document for authorization 		<p>N/A</p> <ul style="list-style-type: none"> - The first baseline survey was conducted. - To be discussed with The JPT and The CPT how to improve bus system. - To be identified The target group of MM activities. After that, MM activity plan will be drafted focusing on them. 	<p>N/A</p>
<p>Outputs</p> <p>(1) Bus system improvement plan is prepared.</p> <p>(2) Measures to upgrade quality of the bus services are examined and pilot project is implemented.</p> <p>(3) Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.</p>	<p>1.1. Each activity for preparation of bus system improved plan is completed</p> <p>2.1. The orientation for improvement of the quality of bus services is identified.</p> <p>2.2. Measures to provide punctual bus operation are introduced and punctuality improves.</p> <p>2.3. Bus IC-card system is introduced and institutions to manage and operate the Bus IC-card system is established.</p> <p>2.4. Attitude of bus drivers and conductors toward passengers is monitored to be improved.</p> <p>2.5. Traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area are implemented.</p> <p>3.1. Policies and measures of mobility management are obtained and communication skills are developed.</p> <p>3.2. Mobility management activities to promote public transport with enterprises and local community are implemented.</p> <p>3.3. Mobility management activities to promote Park & Ride for bus users are imolemented.</p>	<p>- Bus system improvement plan</p> <p>- Report of pilot projects</p> <p>- Report of mobility management activities</p>		<ul style="list-style-type: none"> - Bus system improvement plan has not been prepared. - To be discussed with the JPT and the CPT how to measure the quality of bus services. - To be discussed with the JPT and the CPT how to measure the quality of bus services. - To be discussed with the JPT and the CPT about the applicable IC card system to be installed. - To be discussed with the JPT and the CPT how to measure the bus drivers attitude toward passengers. - To be discussed with the JPT and the CPT how to measure the traffic safety level. - MM activity plan was drafted. - The first baseline survey which identifies the required skills and knowledge for MM was conducted. The average score of Output 3 is 2.2, meanwhile the numerical target is 3.0. - To be discussed with the JPT and the CPT how to carry out MM activities. 	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>

Activities	Inputs	The Vietnamese Side	Important Assumption
<p>1. Bus system improvement plan is prepared</p> <p>1.1. Collection of the necessary document and review.</p> <p>1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.)</p> <p>1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport.</p> <p>1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework.</p> <p>1.5. Study bus network system based on demand forecast.</p> <p>1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system.</p> <p>1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City.</p> <p>1.8. Prepare bus system improvement plan.</p> <p>1.9. Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated.</p> <p>2. Measures to upgrade quality of the bus services is examined and pilot project is implemented.</p> <p>2.1. Examine and identify the orientation for improvement of the quality of bus services.</p> <p>2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route.</p> <p>2.3. Introduce bus IC-card system on the pilot project route</p>	<p>The Japanese Side</p> <ul style="list-style-type: none"> - Japanese Experts - Chief Advisor/ Public Transport Policy - Deputy Chief Advisor/ Urban Transport Planning - Traffic Demand Analysis - Traffic Management/ TDM/ Traffic Safety - Bus Operation Planning - Bus Operation Management - Bus-related Facility Planning - Mobility Management - Pilot Project Activities' Support - Public Involvement/ Publicity Planning - Legal System for the Smartcard - Counterpart training in Japan and/or third world countries - Provision of equipment - IC-card system - Other equipment, if necessary - Support the implementation of the pilot projects (principle of cost share: provision of equipment, facilities, and materials, conduct of campaign and propaganda activities) - Seminars and workshops (principle of cost share: dispatch of short term expert, provision of materials) 	<p>The Vietnamese Side</p> <ul style="list-style-type: none"> - DOT (Transport management division, Planning and finance division, Management & operation center for public transport, Transport infrastructure division) - DOF - DPI - DOC - Becamex IDC - Implementation of the pilot project (principle of cost share: facilities, civil works including improvement of the bus stops, zebra zones and intersections, and development of parking places for P&R) - Conduct of seminars and workshops (principle of cost share: provision of venues) - Suitable weekly meeting space in DOT - Suitable office space for members in Becamex IDC with air conditioner, Wifi and sharing copy machine 	<ul style="list-style-type: none"> - Vietnamese-related agencies' candidates for transfer of skills are supposed to continue working permanently. - Pre-Conditions - The Project's main counterpart organization, DOT, Binh Duong Province, exists permanently. - Issues and countermeasure

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and establish institutions to manage and operate the IC-card system.
2.4. Monitor attitude of bus drivers and conductors toward passengers.
2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.

3. Mobility management activity plan to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.
3.1. Study policies and measures of mobility management
3.2. Improve communication skills.
3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises.
3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users.

* Underline denotes new item in PDM1.1.

* Strikethrough denotes removed item from PDM1.0 dated 15 May 2014.

MINUTES OF MEETINGS
BETWEEN
THE PEOPLE'S COMMITTEE OF BINH DUONG PROVINCE OF VIETNAM
AND
JAPAN INTERNATIONAL COOPERATION AGENCY
FOR THE CONFIRMATION OF PROGRESS
ON
THE PROJECT FOR ENHANCING MANAGEMENT CAPACITY OF
TRANSPORT SYSTEM FOCUSED ON PUBLIC TRANSPORT
IN BINH DUONG PROVINCE

Department of Transport, the People's Committee of Binh Duong Province of Vietnam (hereinafter referred to as "DOT") and Japan International Cooperation Agency (hereinafter referred to as "JICA") hereby confirmed the progress of the Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province (hereinafter referred to as "the Project") with the Monitoring Sheet submitted on 25th May 2016 as attached (Annex 1 -3), and agree the following items for smooth project implementation;

1. JICA pointed out that involvement of counterpart to the project activities has been limited without assignment of full-time counterpart staff. JICA emphasized that close communication between the counterpart staffs and the JICA project team is required to realize and sustain the benefit of technical cooperation. DOT explained the current situation that increase of personnel in public offices is not allowed under the Decision No. 2218/QD-TTg, December 10, 2015. However, DOT agreed that counterpart staffs should be more involved in the project activities and work regularly with the JICA project team.

2. DOT and JICA project team implemented the 1st phase of mobility management workshops for 100 administrative officers and 200 university students. The impact of this activity did not result in the changes of the number of bus passenger. DOT agreed to review the contents and continue to implement the mobility management activities for other administrative officers and students in collaboration with related agencies. The plan of the 2nd phase of mobility management activities between June and August 2016 is shown in Annex 4. JICA requested counterpart staffs should take lead in continuing mobility management activities. In addition, relocation of bus stop in front of administrative center to improve accessibility for bus users is proposed by JICA. The leaders of Binh Duong PC agreed to take necessary actions.

3. DOT and JICA project team have confirmed the investment plan of Park and Ride Pilot Project as shown in Annex 5. DOT agreed to make necessary arrangement with counterpart agencies to secure the implementation cost.

4. In line with the public policy to increase modal share of public transport in Binh Duong, JICA project team is studying the subsidy policy for public transport in Binh Duong Province. DOT and relevant agencies will prepare the proposal on subsidy policy in cooperation with JICA project team.



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5. JICA noted that the agreed inputs should be fulfilled by both sides in a timely manner for the success of the Project

6. In view of the above mentioned 5 points, relevant organizations such as DOC, DPI, DOF, members from Binh Duong PC office and Becamex IDC agreed to support and work together with DOT.

Annex 1: Monitoring Sheet Summary

Annex 2: Monitoring Sheet I (Project Design Matrix)

Annex 3: Monitoring Sheet II (Project of Operation)

Annex 4: Plan of Mobility Management Activities during June and August

Annex 5: Summary of Plan of Park and Ride Pilot Project

May 25, 2016

Binh Duong, Vietnam



Mr. Yoshiro Masuda
Deputy Director
Infrastructure and Peacebuilding
Department
Japan International Cooperation Agency

Mr. Tran Ba Luan
Director
Department of Transport
The People's Committee of Binh Duong
Province



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Annex1:

PROJECT MONITORING SHEET

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province

Version of the Sheet: Ver. 3 (Term: March 2015 - February 2018)

Name: Mr. Michimasa TAKAGI / Mr. Yosui SEKI

Title: Chief Advisor/ Public Transport Policy /Vice Chief Advisor/ Urban Transport Planning

Submission Date: May 2016

I. Summary

1 Progress

This monitoring sheet covers the period from project commencement in **April 2015** up to **the end of April 2016**.

1.1 Progress of Inputs

1.1.1 Experts

At project start, eleven (11) experts were dispatched to Binh Duong Province and conducted project activities. By the end of April, the JICA Project Team (JPT) already spent 19.89 person-months (PMs), accounting for 40 % of the planned number of person-months in the first contract year between JICA and the Japanese consultants.

Table 1: Input of Experts as of End-April 2016

Designation	Name	No. of PMs
Chief Advisor/ Public Transport Policy	M. TAKAGI	2.70
Vice Chief Advisor/ Urban Transport Planning	Y. SEKI	4.63
Traffic Demand Analysis	T. ODA	1.00
Traffic Management/ TDM/ Traffic Safety	K. NISHINO	1.23
Bus Operation Planning	K. TAKATA	0.63
Bus Operation Management	M. TAKATA	3.13
Bus-related Facility Planning	S. IMADA	0.27
Mobility Management	T. FUKUDA	2.73
Public Involvement/ Publicity Planning	M. KOJIMA	1.97
Pilot Project Implementation	H. EGUCHI	1.03
Legal System for IC card	K. HONDA	0.57
TOTAL PMs		19.89 (40%)
Planned PMs		49.80

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1.2 Progress of Activities

1.2.1 Joint Coordinating Committee and Working Group Meetings

Three Joint Coordinating Committee (JCC) meetings and several working group (WG) meetings were held during the period.

Table 2: Joint Coordinating Committee and Working Group Meetings

Meetings Conducted	Participated Agency	Key Agenda	Date
First JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Work plan Presentation about Public Transport Situation and Issues in Binh Duong Revision of M/D	12th, May 2015
WG for Activity 1	DOT, MOCPT, JICA Project Team	Discussion about the WP of the Output 1	20th May 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Concept of MM Proposed activities & plan	17th June 2015
WG for Activity 1	DOT, MOCPT, JICA Project Team	Explain about the traffic survey & interview survey plan & contents by the contractor	17th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the WP of the Output 2 Sharing information about the public transport in Binh Duong Province	19th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the WP of the Output 2 Discussion about the public transport condition and management in Binh Duong Province	25th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the public transport condition and management in Binh Duong Province (continuously discussion and confirmation)	3rd July 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Discussion about travel feedback program (TFP) and Facilitator Skill Handbook	17th July 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Progress of traffic survey (traffic count & interview survey) Preliminary results of administrative staff survey Outline & concept of Smart Card Pilot Project Supporting policies for the PT development	7th August 2015
General meeting with DOT Director	DOT, JICA Project Team	Reporting about the project progress - Confirmation about the training in Japan	12 August 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Preliminary Result of Travel Behavior Survey for Administrative Officer in Binh Duong New City Preliminary Result of Commuter Survey for Company in Industrial Park Discussion on Scope of Work of Parking Survey Discussion on Counter Part Fund	12 August 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Confirmation about the contents of supporting policies for promotion of PT	25 August 2015
General meeting with Dr. Taniguchi	Dr. Taniguchi, DOT, DOF, DPI, MOPT, DOC, MOCPT, Becamex IDC, JICA HQ, JICA Project Team, Tokyu Cor.	Discussion on Current Public Transportation in Binh Duong Discussion on Contents of Training in Japan	27 August 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Discussion on MM Activities	30 September 2015
General meeting	DOT, JICA Project	Discussion on Activity Plan of MM	2 October 2015

PM Form 3-1 Monitoring Sheet Summary

Meetings Conducted	Participated Agency	Key Agenda	Date
with DOT Director	Team	Confirmation about the contents on Joint Seminar	
WG for Activity 3	DOT, JICA Project Team	Small Workshop related Daily Travel Behavior targeting Administrative Officers	22 October 2015
General meeting with DOT Director	DOT, MOCPT, JICA Project Team	Confirmation about the contents on 2nd JCC Confirmation about the procedures for Joint Seminar	Nov. 18 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Discussion on Bus Priority Measures and TDM Measures Analyzing the Change in Mode Share based on the Travel Behavior Survey for Administrative Officer Introduction of Smartcard System	Nov. 18 2015
General meeting with DOT Director	DOT, JICA Project Team	Confirmation about Joint Seminar Materials	Nov. 25 2015
Joint Seminar	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Bus Companies, persons from Universities and others	Measures for Public Transport Development in Medium Cities in Vietnam + Public Transport Policy Measures and TDM + Public Transport Policy in Vietnam + Others	1 Dec 2015
WG for Activity 1&3	DOT, MOCPT, JICA Project Team	Discussion on TDM measures (Staggered Working and P&R) Confirmation about the target/goal on MM Activity Discussion on Future Traffic Demand	3 Dec. 2015
Meeting with DOT Director	DOT, JICA Project Team	Discussion on Draft Minute of Meeting on 2nd JCC	4 Dec. 2015
2nd JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Progress Report	7 Dec. 2015
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on MM Pilot Activity on New Kaze Shuttle Route Use	8 Dec. 2015
Meeting with DOT Director	DOT and JICA Project Team	Confirmation about the Contents on MM Pilot Activity	15 Jan. 2016
Survey at VGU	VGU Students and JICA Project Team	MM Questionnaire Survey targeting VGU Students	18 & 19 Jan. 2016
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on MM Activity and PR Contents Investigation on P&R Sites	21 Jan. 2016
Meeting with MOCPT in HCMC	MOCPT in HCMC and JICA Project Team	Discussion on Smart Phone Application for Information Provision	22 Jan. 2016
Meeting with VGU Students	VGU Students and JICA Project Team	Confirmation about MM Activity Implementation Plan	2 Mar. 2016
WG for Activity 2&3	DOT, MOCPT and JICA Project Team	Site Viste to New Bus Terminal (hikari Bus Terminal) Confirmation about MM Activity Implementation Plan	4 Mar. 2016
Opening Ceremony of New Bus Routes	DOT, MOCPT and JICA Project Team	Attend to Opening Ceremony of New Bus Routes	8 Mar. 2016
Meeting with DOT Director	DOT and JICA Project Team	Confirmation about MM Activity Implementation Plan	8 Mar. 2016
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on Contents on MM Workshop	11 Mar. 2016
Facilitator Training	VGU Students and	Orientation and Facilitator Training to Organize	11 Mar. 2016

PM Form 3-1 Monitoring Sheet Summary

Meetings Conducted	Participated Agency	Key Agenda	Date
on MM Workshop	JICA Project Team	MM Workshop	
Meeting with DOT Director	DOT and JICA Project Team	Progress Report and Discussion	16 Mar. 2016
Preparatory Meeting on MM Workshop	VGU Students and JICA Project Team	Making Materials Confirmation of Workshop procedure	16 Mar. 2016
WG for Activity 1	DOT, MOCPT and JICA Project Team	Discussion on TDM measures	18 Mar. 2016
Lecture on MM by Dr. Taniguchi	DOT, MOCPT, VGU Students, Bus companies and JICA Project Team	Keynote Lecture on MM + Motorization and Issues + Social Dilemma on Transport Sector + Definition of Mobility Management + Mobility Management Activity in Japan + Applicability to Vietnam	21 Mar. 2016
1st MM Workshop	DOT, MOCPT, Bus Companies, Officer related Transport Sector and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	22 Mar. 2016
Meeting with DOT Director	DOT, JICA Project Team	Confirmation of Progress MM Workshop Result Required Procedure on Training in Japan & MM Workshop	25 Mar. 2016
Site Observation	Becamex and JICA Project Team	Site Observation on P&R Pilot Project Candidate Site	28 Mar. 2016
Meeting with DOT Director	DOT, JICA Project Team	Confirmation of Progress Required Procedure on MM Workshop	14 Apr. 2016
WG for Activity 2	DOT, MOCPT, JICA Project Team	Schedule & Overall Structure on Smartcard Pilot Project	14 Apr. 2016
Meeting with VGU	VGU and JICA Project Team	Smart Phone Application for Bus Users	20 Apr. 2016
WG for Activity 3	DOT, MOCPT, JICA Project Team	Candidate Sites for Park & Ride Facility Conceptual Design for Park & Ride Facility Estimation of Minimum Requirement of Parking Lot for Park & Ride Facility	22 Apr. 2016
2nd MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	27 Apr. 2016
Public Meeting with Local Bus Company	DOT, MOCPT, Local Bus Companies and JICA Project Team	Existing issue related to the bus operation in Binh Duong Province Information provision for bus usage promotion	29 Apr. 2016

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1.2.2 Output 1: Bus system improvement plan is prepared

The progress of Output 1 activities is shown in the table below.

Table 3: Progress of Output 1 Activities

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
<p>1.1. Collection of the necessary document and review. (Work Item 5)</p>	<p>- Collected the input data for the travel demand forecast as follows:</p> <ul style="list-style-type: none"> ✓ Socio-economic data: Statistical reports and the data needed for the traffic demand forecast (GDP, population, vehicle ownership, etc.) ✓ Existing plans and studies in transport sector: Related information and data with regards to the "Transport Master Plan toward 2020" ✓ Road network and public transport system (latest information) : The current status of road construction in Binh Duong Province along with the condition of the bus operations ✓ Related law, regulation and policy in urban transport sector: Laws/decrees related to the transport sector ✓ Financial Resource / Budget Plan: Regarding the financial resource/budget for constructing transport infrastructure and subsidies for the business of transport operations ✓ Current Situation of Collecting, Holding and Use of Traffic Data: Data held by MOCPT (bus related data) and the DOT (transport infrastructure data) ✓ Data Related to Poverty, Gender and etc.: Data regarding gender, population by age, disabled population, income data and etc. 	<p>- No activity (N/A)</p>



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Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
<p>1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.) (Work Item 9)</p>	<ul style="list-style-type: none"> - Reviewed and analyzed the existing traffic data - Carried out following traffic surveys and analyzed the results: <ul style="list-style-type: none"> ✓ the traffic count survey ✓ the bus passenger interview survey ✓ the parking survey - Developed the travel demand forecasting model - Carried out following travel behavior surveys and analyzed the results: <ul style="list-style-type: none"> ✓ the residential area survey targeting the officials in the Administration Office ✓ the commuting pattern survey targeting the officials in the Administration office. ✓ the commuting pattern survey targeting Japanese companies in the industrial parks. ✓ the interview survey in VSIP-II to grasp workers' actual commuting pattern. 	<p>- No activity (N/A)</p>
<p>1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport. (Work Item 10)</p>	<ul style="list-style-type: none"> - Reviewed the current transportation master plan in the Binh Duong Province. 	<p>- No activity (N/A)</p>
<p>1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework. (Work Item 11)</p>	<ul style="list-style-type: none"> - Examined public transport priority policies and TDM polices. - Carried out the WG to show the CPT the traffic demand analysis and discuss the TDM, especially the bus priority policy. - Implemented the workshop / seminar and PR activity with citizens on urban transport issues. (Joint Seminar, Dec.1 2015) - Implemented the keynote lecture on MM by Dr. Taniguchi. on Mar. 22, 2016) 	<p>- No activity (N/A)</p>



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Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
	<ul style="list-style-type: none"> - Carried out the public meeting with bus company on Apr. 29, 2016 	
1.5. Study bus network system based on demand forecast. (Work Item 12)	<ul style="list-style-type: none"> - Estimated the Future Traffic Demand - Done the Corridor Demand Analysis - Identified the issues on Current Bus Network Planning 	<ul style="list-style-type: none"> - Planning / Analysis of New Bus Network (June-July 2016)
1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system. (Work Item 13)	<ul style="list-style-type: none"> - Conducted the Public Meeting with Bus Company to collect the Required Information of Current Bus Operation 	<ul style="list-style-type: none"> - Examine Bus Operation Plan (Aug-Dec 2016) - Examine Fare Policy (Aug-Dec 2016)
1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City. (Work Item 14)	<ul style="list-style-type: none"> - N/A 	<ul style="list-style-type: none"> - Analyze the Current Parking Situation and Review the Parking Policy (March-April 2017) - Examine / Asses Parking Policies(May-June 2017)
1.8. Prepare bus system improvement plan. (Work Item 15)	<ul style="list-style-type: none"> - N/A 	<ul style="list-style-type: none"> - Formulation of the Bus System Improvement Plan based on the activity 1.2 to 1.7 (July-Nov 2017)
1.9. Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated. (Work Item 6,7 and 8)	<ul style="list-style-type: none"> - Designed the questionnaire on baseline survey - Conducted of the first baseline survey targeting the CPT. - Prepared of a training plan - Set verifiable indicators and goals - Planned and carried out the 1st training program in Japan (14-19 September, 2015) - Planned the 2nd training program in Japan 	<ul style="list-style-type: none"> - Carry out the training program in Japan (20-29 July, 2016) - Conduct the mid-term evaluation

1.2.3 Output 2: Measures to upgrade quality of the bus services are examined and pilot project is implemented.

The progress of Output 2 activities is shown in the table below.

Table 4: Progress of Output 2 Activities

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
2.1. Examine and identify the orientation for improvement of the quality of bus services. (Work Item 16)	<ul style="list-style-type: none"> - Grasped the current situation and examine a policy to improve bus service level - Carried out the site inspection at the bus terminal in Ben Cat - Examined the condition to introduce a IC-Card system - Carried out the public meeting with local bus company 	<ul style="list-style-type: none"> - Examined and discussion with local bus company for improvement of the quality of bus services (to be continued)
2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route. (Work Item 17)	<ul style="list-style-type: none"> - Examined a new bus route plan and an operation plan based on the result of travel behavior surveys - Analyzed the result of the bus passenger survey - Prepared the bus timetable and establish the operations management mechanism 	<ul style="list-style-type: none"> - Implement and assess the pilot project bus route (to be continued) - Support the expansion of other bus routes (to be continued)
2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system. (Work Item 18)	<ul style="list-style-type: none"> - Reviewing the technical standards in Vietnam with regards to IC cards - Examined the requirements, necessary equipment and specification of the IC card system - Reviewed the laws in Vietnam with regards to IC cards - Examined the requirements, necessary equipment and specification of the IC card system 	<ul style="list-style-type: none"> - Procurement of the equipment, system development and its testing and verification (to be continued) - Implement and assess the pilot project (March-Dec 2016) - Examine interoperability of the IC cards with other transport modes and other fields (Sep-Nov 2016)
2.4. Monitor attitude of bus drivers and conductors toward passengers. (Work Item 19)	<ul style="list-style-type: none"> - N/A 	<ul style="list-style-type: none"> - Introduce a monitoring scheme to check bus operators and bus crews' customer service attitude (May-Dec 2016)
2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban	<ul style="list-style-type: none"> - Carried out the public meeting with bus company to exchange the opinions 	<ul style="list-style-type: none"> - Implement safety measures for the pilot project bus route (Jan-Nov 2017)

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
area. (Work Item 20)		

1.2.4 Output 3: Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.

The progress of Output 3 activities is shown in the table below.

Table 5: Progress of Output 3 Activities

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
3.1. Study policies and measures of mobility management (Work Item 21)	<ul style="list-style-type: none"> - Examined the current travel pattern to identify target groups for MM and activities for MM - Preparing a manual for MM - Conducted and Analyzed the Questionnaire Survey to Identified the Characteristics of Travel Behaviors 	- No activity (N/A)
3.2. Improve communication skills. (Work item 23)	<ul style="list-style-type: none"> - Implemented basic lectures on MM to the CPT - Conducted technical training to organize the MM Workshop 	- Technical training to improve communications abilities (to be continued)
3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises. (Work Item 22 and 24)	<ul style="list-style-type: none"> - Creating publication materials <ul style="list-style-type: none"> ✓ Draft of the bus route map ✓ Standee, Banner and wrapping bus to promote bus usage - Prepared the MM activity plan - Analyzed the result of following surveys <ul style="list-style-type: none"> ✓ The commuting pattern survey targeting the officials in the Administration office. ✓ The commuting pattern survey targeting Japanese companies in the industrial parks. ✓ The interview survey in VSIP-II to grasp workers' actual commuting pattern. - Carried out the questionnaire survey targeting the workers in Becamex Tower and Tokyu Becamex Bus - Carried out the EASTS-JSCE 	<ul style="list-style-type: none"> - Create publication materials (up to June 2017) - Prepare the plan for implementing MM and coordinate with relevant firms and organizations (to be continued) - Implement and assess MM (March-Sep 2016)

PM Form 3-1 Monitoring Sheet Summary

Activity and Work Item	Progress of Activities	Activity for the Next 6 Months
	Jointed Seminar in the Vietnam-German University - Implemented MM Workshop targeting Government Officer (2 times) - Implemented MM Activity targeting University Student	
3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users. (Work Item 25)	- Making the conceptual Plan for the candidate side of P&R Pilot Project - Drafted the Implementation Plan for P&R Pilot Project	- Investigated the interoperability between the free pass on bus smartcard and Parking fare collection - Finalized the Implementation of P&R Pilot Project (until Sep. 2016)



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1.3 Achievement of Output

1.3.1 Output1

Achievement status of Output 1 is as follows.

Table 6: Verifiable Indicators and Current Status

Objectively Verifiable Indicator	Baseline	Current Status
1.1. Each activity for preparation of bus system improved plan is completed	- No exist. (PT-MP, Decision No. 4291/QD-UBND, Dec. 24, 2014 only)	- Contents on Bus system improvement plan are examined.

Source: PDM 1.1

1.3.2 Output 2

Achievement status of Output 2 is as follows.

Table 7: Verifiable Indicators and Current Status (Under Consideration)

Objectively Verifiable Indicator	Baseline	Current Status
2.1. The orientation for improvement of the quality of bus services is identified.	- No exist. (PT-MP, Decision No. 4291/QD-UBN D, Dec. 24, 2014 only)	- Bus user opinion survey was conducted. - Public Meeting with local bus company was held (to be continued)
2.2. Measures to provide punctual bus operation are introduced and punctuality improves.	- 1 route	- Expanded to 6 routes
2.3. Bus IC-card system is introduced and institutions to manage and operate the Bus IC-card system is established.	- No exist.	- Prepared the specification of bus IC-Card system on pilot project
2.4. Attitude of bus drivers and conductors toward passengers is monitored to be improved.	- No exist.	-
2.5. Traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area are implemented.	- No exist.	-

Source: PDM 1.1

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1.3.3 Output 3

Achievement status of Output 3 is as follows.

Table 8: Verifiable Indicators and Current Status (Under Consideration)

Objectively Verifiable Indicator	Baseline	Current Status
3.1. Policies and measures of mobility management are obtained and communication skills are developed.	<ul style="list-style-type: none"> - No policy and measures exist. - Score of the first baseline survey was 2.2 	<ul style="list-style-type: none"> - MM activity plan was prepared. - Facilitator training, keynote lecture was implemented.
3.2. Mobility management activities to promote public transport with enterprises and local community are implemented.	<ul style="list-style-type: none"> - No exist. 	<ul style="list-style-type: none"> - 2 times MM workshops for Admin. Officers and MM activities for University students were implemented.
3.3. Mobility management activities to promote Park & Ride for bus users are implemented.	<ul style="list-style-type: none"> - No exist. 	<ul style="list-style-type: none"> - Drafted the implementation plan for P&R pilot project.

Source: PDM 1.1

1.4 Achievement of the Project Purpose

Also stated in PDM, the achievement of the project purpose shall be evaluated using verifiable indicators.

Table 9: Verifiable Indicators and Current Status

Objectively verifiable indicators	Baseline	Current Status
<ul style="list-style-type: none"> - Counterpart (C/P) prepare/ implement followings in cooperation with JICA experts in good manner. <ul style="list-style-type: none"> ✓ Bus system improvement plan ✓ Several pilot projects/ mobility management activities 	<ul style="list-style-type: none"> - The capacity scores for each output at the baseline survey are 3.15, 2.77 and 2.22. 	<ul style="list-style-type: none"> - The first baseline survey was conducted. - The target group of MM identified as Admin. Officer and University Student. - MM activities were implemented for above target.
<ul style="list-style-type: none"> - Bus system improvement plan is authorized. 	<ul style="list-style-type: none"> - No existed. 	<ul style="list-style-type: none"> - Contents on Bus system improvement plan are preparing.

Source: PDM 1.1

To achieve the project purpose, the JPT identify the required knowledge and skills by each output shown in the following table. Result of the baseline survey were evaluated on a five-level scale as indicated below and illustrated in following figures.

- (1) Newbie: I don't know the process/ concept;
- (2) Novice: I know the process/ concept, but I have never done it;
- (3) Young Expert: I have done it once, but I have not reported or presented the results;
- (4) Expert: I have done it twice or more/ I have done it once and reported or presented the results; and
- (5) Senior Expert: I have done it twice or more, and reported or presented the results.

Table 10 Required Knowledge and Skills per Project Output and Activity

Expected Output	Activities	Required Knowledge & Skills	
(1) Bus system improvement plan is prepared.	1.1. Collection of the necessary document and review.	1.1.1	Analyzing Statistical Data for Bus Improvement Plan
	1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.)		1.1.2
	1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport.	1.1.3	Implementing and Analyzing Traffic Surveys
	1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework.	1.1.4	Knowledge of Traffic Demand Management (TDM)
		1.1.5	Formulating Public Transport Policies
	1.5. Study bus network system based on demand forecast.	1.1.6	Planning for Bus Route
		1.1.7	Planning for Bus Operating Plan
	1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system.	1.1.8	Formulation of Fare Policy
		1.1.9	Conducting Financial Analysis
	1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City.	1.1.10	Planning for Traffic Management
		1.1.11	Solving Issues related Parking Policy
		1.1.12	Conducting Evaluation of Parking Policy
(2) Measures to upgrade quality of the bus services are examined and pilot project is implemented.	2.1. Examine and identify the orientation for improvement of the quality of bus services.	2.1.1	Analyzing Users' Needs
		2.1.2	Planning for the Improvement of the Bus Service Level
		2.1.3	Conducting an Implementation Plan
	2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route.	2.2.1	Preparing a Bus Operation Plan
		2.2.2	Preparing a Timetable
		2.2.3	Conducting a Bus Operation Management Plan
	2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system.	2.3.1	Do you know the smartcard system introduced into Becamex Tokyu Bus?
		2.3.2	Planning of introducing Smartcard System

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Expected Output	Activities	Required Knowledge & Skills		
	2.4. Monitor attitude of bus drivers and conductors toward passengers.	2.3.3	Analyzing of Smartcard Data	
		2.3.4	Knowledge of Smartcard related Laws	
		2.4.1	Identifying the Current Issues of Bus Drivers' and Conductors' Service	
		2.4.2	Preparing a Manual/Guideline for Bus Drivers and Conductors	
	2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.	2.4.3	Evaluating the Scheme	
		2.5.1	Identifying the Current Issues of Traffic Safety on the Pilot Project Bus Route	
		2.5.2	Knowledge of Traffic Safety Countermeasures	
	(3) Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.	3.1. Study policies and measures of mobility management	2.5.3	Conducting a Traffic Safety Awareness Campaign
			3.1.1	Knowledge of Mobility Management
			3.1.2	Preparing Mobility Management Policies
3.2. Improve communication skills.		3.1.3	Communicating citizens to Encourage to Use Public Transport	
		3.2.1	Planning and Implementing Mobility Management	
		3.2.2	Building Stakeholders' Consensus	
3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises.		3.2.3	Analyzing and Evaluating Mobility Management Activities	
	3.3.1	Knowledge of Park & Ride		
3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users.	3.3.2	Implementing a Social Experiment		
	3.3.3	Analyzing and Evaluating a Social Experiment		

The first baseline survey was conducted in June 2015 to measure the current knowledge and skills level. The average scores are shown in the following table and each scores are in the following figures.

Table 11 Average Scores per Outputs

Survey	Output		
	1	2	3
Baseline Survey (June 2015)	3.15	2.77	2.22

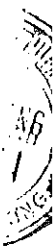


Figure 1 Required Knowledge and Skills for Output 1: Bus system improvement plan

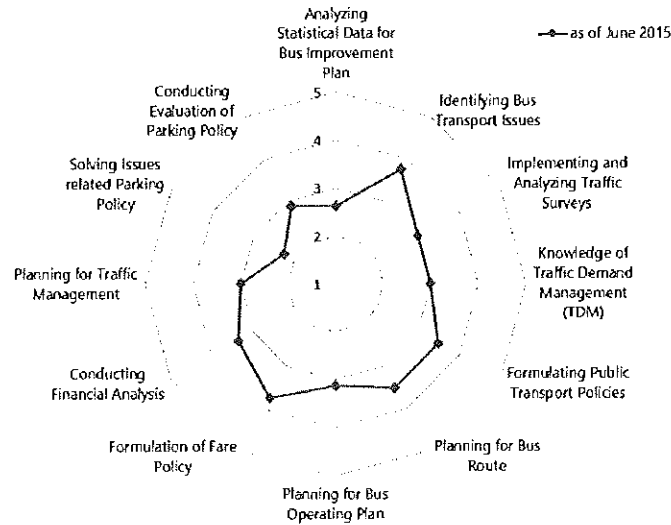


Figure 2 Required Knowledge and Skills for Output 2: Upgrade quality of the bus services

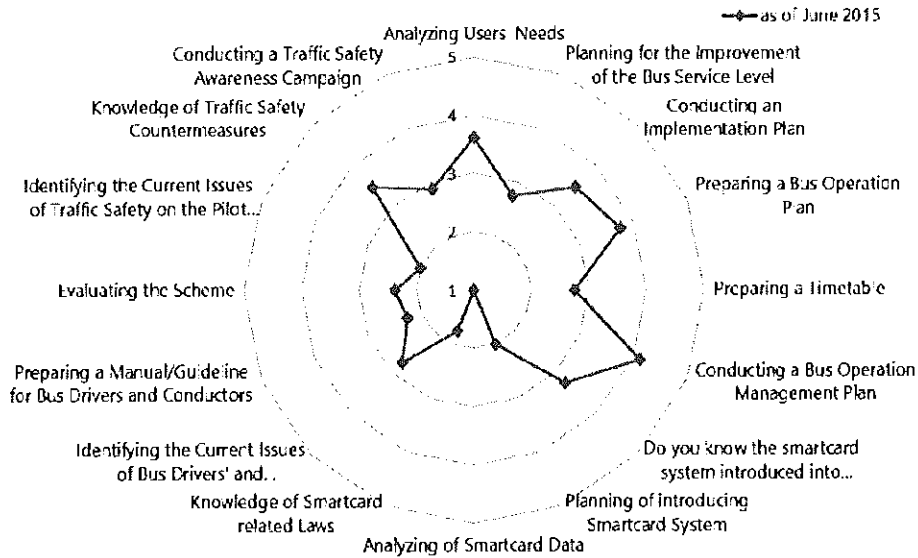
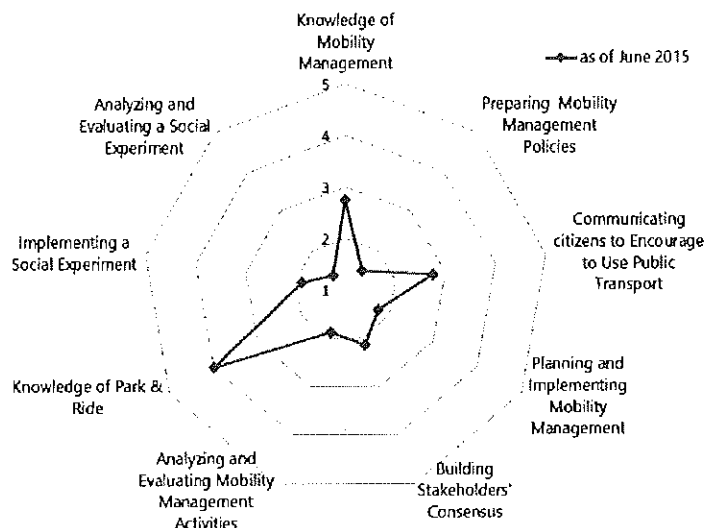


Figure 3 Required Knowledge and Skills for Output 3: Mobility management



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1.5 Changes of Risks and Actions for Mitigation

DOT and JICA project team implemented the mobility management activities during March and April, 2016. However, the number of bus user is not increase during this period. Therefore, DOT will continue to implement the mobility management activities in collaboration with related agencies. The approval and prompt response from people's committee of Binh Duong Province were requested at the timing of 3rd JCC mission.

1.6 Progress of Actions undertaken by JICA

On May 12, 2015, DOT and JICA agreed to amend the following items in the RD signed on May 15, 2014, namely (i) to add the expert's field, (ii) to change the report, and (iii) to change the report format for monitoring and evaluation.

1.7 Progress of Actions undertaken by The People's Committee of Binh Duong Province

The People's Committee of Binh Duong Province dispatched the counterpart members from DOT.

1.8 Progress of Environmental and Social Considerations (if applicable)

N/A

1.9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A

1.10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs etc.)

2 full time staffs from a member of the Project's counterpart organization to start various pilot activities, agreed on R/D. However, they are not assigned yet at this moment. It will be required the technical and institutional works as well as the prompt procedures to get the approval from PC on smart card pilot project and P&R pilot project, since September, 2016. DOT should take action to solve this matter with PC and JCC Members as soon as possible for effective pilot project implementation.

DOT will do the provincial budget allocation procedure for parking construction on Park and Ride pilot project which will implement as a part of mobility management activities in the Project in 2017, based on the implementation plan. In order to secure the budget, prompt procedure and close communication with Binh Duong PC will be indispensable.



2 Delay of Work Schedule and/or Problems (if any)

2.1 Detail

N/A

2.2 Cause

N/A

2.3 Action to be taken

N/A

2.4 Roles of Responsible Persons/Organization (JICA, The People's Committee of Binh Duong Province, etc.)

N/A

3 Modification of the Project Implementation Plan

3.1 PO

N/A

3.2 Other modifications on detailed implementation plan

N/A

4 Preparation of The People's Committee of Binh Duong Province toward after completion of the Project

N/A

II. Project Monitoring Sheet I & II *as Attached*



Annex2: Project Monitoring Sheet 1 (Revision of Project Design Matrix)

Version 3
Dated May 2016

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province

Implementing Agency: Department of Transport, Binh Duong Province

Target Group: Department of Transport, Binh Duong Province

Period of Project: March 2015 - February 2018

Project Site: The south of Binh Duong Province

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Ren
<p>Overall Goal Enhancement of public transport system is promoted.</p> <p>Project Purpose Institutional capacity of policy development and implementation on the public transport system development is strengthened.</p>	<p>Number of public transport passengers/ modal share of public transportation are increased.</p> <ul style="list-style-type: none"> - Counterpart(C/P) prepare/ implement followings in cooperation with JICA experts in good manner. - Bus system improvement plan - Several pilot projects/ mobility management activities - Bus system improvement plan is authorized. 	<p>- Statistics/ Survey</p> <ul style="list-style-type: none"> - Relevant documents - Survey on participation of C/P - Comparison of capacity of C/P based on baseline survey and others - A document for authorization 		<p>N/A</p> <ul style="list-style-type: none"> - The first baseline survey was conducted. - The target group of MM identified as Admin. Officer and University Student. - MM activities were implemented for above target. - Contents on Bus system 	N
<p>Outputs</p> <p>(1) Bus system improvement plan is prepared.</p> <p>(2) Measures to upgrade quality of the bus services are examined and pilot project is implemented.</p> <p>(3) Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.</p>	<p>1.1. Each activity for preparation of bus system improved plan is completed</p> <p>2.1. The orientation for improvement of the quality of bus services is identified.</p> <p>2.2. Measures to provide punctual bus operation are introduced and punctuality improves.</p> <p>2.3. Bus IC-card system is introduced and institutions to manage and operate the Bus IC-card system is established.</p> <p>2.4. Attitude of bus drivers and conductors toward passengers is monitored to be improved.</p> <p>2.5. Traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area are implemented.</p> <p>3.1. Policies and measures of mobility management are obtained and communication skills are developed.</p> <p>3.2. Mobility management activities to promote public transport with enterprises and local community are implemented.</p> <p>3.3. Mobility management activities to promote Park & Ride for bus users are imolemented.</p>	<p>- Bus system improvement plan</p> <p>- Report of pilot projects</p>		<ul style="list-style-type: none"> - Contents on Bus system improvement plan are examined. - Bus user opinion survey was conducted. - Public Meeting with local bus company was held (to be continued) - Expanded to 6 routes - Prepared the specification of bus IC-Card system on pilot project - MM activity plan was prepared. - Facilitator training, keynote lecture was implemented. - 2 times MM workshops for Admin. Officers and MM activities for University students were implemented. - Drafted the implementation plan for P&R pilot project. 	N

Activities	Inputs	Important Assumption
<p>1. Bus system improvement plan is prepared</p> <p>1.1. Collection of the necessary document and review.</p> <p>1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.)</p> <p>1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport.</p> <p>1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework.</p> <p>1.5. Study bus network system based on demand forecast.</p> <p>1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system.</p> <p>1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City.</p> <p>1.8. Prepare bus system improvement plan.</p> <p>1.9. Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated.</p> <p>2. Measures to upgrade quality of the bus services is examined and pilot project is implemented.</p> <p>2.1. Examine and identify the orientation for improvement of the quality of bus services.</p> <p>2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route.</p> <p>2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system.</p> <p>2.4. Monitor attitude of bus drivers and conductors toward passengers.</p> <p>2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.</p> <p>3. Mobility management activity plan to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.</p> <p>3.1. Study policies and measures of mobility management</p> <p>3.2. Improve communication skills.</p> <p>3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises.</p> <p>3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users.</p> <p>4. Organize seminars and workshops on public transport oriented society</p> <p>5. Conduct training in Japan and/ or the third countries.</p>	<p>The Japanese Side</p> <ul style="list-style-type: none"> - Japanese Experts - Chief Advisor/ Public Transport Policy - Deputy Chief Advisor/ Urban Transport Planning - Traffic Demand Analysis - Traffic Management/ TDM/ Traffic Safety - Bus Operation Planning - Bus-related Facility Planning - Mobility Management - Pilot Project Activities Support - Public Involvement/ Publicity Planning - Legal System for the Smartcard - Counterpart training in Japan and/or third world countries - Provision of equipment - IC-card system - Other equipment, if necessary - Support the implementation of the pilot projects (principle of cost share: provision of equipment, facilities, and materials, conduct of campaign and prooanda activities) - Seminars and workshops (principle of cost share: dispatch of short term expert, provision of materials) <p>The Vietnamese Side</p> <ul style="list-style-type: none"> - DOT (Transport management division, Planning and finance division, Management & operation center for public transport, Transport infrastructure division) - DOF - DPI - DOC - Becamex IDC - Implementation of the pilot project (principle of cost share: facilities, civil works including improvement of the bus stops, zebra zones and intersections, and development of parking places for P&R) - DOT, Binh Duong Province, exists - The Project's main counterpart organization, DOT, Binh Duong Province, exists permanently. - Pre-Conditions - The Project's main counterpart organization, DOT, Binh Duong Province, exists permanently. 	<p>- Vietnamese-related agencies' candidates for transfer of skills are supposed to continue working permanently.</p> <p>- The Project's main counterpart organization, DOT, Binh Duong Province, exists permanently.</p> <p>-> Issues and countermeasure</p>

* Underline denotes new item in PDM1.1.
* Strikethrough denotes removed item from PDM1.0 dated 15 May 2014.

Annex 4: Plan of Mobility Management Activities during June and August



1. Objectives of Mobility Management Activities

- ✧ Number of bus user is not increase by bus route expansion and MM activities on March and April, 2016. Therefore, further MM activities will be required to increase bus usage. DOT will implement the following activities with JICA project team.

2. Implementation schedule for Mobility Management activities

No.	Target group	MM activities	Scale	Period
1	Binh Duong government officials at Administrative Office Center	<ul style="list-style-type: none"> ▪ Introduce MM concepts and new Kaze shuttle routes in workshops to encourage the bus transport usage for commuting to workplace. ▪ Provide all related documents and materials such as: bus route map, timetable, mini handbook. ▪ Instruct participants to read the bus map, the time table and to build their daily travel plan. 	Organize about 03 more MM workshops with around 50-100 participants each time.	June-August 2016
2	University students and staffs at VGU and EIU campus, expanding to the other universities at Binh Duong if necessary.	<ul style="list-style-type: none"> ▪ Distribute all related documents and materials such as: bus route map, timetable to support students, staffs commuting to school. ▪ Post such materials to websites and facebook pages of universities. ▪ Introduce bus map application for smart phone. ▪ Give the neck strap for students in order to encourage them taking bus transport regularly. 	Organize the MM booths at campus to provide materials for around 400 students of VGU and EIU.	June 2016
3	Local residents living at Binh Duong New City	<ul style="list-style-type: none"> ▪ Distribute all related documents and materials such as: bus route map, timetable for each household to support them using the bus in daily activities. 	500-800 households at Hoa Loi social house and town house areas.	July 2016

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Annex 5: Summary of Park & Ride Pilot Project



1. Outline of Park & Ride

- ✧ Park & Ride is a measure to promote modal shift from private to public transport by improving accessibility to public transport stations.
- ✧ Passengers access to the Park & Ride parking by their private vehicle, they park their private vehicle and transfer to a public transport in the Park & Ride facility, and then they access to the central area by the public transport.

2. Objective of the Pilot Project

- ✧ Objective of the Park & Ride pilot project is to promote bus usage by improving accessibility to the bus stop.
- ✧ The Park & Ride pilot project has been planned as one of the mobility management activity to improve the bus usage.

3. Location of the Sites

- ✧ The candidate sites for the Park & Ride pilot project are 1) Becamex Tower, 2) Binh Duong Library and 3) Le Thi Trung – Phu Loi.

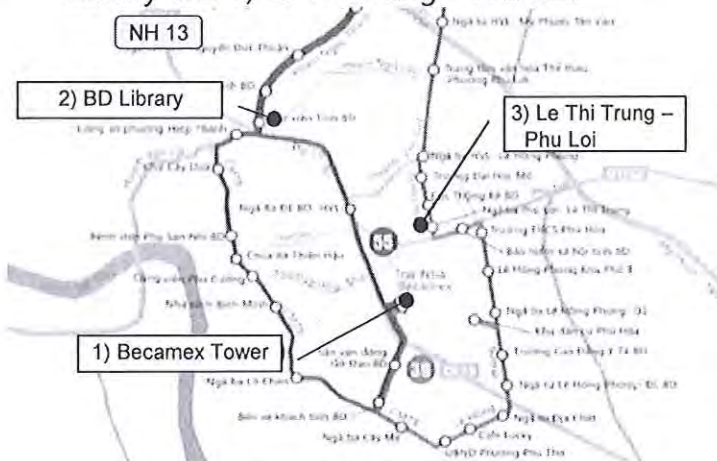


Figure 1 Location Map for the Sites

Table 1 Land Owner and Existing Land Use

Site	1 Becamex Tower	2 Binh Duong Library	3 Le Thi Trung – Phu Loi
Land owner	Becamex IDC	PC	Becamex IDC
Existing land use	Parking	Vacant space	Office yard

4. Estimated Pilot Project Cost

- ✧ The roughly estimated pilot project cost is 3270 million VND excluding smartcard system introduction cost which will be taken by JICA side.

Table 2 Roughly Estimated Pilot Project Cost

Site	1. Becamex Tower	2. Binh Duong Library	3. Le Thi Trung – Phu Loi	Total
Construction Cost	660 M VND	1950 M VND	310 M VND	2920 M VND
Operation Cost (6 months)	30 M VND	170 M VND	150 M VND	350 M VND
Total	690 M VND	2120 M VND	460 M VND	3270 M VND

5. Schedule of the Pilot Project

- ✧ The construction of the Park & Ride facility has been scheduled from March to May 2017 and the operation of the Park & Ride facility has been scheduled from June to November 2017.

**MINUTES OF MEETINGS
BETWEEN
THE PEOPLE'S COMMITTEE OF BINH DUONG PROVINCE OF VIETNAM
AND
JAPAN INTERNATIONAL COOPERATION AGENCY
FOR THE CONFIRMATION OF PROGRESS
ON
THE PROJECT FOR ENHANCING MANAGEMENT CAPACITY OF
TRANSPORT SYSTEM FOCUSED ON PUBLIC TRANSPORT
IN BINH DUONG PROVINCE**

The Department of Transport under the People's Committee of Binh Duong Province of Vietnam (hereinafter referred to as "DOT") and a mission dispatched from Japan International Cooperation Agency (hereinafter referred to as "the JICA mission") hereby confirm the progress of *The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province* (hereinafter referred to as "the Project") with the submission of the Monitoring Sheet on 8 December 2016 as attached (*Annexes 1-3*) and agreement on the following items to ensure smooth project implementation:

1. As discussed in the 4th Joint Coordinating Committee (JCC) meeting, the JICA mission understood the difficulty of assigning full-time counterpart officials to the Project and appreciated the DOT's effort to assign counterparts, though part-time, to work regularly with the JICA Project Team. At the same time, the JICA mission proposed People's Committee (PC) of Binh Duong Province to assign two (2) permanent officials working for the Project as agreed in the Minutes of Discussion dated May 15, 2014, so as to ensure a smooth technical transfer in the project, and the DOT agreed to continue to coordinate with PC of Binh Duong Province.

2. The DOT and the JICA Project Team implemented a series of mobility management activities. However, the number of passengers on the routes between Thu Dao Mot (TDM) and New City did not reach the target, which is 20% of the officials working in the administration center. Instead, according to the interview survey currently about 15.6% used buses during the period where the five-time mobility management activities were implemented. Thus, the DOT and the JICA Project Team decided to review the activities conducted and to recommend an alternative approach by the end of January, 2017 for the approval of PC of Binh Duong Province. In connection with the new mobility management activities, the JICA Project Team again proposed to relocate the Administrative Center bus stop nearer to the Center building and within its grounds to be more convenient to the officials working in the Center. Even though the relocation was not approved by PC of Binh Duong Province earlier due to the security issue, based on the result of the interview survey to the officials, it turned out that they preferred the relocation. The DOT acknowledged the matter and agreed to take up this proposal again for PC's approval.

3. The DOT and the JICA Project Team confirmed three sites for the park-and-ride pilot project, namely in front of Becamex Tower, within the People's Committee Library grounds, and at the intersection of Phu Loi-Le Thi Trung streets. In this regard, the JICA mission asked and PC of Binh Duong Province agreed to instruct relevant agencies to become more involved in the pilot project and to ensure the early operation of the park-and-ride facilities. Due to the limited time remaining before the Project ends and to increase ridership, the JICA mission and the JICA Project Team advised PC of Binh Duong Province to start the pilot project at the site in front of Becamex Tower, where the

public usually complete administrative procedures, according to the schedule shown in **Annex 4** and the DOT agreed to get started with the proposed site in front of Becamex Tower.

4. The JICA mission also emphasized the importance of providing subsidies for higher-quality public bus services to promote a modal shift from private to public transport, and the DOT recognized this. The JICA mission proposed to PC of Binh Duong Province and to relevant agencies to give subsidies to bus operators, while recognizing the importance of ensuring their operational efficiency, and to create favorable conditions for them to access soft loans so as to improve the level of bus services they provide. In turn, PC of Binh Duong Province requested the DOT and the JICA Project Team to present detailed policies for the subsidy and the soft loan in the 5th JCC meeting to be scheduled in June, 2017. The DOT agreed to this and explained that subsidy and soft loan will be the very necessary supports for the bus transport service improvement and network expansion in the province as mentioned below.

5. The DOT also asked the JICA mission and the JICA Project Team for support in formulating a roadmap and detailed action program to improve the public bus system and expand the bus network in the province, including the provision of high-quality bus services not only between TDM and New City but also on other bus routes in the province, the details of which should be discussed in the 5th JCC meeting to be scheduled in June, 2017. To implement the proposed action program, the DOT expressed its intension to discuss the extension of the Project during the 5th JCC meeting. The JICA mission replied that consideration regarding possible extension would depend on performance of the ongoing Project and commitment of the PC to implement such an action plan including a new subsidy policy.

6. In view of the above-mentioned five points, relevant organizations, such as the departments of construction, planning and investment, and finance, as well as the representatives of the Binh Duong PC and Becamex IDC, etc. agreed to continue to work together with the DOT and the JICA Project Team.

Annex 1: Monitoring Sheet Summary

Annex 2: Monitoring Sheet I (Project Design Matrix)

Annex 3: Monitoring Sheet II (Project of Operation)

Annex 4: Implementation Schedule of the Park-and-Ride Pilot Project

8 December 2016
Binh Duong, Vietnam



Ms. Satoko Tanaka
Director
Infrastructure and Peacebuilding Dept.
Japan International Cooperation Agency



Mr. Tran Ba Luan
Director
Department of Transport
Binh Duong Province, Vietnam

Annex1:

PROJECT MONITORING SHEET

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province

Version of the Sheet: Ver. 4 (Term: March 2015 - February 2018)

Name: Mr. Michimasa TAKAGI / Mr. Yosui SEKI

Title: Chief Advisor/ Public Transport Policy /Vice Chief Advisor/ Urban Transport Planning

Submission Date: December 2016

I. Summary

1 Progress

This monitoring sheet covers the period from project commencement in *May 2015* up to *the end of November 2016*.

1.1 Progress of Inputs

1.1.1 Experts

At project start, eleven (11) experts were dispatched to Binh Duong Province and conducted project activities. By the end of November, the JICA Project Team (JPT) already spent 30.00 person-months (PMs), accounting for 60 % of the planned number of person-months at the end of second year contract year between JICA and the Japanese consultants.

Table 1: Input of Experts as of End-November 2016

Designation	Name	No. of PMs
Chief Advisor/ Public Transport Policy	M. TAKAGI	5.57
Vice Chief Advisor/ Urban Transport Planning	Y. SEKI	6.83
Traffic Demand Analysis	T. ODA	1.00

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Traffic Management/ TDM/ Traffic Safety	K. NISHINO	2.37
Bus Operation Planning	K. TAKATA	0.80
Bus Operation Planning 2	M. SHIINO	0.50
Bus Operation Management	M. TAKATA	5.33
Bus-related Facility Planning	S. IMADA	0.50
Mobility Management	T. FUKUDA	3.00
Public Involvement/ Publicity Planning	M. KOJIMA	1.97
Pilot Project Implementation	H. EGUCHI	1.07
Legal System for IC card	K. HONDA	1.07
TOTAL PMs		30.00 (60%)
Planned PMs		49.80

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1.2 Progress of Activities

1.2.1 Joint Coordinating Committee and Working Group Meetings

Four Joint Coordinating Committee (JCC) meetings and several working group (WG) meetings were held during the period.

Table 2: Joint Coordinating Committee and Working Group Meetings

Meetings Conducted	Participated Agency	Key Agenda	Date
First JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Work plan Presentation about Public Transport Situation and Issues in Binh Duong Revision of M/D	12th, May 2015
WG for Activity 1	DOT, MOCPT, JICA Project Team	Discussion about the WP of the Output 1	20th May 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Concept of MM Proposed activities & plan	17th June 2015
WG for Activity 1	DOT, MOCPT, JICA Project Team	Explain about the traffic survey & interview survey plan & contents by the contractor	17th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the WP of the Output 2 Sharing information about the public transport in Binh Duong Province	19th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the WP of the Output 2 Discussion about the public transport condition and management in Binh Duong Province	25th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the public transport condition and management in Binh Duong Province (continuously discussion and confirmation)	3rd July 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Discussion about travel feedback program (TFP) and Facilitator Skill Handbook	17th July 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Progress of traffic survey (traffic count & interview survey) Preliminary results of administrative staff survey Outline & concept of Smart Card Pilot Project Supporting policies for the PT development	7th August 2015
General meeting with DOT Director	DOT, JICA Project Team	Reporting about the project progress - Confirmation about the training in Japan	12 August 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Preliminary Result of Travel Behavior Survey for Administrative Officer in Binh Duong New City Preliminary Result of Commuter Survey for Company in Industrial Park Discussion on Scope of Work of Parking Survey Discussion on Counter Part Fund	12 August 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Confirmation about the contents of supporting policies for promotion of PT	25 August 2015
General meeting with Dr. Taniguchi	Dr. Taniguchi, DOT, DOF, DPI, MOPT, DOC, MOCPT, Becamex IDC, JICA HQ, JICA Project Team, Tokyu Cor.	Discussion on Current Public Transportation in Binh Duong Discussion on Contents of Training in Japan	27 August 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Discussion on MM Activities	30 September 2015

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PM Form 3-1 Monitoring Sheet Summary

Meetings Conducted	Participated Agency	Key Agenda	Date
General meeting with DOT Director	DOT, JICA Project Team	Discussion on Activity Plan of MM Confirmation about the contents on Joint Seminar	2 October 2015
WG for Activity 3	DOT, JICA Project Team	Small Workshop related Daily Travel Behavior targeting Administrative Officers	22 October 2015
General meeting with DOT Director	DOT, MOCPT, JICA Project Team	Confirmation about the contents on 2nd JCC Confirmation about the procedures for Joint Seminar	Nov. 18 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Discussion on Bus Priority Measures and TDM Measures Analyzing the Change in Mode Share based on the Travel Behavior Survey for Administrative Officer Introduction of Smartcard System	Nov. 18 2015
General meeting with DOT Director	DOT, JICA Project Team	Confirmation about Joint Seminar Materials	Nov. 25 2015
Joint Seminar	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Bus Companies, persons from Universities and others	Measures for Public Transport Development in Medium Cities in Vietnam + Public Transport Policy Measures and TDM + Public Transport Policy in Vietnam + Others	1 Dec 2015
WG for Activity 1&3	DOT, MOCPT, JICA Project Team	Discussion on TDM measures (Staggered Working and P&R) Confirmation about the target/goal on MM Activity Discussion on Future Traffic Demand	3 Dec. 2015
Meeting with DOT Director	DOT, JICA Project Team	Discussion on Draft Minute of Meeting on 2nd JCC	4 Dec. 2015
2nd JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Progress Report	7 Dec. 2015
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on MM Pilot Activity on New Kaze Shuttle Route Use	8 Dec. 2015
Meeting with DOT Director	DOT and JICA Project Team	Confirmation about the Contents on MM Pilot Activity	15 Jan. 2016
Survey at VGU	VGU Students and JICA Project Team	MM Questionnaire Survey targeting VGU Students	18 & 19 Jan. 2016
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on MM Activity and PR Contents Investigation on P&R Sites	21 Jan. 2016
Meeting with MOCPT in HCMC	MOCPT in HCMC and JICA Project Team	Discussion on Smart Phone Application for Information Provision	22 Jan. 2016
Meeting with VGU Students	VGU Students and JICA Project Team	Confirmation about MM Activity Implementation Plan	2 Mar. 2016
WG for Activity 2&3	DOT, MOCPT and JICA Project Team	Site Visit to New Bus Terminal (hikari Bus Terminal) Confirmation about MM Activity Implementation Plan	4 Mar. 2016
Opening Ceremony of New Bus Routes	DOT, MOCPT and JICA Project Team	Attend to Opening Ceremony of New Bus Routes	8 Mar. 2016
Meeting with DOT Director	DOT and JICA Project Team	Confirmation about MM Activity Implementation Plan	8 Mar. 2016
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on Contents on MM Workshop	11 Mar. 2016

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PM Form 3-1 Monitoring Sheet Summary

Meetings Conducted	Participated Agency	Key Agenda	Date
Facilitator Training on MM Workshop	VGU Students and JICA Project Team	Orientation and Facilitator Training to Organize MM Workshop	11 Mar. 2016
Meeting with DOT Director	DOT and JICA Project Team	Progress Report and Discussion	16 Mar. 2016
Preparatory Meeting on MM Workshop	VGU Students and JICA Project Team	Making Materials Confirmation of Workshop procedure	16 Mar. 2016
WG for Activity 1	DOT, MOCPT and JICA Project Team	Discussion on TDM measures	18 Mar. 2016
Lecture on MM by Dr. Taniguchi	DOT, MOCPT, VGU Students, Bus companies and JICA Project Team	Keynote Lecture on MM + Motorization and Issues + Social Dilemma on Transport Sector + Definition of Mobility Management + Mobility Management Activity in Japan + Applicability to Vietnam	21 Mar. 2016
1st MM Workshop	DOT, MOCPT, Bus Companies, Officer related Transport Sector and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	22 Mar. 2016
Meeting with DOT Director	DOT, JICA Project Team	Confirmation of Progress MM Workshop Result Required Procedure on Training in Japan & MM Workshop	25 Mar. 2016
Site Observation	Becamex and JICA Project Team	Site Observation on P&R Pilot Project Candidate Site	28 Mar. 2016
Meeting with DOT Director	DOT, JICA Project Team	Confirmation of Progress Required Procedure on MM Workshop	14 Apr. 2016
WG for Activity 2	DOT, MOCPT, JICA Project Team	Schedule & Overall Structure on Smartcard Pilot Project	14 Apr. 2016
Meeting with VGU	VGU and JICA Project Team	Smart Phone Application for Bus Users	20 Apr. 2016
WG for Activity 3	DOT, MOCPT, JICA Project Team	Candidate Sites for Park & Ride Facility Conceptual Design for Park & Ride Facility Estimation of Minimum Requirement of Parking Lot for Park & Ride Facility	22 Apr. 2016
2nd MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	27 Apr. 2016
Public Meeting with Local Bus Company	DOT, MOCPT, Local Bus Companies and JICA Project Team	Existing issue related to the bus operation in Binh Duong Province Information provision for bus usage promotion	29 Apr. 2016
Park & Ride Development	Becamex IDC & BTB and JICA Project Team	Candidate Sites for Park & Ride Facility Conceptual Design for Park & Ride Facility	5 May 2016
Park & Ride Development	DOT, DOH and JICA Project Team	Discussion about the land availability for P&R development inside the provincial hospital	13 May 2016
Meeting with DOT Director	DOT, JICA Project Team	Discussion about P&R development and preparation procedures. Preparation for 3 rd JCC meeting	19 May 2016
Meeting with Binh Duong PC	PC, DOT, other relevant agencies and JPT	Informing about the project progress and support from PC for the project implementation and PT	24 May 2016
3rd JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA	Discussion about Progress Report Work to be implemented in the next period	25 May 2016

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PM Form 3-1 Monitoring Sheet Summary

Meetings Conducted	Participated Agency	Key Agenda	Date
	Project Team, Tokyu Cor.		
Meeting with DOT Director	DOT, JICA Project Team	Bus System Improvement Plan and Fare Policy P&R development Permission about survey for travel behavior of residents	1 June 2016
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Bus System Improvement Plan and Fare Policy P&R development	1 June 2016
	DOT, DOC, JICA Project Team	Basic Principles of Bus Network Design in Binh Duong	17 June 2016
3rd MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	22 June 2016
Meeting with the delegation to Japan for 2 nd training	DOT, PC and JICA Project Team	Introduction about the training schedule and contents	1 July 2016
WG for Activity 1&2&3	DO, Becamex, BTB and JICA Project Team	Confirm about responsibility of stakeholders for implementation P&R facilities . Plan of Mobility Management Activities during June and August Discussion about Smartcard Pilot Program	1 July 2016
4th MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	18 July 2016
WG for Activity 3	DOT and JICA Project Team	Report for Implementation of MM Activities at Residential Areas & Free Bus Day	24 August 2016
5th MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	24 August 2016
Meeting with DOT Director	DOT, JICA Project Team	Report for Implementation of MM Activities at Residential Areas & Free Bus Day	6 September 2016
MM activities at EIU	EIU & JICA Project Team	Discussion about MM activity at the university and implementation schedule	16 September 2016
Meeting with DOT Director	DOT and JICA Project Team	Discussion about further activities to be implemented in the coming time	5 October 2016
Meeting with DOT Director	DOT and JICA Project Team	Discussion about JCC meeting	21 October 2016
Meeting with Binh Duong PC	PC, DOT, other relevant agencies and JPT	Report on the project progress Subsidy and other policies for public transport promotion	7 November 2016
Meeting with Local Bus Companies	DOT, MOCPT, Local Bus Companies and JICA Project Team	Existing issue related to the bus operation in Binh Duong Province Introduction of the pilot route to other bus routes Establishment of a new WG	8 November 2016
WG for Activity 2	MOCPT and JICA Project Team	Subsidy situation in Binh Duong prior to 2013.	28 November 2016

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1.2.2 Output 1: Bus system improvement plan is prepared

The progress of Output 1 activities is shown in the table below.

Table 3: Progress of Output 1 Activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
<p>1.1. Collection of the necessary document and review. (Work Item 5)</p>	<p>- Collect the input data for the travel demand forecast as follows:</p> <ul style="list-style-type: none"> ✓ Socio-economic data: Statistical reports and the data needed for the traffic demand forecast (GDP, population, vehicle ownership, etc.) ✓ Existing plans and studies in transport sector: Related information and data with regards to the "Transport Master Plan toward 2020" ✓ Road network and public transport system (latest information) : The current status of road construction in Binh Duong Province along with the condition of the bus operations ✓ Related law, regulation and policy in urban transport sector: Laws/decrees related to the transport sector ✓ Financial Resource / Budget Plan: Regarding the financial resource/budget for constructing transport infrastructure and subsidies for the business of transport operations ✓ Current Situation of Collecting, Holding and Use of Traffic Data: Data held by MOCPT (bus related data) and the DOT (transport infrastructure data) ✓ Data Related to Poverty, Gender and etc.: Data regarding gender, population by age, disabled population, income data and etc. 	<p>- Done</p>	<p>- No activity (N/A)</p>

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Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
<p>1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.) (Work Item 9)</p>	<ul style="list-style-type: none"> - Review and analyze the existing traffic data - Carry out following traffic surveys and analyze the results: <ul style="list-style-type: none"> ✓ the traffic count survey ✓ the bus passenger interview survey ✓ the parking survey - Develop the travel demand forecasting model - Carry out following travel behavior surveys and analyze the results: <ul style="list-style-type: none"> ✓ the residential area survey targeting the officials in the Administration Office ✓ the commuting pattern survey targeting the officials in the Administration office. ✓ the commuting pattern survey targeting Japanese companies in the industrial parks. ✓ the interview survey in VSIP-II to grasp workers' actual commuting pattern. 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	<p>- No activity (N/A)</p>
<p>1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport. (Work Item 10)</p>	<ul style="list-style-type: none"> - Review the current transportation master plan in the Binh Duong Province. 	<ul style="list-style-type: none"> - Done 	<p>- No activity (N/A)</p>
<p>1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework.</p>	<ul style="list-style-type: none"> - Examine public transport priority policies and TDM polices. - Carry out the WG to show the CPT the traffic demand analysis and discuss the TDM, especially the bus priority policy. - Implement the workshop / seminar and PR activity with 	<ul style="list-style-type: none"> - Done - Done - Done 	<p>- No activity (N/A)</p>

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Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
(Work Item 11)	citizens on urban transport issues. (Joint Seminar, Dec.1 2015) - Implement the keynote lecture on MM by Dr. Taniguchi. on Mar. 22, 2016) - Carry out the public meeting with bus company on Apr. 29, 2016	- Done - Done	
1.5. Study bus network system based on demand forecast. (Work Item 12)	- Estimate the Future Traffic Demand - Implement the Corridor Demand Analysis - Identify the issues on Current Bus Network Planning - Implement planning / Analysis of New Bus Network - Examine reorganization of the bus routes in the urban area taking into consideration connection to the HCM UMRT-1 - Formulate pilot activities to upgrade bus transport service initiated by local bus operators - Prepare and propose bus transport improvement plan to the provincial government	- Done - Done - Done - Done - On-going - On-going - On-going	- Continue the on-going activities
1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system. (Work Item 13)	- Conduct the public meetings with bus companies to collect the Required Information of Current Bus Operation - Examine Bus Operation Plan - Examine Fare Policy	- Done - On-going - On-going	- Continue the on-going activities
1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City. (Work Item 14)	- Implement Park & Ride User Interview to estimate the Importance for P&R development	- Done	- Analyze the Current Parking Situation and Review the Parking Policy (March-April 2017) - Examine / Asses

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Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
			Parking Policies(May-June 2017)
1.8. Prepare bus system improvement plan. (Work Item 15)	<ul style="list-style-type: none"> - Formulate the Bus System Improvement Plan based on the activity 1.2 to 1.7 (July-Nov 2017) - Examine reorganization of the bus routes in the urban area taking into consideration connection to the HCM UMRT-1 	- On-going	
1.9. Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated. (Work Item 6,7 and 8)	<ul style="list-style-type: none"> - Design the questionnaire on baseline survey - Conduct the first baseline survey targeting the CPT. - Prepare a training plan - Set verifiable indicators and goals - Plan and carry out the 1st training program in Japan (14-19 September, 2015) - Plan and carry out the 2nd training program in Japan (20-29 July, 2016) 	<ul style="list-style-type: none"> - Done - Done - Done - Done - Done - Done 	- No activity (N/A)

1.2.3 Output 2: Measures to upgrade quality of the bus services are examined and pilot project is implemented.

The progress of Output 2 activities is shown in the table below.

Table 4: Progress of Output 2 Activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
2.1. Examine and identify the orientation for improvement of the quality of bus services. (Work Item 16)	<ul style="list-style-type: none"> - Grasp the current situation and examine a policy to improve bus service level 	- Done	- Examined and discussion with local bus company for improvement of the

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Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	<ul style="list-style-type: none"> - Carry out the site inspection at the bus terminal in Ben Cat - Examine the condition to introduce a IC-Card system - Carry out the public meetings with local bus companies 	<ul style="list-style-type: none"> - Done - Done - On going 	<p>quality of bus services (to be continued)</p>
<p>2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route. (Work Item 17)</p>	<ul style="list-style-type: none"> - Examine a new bus route plan and an operation plan (for the pilot corridor) based on the result of travel behavior surveys - Analyze the result of the bus passenger survey - Prepare the bus timetable and establish the operations management mechanism - Implement and assess the pilot project bus route 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	<ul style="list-style-type: none"> - Support the expansion of other bus routes (to be continued)
<p>2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system. (Work Item 18)</p>	<ul style="list-style-type: none"> - Review the technical standards in Vietnam with regards to IC cards - Examine the requirements, necessary equipment and specification of the IC card system - Review the laws in Vietnam with regards to IC cards - Examine the requirements, necessary equipment and specification of the IC 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	<ul style="list-style-type: none"> - Procurement of the equipment, system development and its testing and verification (to be continued) - Implement and assess the pilot project

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Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	card system - Examine interoperability of the IC cards with other transport modes and other fields	- Done	
2.4. Monitor attitude of bus drivers and conductors toward passengers. (Work Item 19)	- Introduce a monitoring scheme to check bus operators and bus crews' customer service attitude (May-Dec 2016)	- Done	- Support the expansion of other bus companies (to be continued)
2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area. (Work Item 20)	- Carry out the public meetings with bus companies to exchange the opinions	- On going	- Implement safety measures for the pilot project bus route (Jan-Nov 2017)

1.2.4 Output 3: Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.

The progress of Output 3 activities is shown in the table below.

Table 5: Progress of Output 3 Activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
3.1. Study policies and measures of mobility management (Work Item 21)	- Examine the current travel pattern to identify target groups for MM and activities for MM - Prepare a manual for MM - Conduct and Analyze the Questionnaire Survey to identify the Characteristics of Travel Behaviors	- Done - Done - Done	- No activity (N/A)
3.2. Improve communication skills.	- Implement basic lectures on MM to the	- Done	- No activity (N/A)

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
(Work item 23)	CPT - Conduct technical training to organize the MM Workshop	- Done	
3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises. (Work Item 22 and 24)	<ul style="list-style-type: none"> - Create publication materials <ul style="list-style-type: none"> ✓ Draft of the bus route map ✓ Standee, Banner and wrapping bus to promote bus usage - Prepare the MM activity plan - Analyze the result of following surveys <ul style="list-style-type: none"> ✓ The commuting pattern survey targeting the officials in the Administration office. ✓ The commuting pattern survey targeting Japanese companies in the industrial parks. ✓ The interview survey in VSIP-II to grasp workers' actual commuting pattern. - Carry out the questionnaire survey targeting the workers in Becamex Tower and Tokyu Becamex Bus - Carry out the EASTS-JSCE Jointed Seminar in the Vietnam-German University - Implement MM Workshop targeting Government Officer (5 times) 	<ul style="list-style-type: none"> - Done - Done - Done - Done - Done - Done - Done 	<ul style="list-style-type: none"> - Create publication materials (up to June 2017) - Prepare the plan for implementing MM and coordinate with relevant firms and organizations (to be continued) - Implement and assess MM (to be continued)

PM Form 3-1 Monitoring Sheet Summary

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	<ul style="list-style-type: none"> - Implement MM Activity targeting University Student - Implement MM activities for local residents in Thu Dau Mot City 	<ul style="list-style-type: none"> - Done - Done 	
<p>3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users. (Work Item 25)</p>	<ul style="list-style-type: none"> - Make the conceptual Plan for the candidate side of P&R Pilot Project - Draft the Implementation Plan for P&R Pilot Project - Investigate the interoperability between the free pass on bus smartcard and Parking fare collection - Prepare the required procedure to implement P&R Pilot Project 	<ul style="list-style-type: none"> - Done - Done - On going - Done 	<ul style="list-style-type: none"> - Complete the preparation works and construct parking facility for P&R Pilot Project

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1.3 Achievement of Output

1.3.1 Output1

Achievement status of Output 1 is as follows.

Table 6: Verifiable Indicators and Current Status

Objectively Verifiable Indicator	Baseline	Current Status
1.1. Each activity for preparation of bus system improved plan is completed	- No exist. (PT-MP, Decision No. 4291/QD-UBND, Dec. 24, 2014 only)	- Contents on Bus system improvement plan are examined.

Source: PDM 1.1

1.3.2 Output 2

Achievement status of Output 2 is as follows.

Table 7: Verifiable Indicators and Current Status (Under Consideration)

Objectively Verifiable Indicator	Baseline	Current Status
2.1. The orientation for improvement of the quality of bus services is identified.	- No exist. (PT-MP, Decision No. 4291/QD-UBND, Dec. 24, 2014 only)	- Bus user opinion survey was conducted. - Public Meeting with local bus company was held (to be continued)
2.2. Measures to provide punctual bus operation are introduced and punctuality improves.	- 1 route	- Expanded to 6 routes
2.3. Bus IC-card system is introduced and institutions to manage and operate the Bus IC-card system is established.	- No exist.	- Prepared the specification of bus IC-Card system on pilot project
2.4. Attitude of bus drivers and conductors toward passengers is monitored to be improved.	- No exist.	- Provided the training for the bus drivers of pilot bus routes
2.5. Traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area are implemented.	- No exist.	-

Source: PDM 1.1

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1.3.3 Output 3

Achievement status of Output 3 is as follows.

Table 8: Verifiable Indicators and Current Status (Under Consideration)

Objectively Verifiable Indicator	Baseline	Current Status
3.1. Policies and measures of mobility management are obtained and communication skills are developed.	<ul style="list-style-type: none"> - No policy and measures exist. - Score of the first baseline survey was 2.2 	<ul style="list-style-type: none"> - MM activity plan was prepared. - Facilitator training, keynote lecture was implemented.
3.2. Mobility management activities to promote public transport with enterprises and local community are implemented.	<ul style="list-style-type: none"> - No exist. 	<ul style="list-style-type: none"> - 5 times MM workshops for Admin. Officers, MM activities for University students and MM activity for residence in Binh Duong new city were implemented.
3.3. Mobility management activities to promote Park & Ride for bus users are implemented.	<ul style="list-style-type: none"> - No exist. 	<ul style="list-style-type: none"> - Drafted the implementation plan for P&R pilot project.

Source: PDM 1.1

1.4 Achievement of the Project Purpose

Also stated in PDM, the achievement of the project purpose shall be evaluated using verifiable indicators.

Table 9: Verifiable Indicators and Current Status

Objectively verifiable indicators	Baseline	Current Status
<ul style="list-style-type: none"> - Counterpart (C/P) prepare/ implement followings in cooperation with JICA experts in good manner. <ul style="list-style-type: none"> ✓ Bus system improvement plan ✓ Several pilot projects/ mobility management 	<ul style="list-style-type: none"> - The capacity scores for each output at the baseline survey are 3.15, 2.77 and 2.22. 	<ul style="list-style-type: none"> - The first baseline survey was conducted. - The target group of MM identified as Admin. Officer, University Student and residence in Binh Duong new city. - MM activities were implemented for above target.

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Objectively verifiable indicators	Baseline	Current Status
activities		
- Bus system improvement plan is authorized.	- No existed.	- Contents on Bus system improvement plan are preparing.

Source: PDM 1.1

To achieve the project purpose, the JPT identify the required knowledge and skills by each output shown in the following table. Result of the baseline survey were evaluated on a five-level scale as indicated below and illustrated in following figures.

- (1) Newbie: I don't know the process/ concept;
- (2) Novice: I know the process/ concept, but I have never done it;
- (3) Young Expert: I have done it once, but I have not reported or presented the results;
- (4) Expert: I have done it twice or more/ I have done it once and reported or presented the results; and
- (5) Senior Expert: I have done it twice or more, and reported or presented the results.

Table 10 Required Knowledge and Skills per Project Output and Activity

Expected Output	Activities	Required Knowledge & Skills	
(1) Bus system improvement plan is prepared.	1.1. Collection of the necessary document and review.	1.1.1	Analyzing Statistical Data for Bus Improvement Plan
	1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.)	1.1.2	Identifying Bus Transport Issues
	1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport.	1.1.3	Implementing and Analyzing Traffic Surveys
	1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework.	1.1.4	Knowledge of Traffic Demand Management (TDM)
		1.1.5	Formulating Public Transport Policies
	1.5. Study bus network system based on demand forecast.	1.1.6	Planning for Bus Route
		1.1.7	Planning for Bus Operating Plan
	1.6. Study the bus operation and bus fare policies	1.1.8	Formulation of Fare Policy

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Expected Output	Activities	Required Knowledge & Skills	
	including monthly ticketing and subsidy system.	1.1.9	Conducting Financial Analysis
	1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City.	1.1.10	Planning for Traffic Management
		1.1.11	Solving Issues related Parking Policy
		1.1.12	Conducting Evaluation of Parking Policy
(2) Measures to upgrade quality of the bus services are examined and pilot project is implemented.	2.1. Examine and identify the orientation for improvement of the quality of bus services.	2.1.1	Analyzing Users' Needs
		2.1.2	Planning for the Improvement of the Bus Service Level
		2.1.3	Conducting an Implementation Plan
	2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route.	2.2.1	Preparing a Bus Operation Plan
		2.2.2	Preparing a Timetable
		2.2.3	Conducting a Bus Operation Management Plan
	2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system.	2.3.1	Do you know the smartcard system introduced into Becamex Tokyu Bus?
		2.3.2	Planning of introducing Smartcard System
		2.3.3	Analyzing of Smartcard Data
		2.3.4	Knowledge of Smartcard related Laws
	2.4. Monitor attitude of bus drivers and conductors toward passengers.	2.4.1	Identifying the Current Issues of Bus Drivers' and Conductors' Service
		2.4.2	Preparing a Manual/Guideline for Bus Drivers and Conductors
		2.4.3	Evaluating the Scheme
2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.	2.5.1	Identifying the Current Issues of Traffic Safety on the Pilot Project Bus Route	
	2.5.2	Knowledge of Traffic Safety Countermeasures	
	2.5.3	Conducting a Traffic Safety Awareness Campaign	
(3) Mobility management activities to enhance the bus use is formulated and implemented	3.1. Study policies and measures of mobility management	3.1.1	Knowledge of Mobility Management
		3.1.2	Preparing Mobility Management Policies
		3.1.3	Communicating citizens to Encourage to Use Public Transport
	3.2. Improve communication skills.	3.2.1	Planning and Implementing

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Expected Output	Activities	Required Knowledge & Skills	
in cooperation with relevant organizations and communities.			Mobility Management
		3.2.2	Building Stakeholders' Consensus
		3.2.3	Analyzing and Evaluating Mobility Management Activities
	3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises.	3.3.1	Knowledge of Park & Ride
	3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users.	3.3.2	Implementing a Social Experiment
		3.3.3	Analyzing and Evaluating a Social Experiment

The first baseline survey was conducted in June 2015 to measure the current knowledge and skills level. The average scores are shown in the following table and each scores are in the following figures.

Table 11 Average Scores per Outputs

Survey	Output		
	1	2	3
Baseline Survey (June 2015)	3.15	2.77	2.22

Figure 1 Required Knowledge and Skills for Output 1: Bus system improvement plan

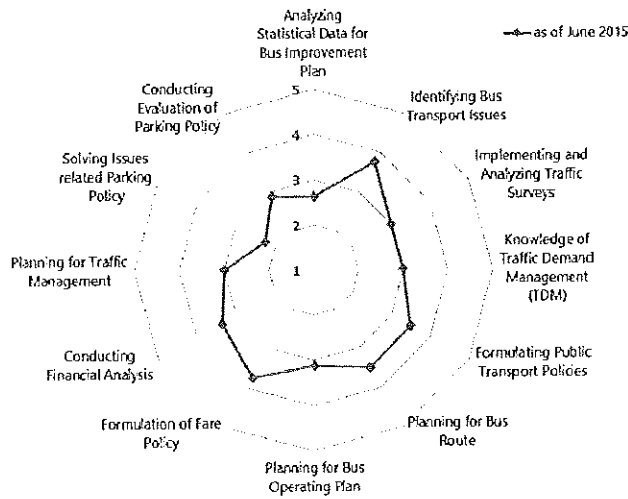


Figure 2 Required Knowledge and Skills for Output 2: Upgrade quality of the bus services

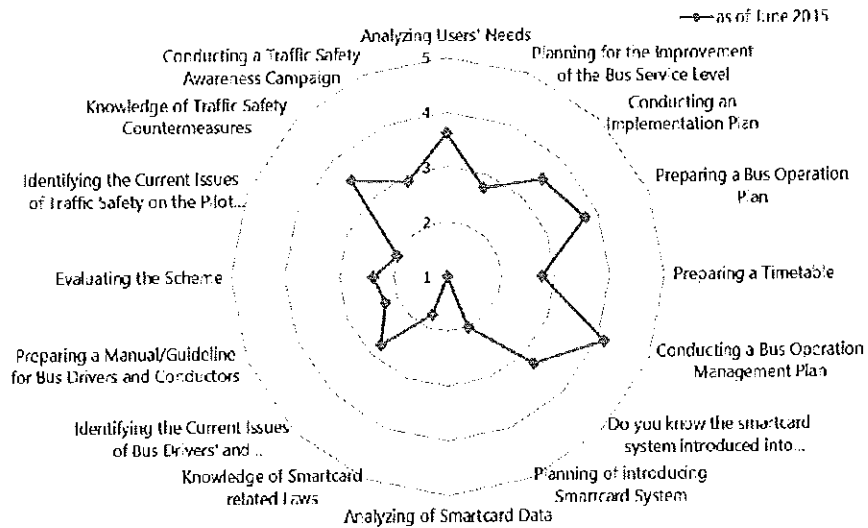
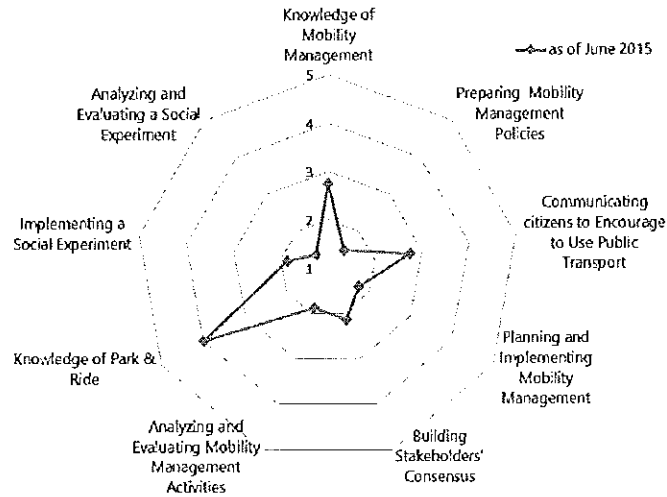


Figure 3 Required Knowledge and Skills for Output 3: Mobility management

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1.5 Changes of Risks and Actions for Mitigation

DOT and JICA project team implemented the mobility management activities during March and April, 2016. However, the number of bus user is not increase during this period. Therefore, DOT have implemented a series of mobility management activities in collaboration with related agencies, and confirm an increase of bus users. However, number of bus user is not sufficient enough as expected, thus DOT and JICA project team will continue the mobility management related to other pilot activities.

DOT and JICA project team have confirmed the sites (2 private lands and 1 public land) for the P&R Pilot Project, and DOT arranged the necessary procedure and coordination with relevant agencies to secure the 1 public land. However, it takes time to complete the procedure in accordance with the legal regulations. JICA proposed the People’s Committee of Binh Duong Province to instruct relevant agencies to be more involved and take necessary actions for early operation of the P&R facilities.

1.6 Progress of Actions undertaken by JICA

On May 12, 2015, DOT and JICA agreed to amend the following items in the RD signed on May 15, 2014, namely (i) to add the expert’s field, (ii) to change the report, and (iii) to change the report format for monitoring and evaluation.

1.7 Progress of Actions undertaken by The People’s Committee of Binh Duong Province

The People’s Committee of Binh Duong Province dispatched the counterpart members from DOT.

1.8 Progress of Environmental and Social Considerations (if applicable)

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N/A

1.9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A

1.10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs etc.)

2 full time staffs from a member of the Project's counterpart organization to start various pilot activities, agreed on R/D. However, they are not assigned yet at this moment. JICA understand difficulty on the full time counterpart as discussed in 3rd JCC meeting and appreciate effort of DOT to assign counterpart staff to work regularly with the JICA project team. However, JICA requested DOT to continue to make efforts on the assignment of appropriate number of counterpart staffs regularly to the respective activities, so as to ensure a smooth technical transfer in the project, and DOT agreed in 4th JCC meeting.

DOT and JICA project team have confirmed three sites for the Park-and-Ride pilot project, those are in front of Becamex Tower, in the People's Committee Library ground and at the intersection of Phu Loi – Le Thi Trung. JICA proposed the People's Committee of Binh Duong Province to instruct relevant agencies to be more involved and take necessary actions for early operation of the Park-and-Ride facilities. Due to the limited project period remained, JICA advised the provincial government to start from the location (in front of Becamex Tower) where administrative procedure is completed.

1.11 Tasks to be implemented by JICA Project Team and Counterparts

Work	Tasks	Implementing agencies
Output 1: Bus system improvement plan is prepared		
Baseline survey	1) Preparation of questionnaire survey to evaluate the capacity & knowledge of the counterpart members 2) Distribution & collection of the questionnaire survey	- JPT - DOT
Travel Behavior Survey for Administrative Officers	Distribution and collection of questionnaire survey to governmental officials in the admin building. Data collection & analysis Map preparation for living area of the governmental officials in Thu Dau Mot City	- DOT - JPT - JPT

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Demand Forecast	<p>1) Data collection & analysis and make the demand forecast.</p> <p>2) Based on the results of the demand forecast, analysis on the revenue and operation costs to estimate the profit/loss for the bus operation.</p> <p>3) Preparation of the conclusion on the subsidy policy for the bus operation based on the demand forecast</p>	<p>- JPT & Traffic Research Center of VGU</p> <p>- DOT</p> <p>- DOT</p>
Review and Revision of the public transport master plan in BD	Study about rerouting bus network operating in the South of Binh Duong Province in connecting with BRT and Metro Line 1.	- JPT & DOT
Output 2: Measures to update quality of the bus services are examined and pilot project is implemented.		
IC Card preparation	<p>1) Study and provision of the Relevant legal regulations and laws on smart card (no specific ones on smart card)</p> <p>2) Study to apply the smart card for Kaze system in combination with the existing one on bus.</p> <p>3) Acquisition of knowledge and technique in system structure and the method to install smart card</p>	<p>- DOT</p> <p>- JICA</p> <p>- DOT</p>
Park & Ride pilot project	<p>1) Travel behavior survey of admin people to evaluate the demand for park & ride</p> <p>2) Preparation of the basic idea and implementation schedule of P&R</p> <p>3) Legal procedures for land acquisition and implementation</p> <p>4) Preparation of the Basic design</p>	<p>- JPT & DOT</p> <p>- JPT (with different discussion and exchange idea between JPT, DOT and Becamex IDC)</p> <p>- DOT</p> <p>- Becamex IDC</p>
Output 3: Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.		

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Preparation for detailed work plan	Preparation for detailed activities and schedule to be implemented.	- DOT & JPT after different meeting for discussion
Personal Travel assistant (PTA)	Preparation of PTA to assist personal travel plan	- JPT with comments from DOT
Bus map	Preparation of Binh Duong Bus Map to introduce all the bus routes and landmarks in Binh Duong Province to assist travel by bus	- DOT & JPT
1st MM activities for University Students (VGU campus)	Providing PTA materials for VGU students	- JPT
5 MM workshops for Governmental officials	Organizing MM workshop at DoT office to introduce new Kaze bus routes, merits of bus commuting and instructing participants making travel plan	- JPT & DOT
MM activities for local residents (Hoa Loi social apartments, Dong Khoi trade town, Phu Chanh residential area)	Disseminating PTA materials and Free bus day information organized by BTB for Binh Duong residents	- JPT & DOT
The 1st MM activities for University Students (EIU campus)	Providing PTA materials for VGU and EIU new students	- JPT

2 Delay of Work Schedule and/or Problems (if any)

2.1 Detail

The following 2 activities are delayed from original work schedule;

Activity 1.6: Study the bus operation and bus fare policies including monthly ticketing and subsidy system

Activity 2.3: Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system

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2.2 Cause

Activity 1.6:

JICA emphasized importance of the subsidy for the higher public bus services, and DOT also recognized the importance of the subsidy. Further examination to formulate detail policies for the subsidy is required.

Activity 2.3:

Examination of security enhancing measures on IC-card system is required an additional.

2.3 Action to be taken

Activity 1.6:

People's Committee of Binh Duong Province and relevant agencies to have more attention on the subsidy for bus operators and also to create favorable conditions for them to access to the soft loan so as to improve the level of services on their bus operation. DOT and JICA project team formulate detail policies for the subsidy and soft loan by the next 5th JCC meeting.

Activity 2.3:

Required security enhancing measures on IC-card system is being developed by JICA project team.

2.4 Roles of Responsible Persons/Organization (JICA, The People's Committee of Binh Duong Province, etc.)

Refer to 2.3.

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3 Modification of the Project Implementation Plan

3.1 PO

N/A

3.2 Other modifications on detailed implementation plan

N/A

4 Preparation of The People's Committee of Binh Duong Province toward after completion of the Project

N/A

II. Project Monitoring Sheet I & II *as Attached*

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MINUTES OF MEETINGS
ON
THE 5th JOINT COORDINATING COMMITTEE (JCC)
BETWEEN
THE DEPARTMENT OF TRANSPORT OF BINH DUONG PROVINCE OF VIETNAM
AND
JAPAN INTERNATIONAL COOPERATION AGENCY
FOR THE CONFIRMATION OF PROGRESS
ON
THE PROJECT FOR ENHANCING MANAGEMENT CAPACITY OF
TRANSPORT SYSTEM FOCUSED ON PUBLIC TRANSPORT
IN BINH DUONG PROVINCE

The Department of Transport under the People's Committee of Binh Duong Province of Vietnam (hereinafter referred to as "the DOT") and a mission dispatched from Japan International Cooperation Agency (hereinafter referred to as "the JICA mission") hereby confirm the progress of *The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province* (hereinafter referred to as "the Project") with the submission of the Monitoring Sheet on 21 July 2017 as attached (**Annexes 1-3**). Other points discussed in JCC are as follows:

1. New Subsidy Policy: With regard to the public transport subsidies as discussed in the 4th JCC meeting, the DOT formulated new bus transport subsidy policies and submitted to the provincial peoples' committee for approval. At same time, the DOT in cooperation with the JICA Project team organized the workshop for the relevant agencies and bus operators to build a consensus on the new subsidy policies. The DOT agreed to take necessary actions to get the approval from the provincial peoples' committee for the implementation in the next year.

2. Park & Ride Pilot Project: The DOT and the JICA Project team confirmed three sites of the P&R pilot project, one is in front of Becamex Tower, and the others are in the premises of the People's Committee Library and at the corner of the intersection of Phu Loi-Le Thi Trung streets. In this regard, the JICA mission confirmed the smooth implementation of the pilot project in front of Becamex Tower, however the other two sites have not been started yet, thus the JICA mission requested the DOT to instruct relevant agencies to speed up the preparation on the other two sites. Due to the limited time remaining before the Project ends, DOT agreed to speed up the preparation so as to start the operation of the two sites by October, 2017.

3. Mobility Management Activities: With a series of MM activities, the ridership of the pilot bus routes has been increased, however, modal share of the public transport has not been reached to the target yet. Therefore, the DOT and the JICA Project team confirmed to continue the activities through the P&R pilot project and also focus on the elementary students and their families for further enhancing usage of the bus transport in their daily life. The schedule is shown in **Annex 4**. Concerning relocation of the Administrative Center bus stop, DOT submitted the proposal to the provincial people's committee and obtained the approval.

4. Activities for the Remaining Period: The JCC members confirmed that remaining activities to achieve the project purpose are as follows:

- a. To study bus network based on demand forecast, particularly in the south of the province

- b. To study the bus operation and bus fare polices including monthly ticketing and subsidy system
- c. To investigate the parking polices in the commercial areas and the Binh Duong New City
- d. To prepare bus service improvement plan
- e. To establish necessary institutions to manage and operate the IC-card system
- f. To monitor attitude of bus drivers and conductors toward passengers
- g. To implement the traffic safety measures along the pilot corridor between Thu Dau Mot City and Binh Duong New City
- h. To implement additional mobility management activities to promote Park & Ride bus users

5. Proposal from DOT: Project activities have been implemented based on the schedule agreed in the Work Plan. The increase of ridership on the pilot project bus route was confirmed. However, the number of bus users in Binh Duong province is decreasing in general. In this situation, DOT mentioned that upgrade the service quality of local bus operators and additional promotion of bus transport usage will be necessary. DOT requested additional input from JICA Project team to strengthen the capacity of DOT for the sustainability of project outcomes, for example, to conduct the pilot project together with local bus operator and formulate the adequate task force for MM implementation and so forth. JICA Mission mentioned that additional discussion is needed based on the detailed plan prepared by DOT and JICA Project team before the next JCC.

6. In view of the above-mentioned five (5) points, relevant organizations, such as the departments of construction, planning and investment, and finance, as well as the representatives of the Binh Duong PC and Becamex IDC, etc. agreed to continue to work together with the DOT and the JICA Project team.

Annex 1: Monitoring Sheet Summary

Annex 2: Monitoring Sheet I (Project Design Matrix)

Annex 3: Monitoring Sheet II (Project of Operation)

Annex 4: Implementation Schedule on Mobility Management Activities

21 July 2017
Binh Duong, Vietnam

増田 吉朗

Mr. Yoshiro Masuda
Deputy Director
Transportation and ICT Group
Infrastructure and Peacebuilding Dept.
Japan International Cooperation Agency

Mr. Tran Ba Luan
Director
Department of Transport
Binh Duong Province, Vietnam

Annex1:

PROJECT MONITORING SHEET

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province

Version of the Sheet: Ver. 5 (Term: March 2015 - February 2018)

Name: Mr. Michimasa TAKAGI / Mr. Yosui SEKI

Title: Chief Advisor/ Public Transport Policy /Vice Chief Advisor/ Urban Transport Planning

Submission Date: July 2017

I. Summary

1 Progress

This monitoring sheet covers the period from project commencement in **April 2015** up to **the end of June 2017**.

1.1 Progress of Inputs

1.1.1 Experts

At project start, the expert team inclusive of eleven (11) positions was dispatched to Binh Duong Province and conducted project activities. By the end of November, the JICA Project Team (JPT) already spent 38.94 person-months (PMs), accounting for 77.9 % of the planned number of person-months at the end of second year contract year between JICA and the Japanese consultants.

Table 1: Input of Experts as of End-June 2017

Designation	Name	No. of PMs
Chief Advisor/ Public Transport Policy	M. TAKAGI	6.83
Vice Chief Advisor/ Urban Transport Planning	Y. SEKI	8.07
Traffic Demand Analysis	T. ODA	1.00

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Traffic Management/ TDM/ Traffic Safety	K. NISHINO	4.50
Bus Operation Planning	K. TAKATA	0.80
Bus Operation Planning 2	M. SHIINO	1.63
Bus Operation Management	M. TAKATA	8.30
Bus-related Facility Planning	S. IMADA	0.50
Mobility Management	T. FUKUDA	3.00
Public Involvement/ Publicity Planning	M. KOJIMA	1.97
Public Involvement/ Publicity Planning 2	M. OHNO	1.50
Pilot Project Implementation	H. EGUCHI	1.27
Legal System for IC card	K. HONDA	1.07
	TOTAL PMs	38.94 (77.9%)
	Planned PMs	50.00

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1.2 Progress of Activities

1.2.1 Joint Coordinating Committee and Working Group Meetings

Four Joint Coordinating Committee (JCC) meetings and several working group (WG) meetings were held during the period.

Table 2: Joint Coordinating Committee and Working Group Meetings

Meetings Conducted	Participated Agency	Key Agenda	Date
First JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Work plan Presentation about Public Transport Situation and Issues in Binh Duong Revision of M/D	12th, May 2015
WG for Activity 1	DOT, MOCPT, JICA Project Team	Discussion about the WP of the Output 1	20th May 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Concept of MM Proposed activities & plan	17th June 2015
WG for Activity 1	DOT, MOCPT, JICA Project Team	Explain about the traffic survey & interview survey plan & contents by the contractor	17th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the WP of the Output 2 Sharing information about the public transport in Binh Duong Province	19th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the WP of the Output 2 Discussion about the public transport condition and management in Binh Duong Province	25th June 2015
WG for Activity 2	MOCPT, JICA Project Team	Discussion about the public transport condition and management in Binh Duong Province (continuously discussion and confirmation)	3rd July 2015
WG for Activity 3	DOT, MOCPT, JICA Project Team	Discussion about travel feedback program (TFP) and Facilitator Skill Handbook	17th July 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Progress of traffic survey (traffic count & interview survey) Preliminary results of administrative staff survey Outline & concept of Smart Card Pilot Project Supporting policies for the PT development	7th August 2015
General meeting with DOT Director	DOT, JICA Project Team	Reporting about the project progress - Confirmation about the training in Japan	12 August 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Preliminary Result of Travel Behavior Survey for Administrative Officer in Binh Duong New City Preliminary Result of Commuter Survey for Company in Industrial Park Discussion on Scope of Work of Parking Survey Discussion on Counter Part Fund	12 August 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Confirmation about the contents of supporting policies for promotion of PT	25 August 2015
General meeting with Dr. Taniguchi	Dr. Taniguchi, DOT, DOF, DPI, MOPT, DOC, MOCPT,	Discussion on Current Public Transportation in Binh Duong Discussion on Contents of Training in Japan	27 August 2015

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Meetings Conducted	Participated Agency	Key Agenda	Date
	Becamex IDC, JICA HQ, JICA Project Team, Tokyu Cor.		
WG for Activity 3	DOT, MOCPT, JICA Project Team	Discussion on MM Activities	30 September 2015
General meeting with DOT Director	DOT, JICA Project Team	Discussion on Activity Plan of MM Confirmation about the contents on Joint Seminar	2 October 2015
WG for Activity 3	DOT, JICA Project Team	Small Workshop related Daily Travel Behavior targeting Administrative Officers	22 October 2015
General meeting with DOT Director	DOT, MOCPT, JICA Project Team	Confirmation about the contents on 2nd JCC Confirmation about the procedures for Joint Seminar	Nov. 18 2015
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Discussion on Bus Priority Measures and TDM Measures Analyzing the Change in Mode Share based on the Travel Behavior Survey for Administrative Officer Introduction of Smartcard System	Nov. 18 2015
General meeting with DOT Director	DOT, JICA Project Team	Confirmation about Joint Seminar Materials	Nov. 25 2015
Joint Seminar	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Bus Companies, persons from Universities and others	Measures for Public Transport Development in Medium Cities in Vietnam + Public Transport Policy Measures and TDM + Public Transport Policy in Vietnam + Others	1 Dec 2015
WG for Activity 1&3	DOT, MOCPT, JICA Project Team	Discussion on TDM measures (Staggered Working and P&R) Confirmation about the target/goal on MM Activity Discussion on Future Traffic Demand	3 Dec. 2015
Meeting with DOT Director	DOT, JICA Project Team	Discussion on Draft Minute of Meeting on 2nd JCC	4 Dec. 2015
2nd JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Progress Report	7 Dec. 2015
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on MM Pilot Activity on New Kaze Shuttle Route Use	8 Dec. 2015
Meeting with DOT Director	DOT and JICA Project Team	Confirmation about the Contents on MM Pilot Activity	15 Jan. 2016
Survey at VGU	VGU Students and JICA Project Team	MM Questionnaire Survey targeting VGU Students	18 & 19 Jan. 2016
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on MM Activity and PR Contents Investigation on P&R Sites	21 Jan. 2016
Meeting with MOCPT in HCMC	MOCPT in HCMC and JICA Project Team	Discussion on Smart Phone Application for Information Provision	22 Jan. 2016
Meeting with VGU Students	VGU Students and JICA Project Team	Confirmation about MM Activity Implementation Plan	2 Mar. 2016
WG for Activity 2&3	DOT, MOCPT and JICA Project Team	Site Visit to New Bus Terminal (hikari Bus Terminal)	4 Mar. 2016

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Meetings Conducted	Participated Agency	Key Agenda	Date
		Confirmation about MM Activity Implementation Plan	
Opening Ceremony of New Bus Routes	DOT, MOCPT and JICA Project Team	Attend to Opening Ceremony of New Bus Routes	8 Mar. 2016
Meeting with DOT Director	DOT and JICA Project Team	Confirmation about MM Activity Implementation Plan	8 Mar. 2016
WG for Activity 3	DOT, MOCPT and JICA Project Team	Discussion on Contents on MM Workshop	11 Mar. 2016
Facilitator Training on MM Workshop	VGU Students and JICA Project Team	Orientation and Facilitator Training to Organize MM Workshop	11 Mar. 2016
Meeting with DOT Director	DOT and JICA Project Team	Progress Report and Discussion	16 Mar. 2016
Preparatory Meeting on MM Workshop	VGU Students and JICA Project Team	Making Materials Confirmation of Workshop procedure	16 Mar. 2016
WG for Activity 1	DOT, MOCPT and JICA Project Team	Discussion on TDM measures	18 Mar. 2016
Lecture on MM by Dr. Taniguchi	DOT, MOCPT, VGU Students, Bus companies and JICA Project Team	Keynote Lecture on MM + Motorization and Issues + Social Dilemma on Transport Sector + Definition of Mobility Management + Mobility Management Activity in Japan + Applicability to Vietnam	21 Mar. 2016
1st MM Workshop	DOT, MOCPT, Bus Companies, Officer related Transport Sector and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	22 Mar. 2016
Meeting with DOT Director	DOT, JICA Project Team	Confirmation of Progress MM Workshop Result Required Procedure on Training in Japan & MM Workshop	25 Mar. 2016
Site Observation	Becamex and JICA Project Team	Site Observation on P&R Pilot Project Candidate Site	28 Mar. 2016
Meeting with DOT Director	DOT, JICA Project Team	Confirmation of Progress Required Procedure on MM Workshop	14 Apr. 2016
WG for Activity 2	DOT, MOCPT, JICA Project Team	Schedule & Overall Structure on Smartcard Pilot Project	14 Apr. 2016
Meeting with VGU	VGU and JICA Project Team	Smart Phone Application for Bus Users	20 Apr. 2016
WG for Activity 3	DOT, MOCPT, JICA Project Team	Candidate Sites for Park & Ride Facility Conceptual Design for Park & Ride Facility Estimation of Minimum Requirement of Parking Lot for Park & Ride Facility	22 Apr. 2016
2nd MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	27 Apr. 2016
Public Meeting with Local Bus Company	DOT, MOCPT, Local Bus Companies and JICA Project Team	Existing issue related to the bus operation in Binh Duong Province Information provision for bus usage promotion	29 Apr. 2016
Park & Ride Development	Becamex IDC & BTB and JICA Project Team	Candidate Sites for Park & Ride Facility Conceptual Design for Park & Ride Facility	5 May 2016
Park & Ride Development	DOT, DOH and JICA Project Team	Discussion about the land availability for P&R development inside the provincial	13 May 2016

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Meetings Conducted	Participated Agency	Key Agenda	Date
		hospital	
Meeting with DOT Director	DOT, JICA Project Team	Discussion about P&R development and preparation procedures. Preparation for 3 rd JCC meeting	19 May 2016
Meeting with Binh Duong PC	PC, DOT, other relevant agencies and JPT	Informing about the project progress and support from PC for the project implementation and PT	24 May 2016
3rd JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Progress Report Work to be implemented in the next period	25 May 2016
Meeting with DOT Director	DOT, JICA Project Team	Bus System Improvement Plan and Fare Policy P&R development Permission about survey for travel behavior of residents	1 June 2016
WG for Activity 1&2	DOT, MOCPT, JICA Project Team	Bus System Improvement Plan and Fare Policy P&R development	1 June 2016
	DOT, DOC, JICA Project Team	Basic Principles of Bus Network Design in Binh Duong	17 June 2016
3rd MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	22 June 2016
Meeting with the delegation to Japan for 2 nd training	DOT, PC and JICA Project Team	Introduction about the training schedule and contents	1 July 2016
WG for Activity 1&2&3	DO, Becamex, BTB and JICA Project Team	Confirm about responsibility of stakeholders for implementation P&R facilities. Plan of Mobility Management Activities during June and August Discussion about Smartcard Pilot Program	1 July 2016
4th MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	18 July 2016
WG for Activity 3	DOT and JICA Project Team	Report for Implementation of MM Activities at Residential Areas & Free Bus Day	24 August 2016
5th MM Workshop	DOT, Admin. Officers and JICA Project Team	Introduce New Bus Service Recommend Bus Commuting Introduce Travel Plan by Group Discussion/Works	24 August 2016
Meeting with DOT Director	DOT, JICA Project Team	Report for Implementation of MM Activities at Residential Areas & Free Bus Day	6 September 2016
MM activities at EIU	EIU & JICA Project Team	Discussion about MM activity at the university and implementation schedule	16 September 2016
Meeting with DOT Director	DOT and JICA Project Team	Discussion about further activities to be implemented in the coming time	5 October 2016
Meeting with DOT Director	DOT and JICA Project Team	Discussion about JCC meeting	21 October 2016
Meeting with Binh Duong	PC, DOT, other	Report on the project progress	7 November

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Meetings Conducted	Participated Agency	Key Agenda	Date
PC	relevant agencies and JPT	Subsidy and other policies for public transport promotion	2016
Meeting with Local Bus Companies	DOT, MOCPT, Local Bus Companies and JICA Project Team	Existing issue related to the bus operation in Binh Duong Province Introduction of the pilot route to other bus routes Establishment of a new WG	8 November 2016
WG for Activity 2	MOCPT and JICA Project Team	Subsidy situation in Binh Duong prior to 2013.	28 November 2016
4th JCC meeting	DOT, DOF, DPI, MOPT, DOC, DOFA, MOCPT, Becamex IDC, JICA Project Team, Tokyu Cor.	Discussion about Progress Report Work to be implemented in the next period	8 December 2016
Meeting with DOT Director	DOT and JICA Project Team	Reporting about results of MM activities implemented in Ngo Thoi Nhiem School and proposing to implement further at other schools	27 December 2017
Meeting with relevant organizations	BTI & BTB, IDC and JICA Project Team	P&R development: parking expansion at Becamex Tower and arrangement of the P&R area	12 January 2017
WG for activity 2 & 3	DOT, MOPCT, BTB Thu Dau Mot Urban development division and JICA Project Team	P&R development Proposal for Thien Hau Temple Bus Stop improvement	2 March 2017
Meeting with relevant organizations	BTI, BTB and JICA Project Team	Preparation for P&R at Becamex Tower	2 March 2017
Meeting with relevant organizations	BTI & BTB, IDC and JICA Project Team	Preparation for P&R at Becamex Tower	22 March 2017
Meeting with relevant organizations	BIT & JICA Project Team	Preparation for P&R at Becamex Tower	17 April 2017
Meeting with Local Bus Companies	DOT, MOCPT, Local Bus Companies and JICA Project Team	Proposal for Thien Hau Temple Bus Stop improvement Implementation of Survey for Education & Training Toward Bus Driver and conductors.	15 May 2017
Meeting with DOT Director	DOT and JICA Project Team	Preparation for P&R opening ceremony Discussion about further activities to be implemented	19 May 2017
Meetings with bus operators	Binh Duong bus operator, Ben Cat bus operator, 19/5 Bus operator & JPT	Discussion about the traffic safety (focusing on bus transport)	30&31 May 2017
WG for activity 2 & 3	DOT, MOCPT, JPT	Layout of P&R at Le Thi Trung & Library	31 May 2017
Meeting with Phuong Trinh Bus company	Phuong Trinh Bus company & JPT	Possibility to join the project activities and Discussion about the traffic safety (focusing on bus transport)	5 June 2017
Meeting with relevant organizations	IDC, DOT, MOCPT and JICA Project Team	Preparation for P&R at Le Thi Trung & Library	5 June 2017
WG for activity 2 & 3	DOT, MOPCT, and JICA Project Team	Result of traffic safety hearing and proposal about MM activities	9 June 2017
Workshop on Subsidy and Soft Loan for Bus Transport in Vietnam	DOT, DONRE, Tax Division, Department of Science &	Public Transport Fare Policies in Major Cities in the World Bus Transport Subsidy (Government Support	23 June 2017

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Meetings Conducted	Participated Agency	Key Agenda	Date
	technology, Department of Information and Communication, MOPCT, bus operators and Transport Association of Binh Duong Province	for Bus Transport) in Tokyo Subsidy and Soft Loan for Bus Transport in Vietnam Proposed Subsidy Policy for Bus Transport in Binh Duong Discussion	

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1.2.2 Output 1: Bus system improvement plan is prepared

The progress of Output 1 activities is shown in the table below.

Table 3: Progress of Output 1 Activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
<p>1.1. Collection of the necessary document and review. (Work Item 5)</p>	<ul style="list-style-type: none"> - Collect the input data for the travel demand forecast as follows: <ul style="list-style-type: none"> ✓ Socio-economic data: Statistical reports and the data needed for the traffic demand forecast (GDP, population, vehicle ownership, etc.) ✓ Existing plans and studies in transport sector: Related information and data with regards to the "Transport Master Plan toward 2020" ✓ Road network and public transport system (latest information) : The current status of road construction in Binh Duong Province along with the condition of the bus operations ✓ Related law, regulation and policy in urban transport sector: Laws/decrees related to the transport sector ✓ Financial Resource / Budget Plan: Regarding the financial resource/budget for constructing transport infrastructure and subsidies for the business of transport operations ✓ Current Situation of Collecting, Holding and Use of Traffic Data: Data held by MOCPT (bus related data) and the DOT (transport infrastructure data) ✓ Data Related to Poverty, Gender and etc.: Data regarding gender, population by age, disabled population, income data and etc. 	<p>- Done</p>	<p>- No activity (N/A)</p>

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PM Form 3-1 Monitoring Sheet Summary

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
<p>1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.) (Work Item 9)</p>	<ul style="list-style-type: none"> - Review and analyze the existing traffic data - Carry out following traffic surveys and analyze the results: <ul style="list-style-type: none"> ✓ the traffic count survey ✓ the bus passenger interview survey ✓ the parking survey - Develop the travel demand forecasting model - Carry out following travel behavior surveys and analyze the results: <ul style="list-style-type: none"> ✓ the residential area survey targeting the officials in the Administration Office ✓ the commuting pattern survey targeting the officials in the Administration office. ✓ the commuting pattern survey targeting Japanese companies in the industrial parks. ✓ the interview survey in VSIP-II to grasp workers' actual commuting pattern. 	<ul style="list-style-type: none"> - Done - Done - Done - Done 	<p>- No activity (N/A)</p>
<p>1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport. (Work Item 10)</p>	<ul style="list-style-type: none"> - Review the current transportation master plan in the Binh Duong Province. 	<ul style="list-style-type: none"> - Done 	<p>- No activity (N/A)</p>
<p>1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework. (Work Item 11)</p>	<ul style="list-style-type: none"> - Examine public transport priority policies and TDM polices. - Carry out the WG to show the CPT the traffic demand analysis and discuss the TDM, especially the bus priority policy. - Implement the workshop / seminar and PR activity with citizens on urban transport issues. (Joint Seminar, Dec.1 2015) 	<ul style="list-style-type: none"> - Done - Done - Done 	<p>- No activity (N/A)</p>

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Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	<ul style="list-style-type: none"> - Implement the keynote lecture on MM by Dr. Taniguchi. on Mar. 22, 2016) - Carry out the public meeting with bus company on Apr. 29, 2016 	<ul style="list-style-type: none"> - Done - Done 	
<p>1.5. Study bus network system based on demand forecast. (Work Item 12)</p>	<ul style="list-style-type: none"> - Estimate the Future Traffic Demand - Implement the Corridor Demand Analysis - Identify the issues on Current Bus Network Planning - Implement planning / Analysis of New Bus Network - Examine reorganization of the bus routes in the urban area taking into consideration connection to the HCM UMRT-1 - Formulate pilot activities to upgrade bus transport service initiated by local bus operators - Prepare and propose bus transport improvement plan to the provincial government 	<ul style="list-style-type: none"> - Done - Done - Done - Done - On-going - On-going - Done 	<ul style="list-style-type: none"> - Finalize the bus network plan with Work Item 1.8
<p>1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system. (Work Item 13)</p>	<ul style="list-style-type: none"> - Conduct the public meetings with bus companies to collect the Required Information of Current Bus Operation - Examine Bus Operation Plan - Examine Fare Policy - Organize a workshop on "Fare policy and Subsidy for Bus transport" 	<ul style="list-style-type: none"> - Done - On-going - On-going - Done 	<ul style="list-style-type: none"> - Finalize the bus operation plan and bus fare policies with Work Item 1.8
<p>1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City. (Work Item 14)</p>	<ul style="list-style-type: none"> - Implement Park & Ride User Interview to estimate the Importance for P&R development - Analyze the Current Parking Situation and Review the Parking 	<ul style="list-style-type: none"> - Done - On-going 	<ul style="list-style-type: none"> - Continue the on-going activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	Policy - Examine / Asses Parking Policies	- On-going	
1.8. Prepare bus system improvement plan. (Work Item 15)	- Formulate the Bus System Improvement Plan based on the activity 1.2 to 1.7 (July-Nov 2017) - Examine reorganization of the bus routes in the urban area taking into consideration connection to the HCM UMRT-1	- On-going - On-going	- Formulate the Bus System Improvement Plan
1.9. Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated. (Work Item 6,7 and 8)	- Design the questionnaire on baseline survey - Conduct the first baseline survey targeting the CPT. - Prepare a training plan - Set verifiable indicators and goals - Plan and carry out the 1 st training program in Japan (14-19 September, 2015) - Plan and carry out the 2 nd training program in Japan (20-29 July, 2016) - Conduct the monitoring survey targeting the CPT.	- Done - Done - Done - Done - Done - On-going	- Conduct the monitoring survey targeting the CPT

1.2.3 Output 2: Measures to upgrade quality of the bus services are examined and pilot project is implemented.

The progress of Output 2 activities is shown in the table below.

Table 4: Progress of Output 2 Activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
2.1. Examine and identify the orientation for improvement of the quality of bus services.	- Grasp the current situation and examine a policy to improve bus	- Done	- No activity (N/A)

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Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
(Work Item 16)	service level - Carry out the site inspection at the bus terminal in Ben Cat - Examine the condition to introduce a IC-Card system - Carry out the public meetings with local bus companies	- Done - Done - Done	
2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route. (Work Item 17)	- Examine a new bus route plan and an operation plan (for the pilot corridor) based on the result of travel behavior surveys - Analyze the result of the bus passenger survey - Prepare the bus timetable and establish the operations management mechanism - Implement and assess the pilot project bus route	- Done - Done - Done - Done	- No activity (N/A)
2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system. (Work Item 18)	- Review the technical standards in Vietnam with regards to IC cards - Examine the requirements, necessary equipment and specification of the IC card system - Review the laws in Vietnam with regards to IC cards - Examine the requirements, necessary equipment and specification of the IC card system	- Done - Done - Done - Done	- Implement and assess the pilot project (to be continued)

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	<ul style="list-style-type: none"> - Examine interoperability of the IC cards with other transport modes and other fields - Procurement of the equipment, system development and its testing and verification - Implement and assess the pilot project 	<ul style="list-style-type: none"> - Done - On-going 	
2.4. Monitor attitude of bus drivers and conductors toward passengers. (Work Item 19)	<ul style="list-style-type: none"> - Introduce a monitoring scheme to check bus operators and bus crews' customer service attitude - Conduct the hearing survey targeting local bus operators 	<ul style="list-style-type: none"> - On-going - Done 	- Technical transfer to other bus companies (to be continued)
2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area. (Work Item 20)	<ul style="list-style-type: none"> - Carry out the public meetings with bus companies to exchange the opinions - Formulate the safety measures along bus corridors 	<ul style="list-style-type: none"> - Done - On going 	- Continue the on-going activities

1.2.4 Output 3: Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.

The progress of Output 3 activities is shown in the table below.

Table 5: Progress of Output 3 Activities

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
3.1. Study policies and measures of mobility management (Work Item 21)	<ul style="list-style-type: none"> - Examine the current travel pattern to identify target groups for MM and activities for MM - Prepare a manual for MM - Conduct and Analyze the 	<ul style="list-style-type: none"> - Done - Done 	- No activity (N/A)

PM Form 3-1 Monitoring Sheet Summary

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	Questionnaire Survey to identify the Characteristics of Travel Behaviors	- Done	
3.2. Improve communication skills. (Work item 23)	<ul style="list-style-type: none"> - Implement basic lectures on MM to the CPT - Conduct technical training to organize the MM Workshop 	<ul style="list-style-type: none"> - Done - Done 	- No activity (N/A)
3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises. (Work Item 22 and 24)	<ul style="list-style-type: none"> - Create publication materials <ul style="list-style-type: none"> ✓ Draft of the bus route map ✓ Standee, Banner and wrapping bus to promote bus usage - Prepare the MM activity plan - Analyze the result of following surveys <ul style="list-style-type: none"> ✓ The commuting pattern survey targeting the officials in the Administration office. ✓ The commuting pattern survey targeting Japanese companies in the industrial parks. ✓ The interview survey in VSIP-II to grasp workers' actual commuting pattern. - Carry out the questionnaire survey targeting the workers in Becamex Tower and Tokyu Becamex Bus - Carry out the EASTS-JSCE Jointed Seminar in the Vietnam-German University - Implement MM Workshop targeting Government Officer (5 times) 	<ul style="list-style-type: none"> - Done - Done - Done - Done - Done - Done - Done 	- Implement and assess MM (to be continued)

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Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	<ul style="list-style-type: none"> - Implement MM Activity targeting University Student - Implement MM activities for local residents in Thu Dau Mot City - Distribute the materials and conduct the questionnaire survey on P&R parking targeting admin. staffs, local residents, workers in Becamex Tower and university students - Implement MM activity for elementary schools in Thu Dau Mot City 	<ul style="list-style-type: none"> - Done - Done - Done - On-going 	
<p>3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users. (Work Item 25)</p>	<ul style="list-style-type: none"> - Make the conceptual Plan for the candidate side of P&R Pilot Project - Draft the Implementation Plan for P&R Pilot Project - Investigate the interoperability between the free pass on bus smartcard and Parking fare collection - Prepare the required procedure to implement P&R Pilot Project - Introduce the P&R parking with a new system able to be integrated with bus smartcard 	<ul style="list-style-type: none"> - Done - Done - Done - Done - Done 	<ul style="list-style-type: none"> - Complete the preparation works and construct parking facility for P&R Pilot Project on Binh Duong Library and Le Thi Truong Street - Implement P&R Pilot Project

PM Form 3-1 Monitoring Sheet Summary

Activity and Work Item	Activities	Progress	Activity for the Next 6 Months
	<ul style="list-style-type: none"> - Complete the preparation works and construct parking facility for P&R Pilot Project - Implement P&R Pilot Project 	<ul style="list-style-type: none"> - On-going - On-going 	

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1.3 Achievement of Output

1.3.1 Output1

Achievement status of Output 1 is as follows.

Table 6: Verifiable Indicators and Current Status

Objectively Verifiable Indicator	Baseline	Current Status
1.1. Each activity for preparation of bus system improved plan is completed	- No exist. (PT-MP, Decision No. 4291/QD-UBND, Dec. 24, 2014 only)	- Contents on Bus system improvement plan are examined. - Bus fare policy and subsidy workshop was held.

Source: PDM 1.1

1.3.2 Output 2

Achievement status of Output 2 is as follows.

Table 7: Verifiable Indicators and Current Status (Under Consideration)

Objectively Verifiable Indicator	Baseline	Current Status
2.1. The orientation for improvement of the quality of bus services is identified.	- No exist. (PT-MP, Decision No. 4291/QD-UBND, Dec. 24, 2014 only)	- Bus user opinion survey was conducted. - Public Meeting with local bus company was held
2.2. Measures to provide punctual bus operation are introduced and punctuality improves.	- 1 route	- Expanded to 6 routes - Bus operation including time table was updated in January, 2017
2.3. Bus IC-card system is introduced and institutions to manage and operate the Bus IC-card system is established.	- No exist.	- Prepared the specification of bus IC-Card system on pilot project - Issues of monthly IC-Card was started since April 2017
2.4. Attitude of bus drivers and conductors toward passengers is monitored to be improved.	- No exist.	- Provided the training for the bus drivers of pilot bus routes
2.5. Traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area are implemented.	- No exist.	- Collected data and prepared the document on the locations where traffic accidents usually occur along with bus corridors

Source: PDM 1.1

Output 3

Achievement status of Output 3 is as follows.

Table 8: Verifiable Indicators and Current Status (Under Consideration)

Objectively Verifiable Indicator	Baseline	Current Status
3.1. Policies and measures of mobility management are obtained and communication skills are developed.	<ul style="list-style-type: none"> - No policy and measures exist. - Score of the first baseline survey was 2.2 	<ul style="list-style-type: none"> - MM activity plan was prepared. - Facilitator training, keynote lecture was implemented.
3.2. Mobility management activities to promote public transport with enterprises and local community are implemented.	<ul style="list-style-type: none"> - No exist. 	<ul style="list-style-type: none"> - 5 times MM workshops for Admin. Officers, MM activities for University students and MM activity for residence in Binh Duong new city were implemented. - The MM activities for elementary schools have been implemented
3.3. Mobility management activities to promote Park & Ride for bus users are implemented.	<ul style="list-style-type: none"> - No exist. 	<ul style="list-style-type: none"> - Formulated the implementation plan for P&R pilot project. - Launched the first P&R parking at Becamex Tower parking

Source: PDM 1.1

1.4 Achievement of the Project Purpose

Also stated in PDM, the achievement of the project purpose shall be evaluated using verifiable indicators.

Table 9: Verifiable Indicators and Current Status

Objectively verifiable indicators	Baseline	Current Status
<ul style="list-style-type: none"> - Counterpart (C/P) prepare/ implement followings in cooperation with JICA experts in good manner. ✓ Bus system improvement plan ✓ Several pilot projects/ 	<ul style="list-style-type: none"> - No existed. 	<ul style="list-style-type: none"> - Formulated new bus transport subsidy policies - Contents on Bus system improvement plan are preparing. - Implemented the measures for reliable bus operations on pilot project bus routes

Objectively verifiable indicators	Baseline	Current Status
mobility management activities	<ul style="list-style-type: none"> - The capacity scores for each output at the baseline survey are 3.15, 2.77 and 2.22. 	<ul style="list-style-type: none"> - Introduced IC-Card System on pilot project bus routes - Introduced the monitoring scheme to check bus operators' and bus crews' customer service attitude - Investigating the traffic safety measures along bus corridors - The target groups of MM identified as Admin. Officer, University Student and residence in Binh Duong new city. - MM activities were implemented for above targets. - Started the implementation of P&R pilot project - The first baseline survey was conducted.
<ul style="list-style-type: none"> - Bus system improvement plan is authorized. 	<ul style="list-style-type: none"> - No existed. 	<ul style="list-style-type: none"> - Organized the workshop for the relevant agencies and bus operators to build a consensus on the new subsidy policy. - Submitted to the provincial peoples' committee for approval.

Source: PDM 1.1

To achieve the project purpose, the JPT identify the required knowledge and skills by each output shown in the following table. Result of the baseline survey were evaluated on a five-level scale as indicated below and illustrated in following figures.

- (1) Newbie: I don't know the process/ concept;
- (2) Novice: I know the process/ concept, but I have never done it;
- (3) Young Expert: I have done it once, but I have not reported or presented the results;
- (4) Expert: I have done it twice or more/ I have done it once and reported or presented the results; and
- (5) Senior Expert: I have done it twice or more, and reported or presented the results.

Table 10 Required Knowledge and Skills per Project Output and Activity

Expected Output	Activities	Required Knowledge & Skills	
(1) Bus system improvement plan is prepared.	1.1. Collection of the necessary document and review. 1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.) 1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport.	1.1.1	Analyzing Statistical Data for Bus Improvement Plan
		1.1.2	Identifying Bus Transport Issues
		1.1.3	Implementing and Analyzing Traffic Surveys
	1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework. 1.8. Prepare bus system improvement plan.	1.1.4	Knowledge of Traffic Demand Management (TDM)
		1.1.5	Formulating Public Transport Policies
	1.5. Study bus network system based on demand forecast.	1.1.6	Planning for Bus Route
		1.1.7	Planning for Bus Operating Plan
	1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system.	1.1.8	Formulation of Fare Policy
		1.1.9	Conducting Financial Analysis
	1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City.	1.1.10	Planning for Traffic Management
		1.1.11	Solving Issues related Parking Policy
		1.1.12	Conducting Evaluation of Parking Policy
	(2) Measures to upgrade quality of the bus services are examined and pilot project is implemented.	2.1. Examine and identify the orientation for improvement of the quality of bus services.	2.1.1
2.1.2			Planning for the Improvement of the Bus Service Level
2.1.3			Conducting an Implementation Plan
2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route.		2.2.1	Preparing a Bus Operation Plan
		2.2.2	Preparing a Timetable
		2.2.3	Conducting a Bus Operation Management Plan
2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system.		2.3.1	Do you know the smartcard system introduced into Becamex Tokyu Bus?
		2.3.2	Planning of introducing Smartcard

Expected Output	Activities	Required Knowledge & Skills	
			System
		2.3.3	Analyzing of Smartcard Data
		2.3.4	Knowledge of Smartcard related Laws
		2.4.1	Identifying the Current Issues of Bus Drivers' and Conductors' Service
	2.4. Monitor attitude of bus drivers and conductors toward passengers.	2.4.2	Preparing a Manual/Guideline for Bus Drivers and Conductors
		2.4.3	Evaluating the Scheme
		2.5.1	Identifying the Current Issues of Traffic Safety on the Pilot Project Bus Route
	2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.	2.5.2	Knowledge of Traffic Safety Countermeasures
		2.5.3	Conducting a Traffic Safety Awareness Campaign
		(3) Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.	3.1. Study policies and measures of mobility management
3.1.2	Preparing Mobility Management Policies		
3.1.3	Communicating citizens to Encourage to Use Public Transport		
3.2. Improve communication skills.	3.2.1		Planning and Implementing Mobility Management
	3.2.2		Building Stakeholders' Consensus
	3.2.3		Analyzing and Evaluating Mobility Management Activities
3.3. Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises.	3.3.1		Knowledge of Park & Ride
	3.4. Study/ Implement mobility management activities to promote Park & Ride for bus users.		3.3.2
3.3.3			Analyzing and Evaluating a Social Experiment

The first baseline survey was conducted in June 2015 to measure the current knowledge and skills level. The average scores are shown in the following table and each scores are in the following figures.

Table 11 Average Scores per Outputs

Survey	Output		
	1	2	3
Baseline Survey (June 2015)	3.15	2.77	2.22

Figure 1 Required Knowledge and Skills for Output 1: Bus system improvement plan

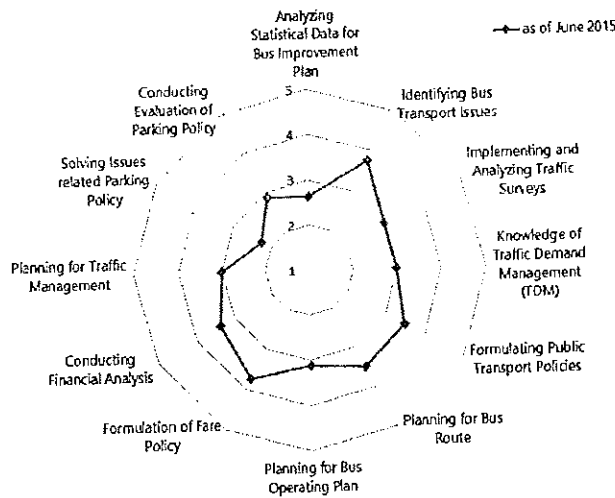


Figure 2 Required Knowledge and Skills for Output 2: Upgrade quality of the bus services

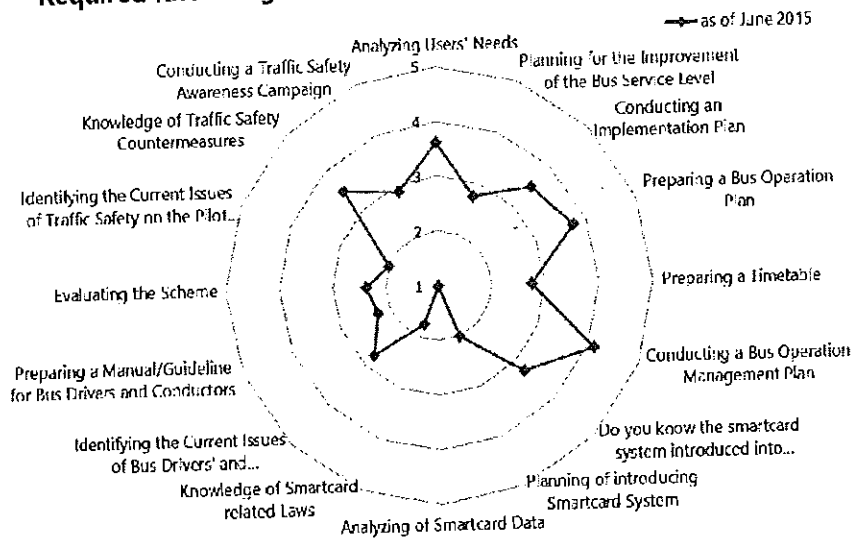
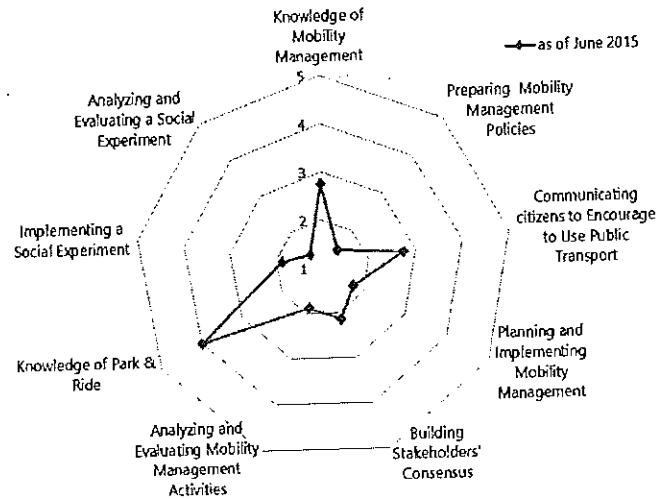


Figure 3 Required Knowledge and Skills for Output 3: Mobility management



1.5 Changes of Risks and Actions for Mitigation

DOT and JICA project team implemented the mobility management activities during March and April, 2016. However, the number of bus user is not increase during this period. Therefore, DOT have implemented a series of mobility management activities in collaboration with related agencies, and confirm an increase of bus users. However, number of bus user is not sufficient enough as expected, thus DOT and JICA project team will continue the mobility management related to other pilot activities, especially to promote P&R and to encourage bus usage for elementary school students and their parents.

DOT and JICA project team have confirmed the sites (2 private lands and 1 public land) for the P&R Pilot Project, and DOT arranged the necessary procedure and coordination with relevant agencies to secure the 1 public land. However, it takes time to complete the procedure in accordance with the legal regulations. JICA proposed the People's Committee of Binh Duong Province to instruct relevant agencies to be more involved and take necessary actions for early operation of the P&R facilities. Due to the limited time remaining before the Project ends and to increase ridership, the JICA mission and the JICA Project Team advised PC of Binh Duong Province to start the pilot project at the site in front of Becamex Tower, where the public usually complete administrative procedures.

1.6 Progress of Actions undertaken by JICA

On May 12, 2015, DOT and JICA agreed to amend the following items in the RD signed on May 15, 2014, namely (i) to add the expert's field, (ii) to change the report, and (iii) to change the report format for monitoring and evaluation.

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1.7 Progress of Actions undertaken by The People's Committee of Binh Duong Province

The People's Committee of Binh Duong Province dispatched the counterpart members from DOT and relevant agencies for smooth implementation of the Project.

1.8 Progress of Environmental and Social Considerations (if applicable)

N/A

1.9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A

1.10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs etc.)

2 full time staffs from a member of the Project's counterpart organization to start various pilot activities, agreed on R/D. However, they are not assigned yet at this moment. JICA understand difficulty on the full time counterpart as discussed in 3rd JCC meeting and appreciate effort of DOT to assign counterpart staff to work regularly with the JICA project team. However, JICA requested DOT to continue to make efforts on the assignment of appropriate number of counterpart staffs regularly to the respective activities, so as to ensure a smooth technical transfer in the project, and DOT agreed in 4th JCC meeting.

DOT and JICA project team have confirmed three sites for the Park-and-Ride pilot project, those are in front of Becamex Tower, in the People's Committee Library ground and at the intersection of Phu Loi – Le Thi Trung. JICA proposed the People's Committee of Binh Duong Province to instruct relevant agencies to be more involved and take necessary actions for early operation of the Park-and-Ride facilities. Due to the limited project period remained, JICA advised the provincial government to start from the location (in front of Becamex Tower) where administrative procedure is completed.

1.11 Tasks to be implemented by JICA Project Team and Counterparts

Work	Tasks	Implementing agencies
Output 1: Bus system improvement plan is prepared		
Gather existing related materials and review them to grasp the problems and issues		- DOT, MOCPT & JPT
Conduct of Traffic Surveys and Demand	Review and analyze existing data	- DOT, MOCPT, JPT & Traffic Research

PM Form 3-1 Monitoring Sheet Summary

Forecast Analysis	Implementation of Traffic Surveys Traffic Demand Forecast Analysis	Center of VGU
Review the Urban Transport Master Plan and Transport Master Plan		- DOT & JPT
Identify issues with regards to public transport priority policies and traffic demand management policies	Examine public transport priority polices and traffic demand management policies Conduct discussions and advocacy with citizens	- DOT, MOCPT & JPT - Relevant agencies
Examine the future bus network based on the future traffic demand	Estimate the future traffic demand Examine the future bus network	- DOT, MOCPT, JPT & Traffic Research Center of VGU
Examine the bus operation plan and fare policies	Examine the bus operation plan Examine the bus fare policies	- DOT, MOCPT & JPT - Relevant agencies
Assess the parking policies of the commercial areas and New City	Analyze the current parking situation and review the parking policies Examine and assess the parking policies	- DOT & JPT
Formulate the bus system improvement plan		- DOT & JPT
Base Line Survey		- DOT & relevant agencies
Output 2: Measures to update quality of the bus services are examined and pilot project is implemented.		
Examine a plan to improve the level of service in buses	Grasp the current situation and examine a plan targeted at the current situation Prepare an improvement and implementation plan"	- DOT, MOCPT, JPT & Local Bus Operators
Introduce measures for reliable bus operations for the pilot project bus route	Prepare the bus timetable and establish the operations management mechanism Implement and assess the pilot project bus route Support the expansion of other bus routes"	- DOT, JPT & Becamex Tokyu Bus
Establish the operation management scheme for the introduction of an IC card system for the pilot project bus route	Review the technical standards and laws in Vietnam with regards to IC cards Decide on the requirements, necessary equipment and specification of the IC card system Go through the procedures to procure the equipment and conduct system development along with testing and verification	- DOT, JPT & Becamex Tokyu Bus

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PM Form 3-1 Monitoring Sheet Summary

	<p>Implement and assess the pilot project</p> <p>Examine interoperability of the IC cards with other transport modes and other fields</p>	
<p>Introduce a monitoring scheme to check bus operators and bus crews' customer service attitude</p>	<p>Analyze the current situation regarding bus operators and bus crews' safety awareness and customer service attitudes</p> <p>Prepare customer service guidelines and a proposal for the monitoring scheme</p> <p>Implement and assess the pilot project</p>	<p>- DOT, JPT & Becamex Tokyu Bus</p>
<p>Implement safety measures for the pilot project bus route</p>	<p>Examine traffic safety measures</p> <p>Apply to safe driving manual</p> <p>Plan traffic safety facilities</p> <p>Assess the measures and disseminate it for citizens and bus operators"</p>	<p>- DOT, JPT & Local Bus Operators</p>
<p>Output 3: Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.</p>		
<p>Examine the introduction of mobility management (MM)</p>	<p>Identify an target for MM and detailed activities for MM</p> <p>Prepare a manual for MM"</p>	<p>- DOT, JPT & Traffic Research Center of VGU</p>
<p>Improve communications abilities</p>	<p>Implement basic lectures on MM</p> <p>Technical training to improve communications abilities</p>	<p>- DOT, JPT & Traffic Research Center of VGU</p>
<p>Create publication materials</p>	<p>Making MM tools</p> <p>Making PR materials for propaganda activities</p>	<p>- DOT, JPT & Traffic Research Center of VGU</p>
<p>Implementation of MM to promote public transport usage</p>	<p>Prepare the plan for implementing MM and coordinate with relevant firms and organizations</p> <p>Implement and assess MM"</p>	<p>- DOT & JPT</p>
<p>MM to promote the park and ride policy</p>	<p>Select candidate parking lots and examine alternative solutions</p> <p>Prepare an implementation plan for the park and ride social experiment</p> <p>Civil works construction by C/P fund</p> <p>Implement and assess the park and ride social experiment</p>	<p>- DOT, JPT & Becamex IDC</p>

2 Delay of Work Schedule and/or Problems (if any)

2.1 Detail

The following 3 activities are delayed from original work schedule;

Activity 1.6: Study the bus operation and bus fare policies including monthly ticketing and subsidy system

Activity 2.3: Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system

Activity 3.4: Study/ Implement mobility management activities to promote Park & Ride for bus users

2.2 Cause

Activity 1.6:

JICA emphasized importance of the subsidy for the higher public bus services, and DOT also recognized the importance of the subsidy. Further examination to formulate detail policies for the subsidy is required.

Activity 2.3:

Examination of security enhancing measures on IC-card system is required an additional.

Activity 3.4:

DOT and JICA project team have confirmed the sites (2 private lands and 1 public land) for the P&R Pilot Project, and DOT arranged the necessary procedure and coordination with relevant agencies to secure the 1 public land. However, it takes time to complete the procedure in accordance with the legal regulations.

2.3 Action to be taken

Activity 1.6:

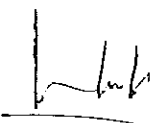
People's Committee of Binh Duong Province and relevant agencies to have more attention on the subsidy for bus operators and also to create favorable conditions for them to access to the soft loan so as to improve the level of services on their bus operation. DOT and JICA project team formulate detail policies for the subsidy and soft loan by the next 5th JCC meeting.

Activity 2.3:

Required security enhancing measures on IC-card system is being developed by JICA project team.

Activity 3.4:

JICA mission and the JICA Project Team advised PC of Binh Duong Province to start the pilot project at the site in front of Becamex Tower, where the public usually complete administrative procedures, at 4th JCC meeting.



2.4 Roles of Responsible Persons/Organization (JICA, The People's Committee of Binh Duong Province, etc.)

Refer to 2.3.

Modification of the Project Implementation Plan

3.1 PO

N/A

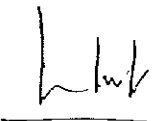
3.2 Other modifications on detailed implementation plan

N/A

4 Preparation of The People's Committee of Binh Duong Province toward after completion of the Project

N/A

II. Project Monitoring Sheet I & II *as Attached*





Annex2: Project Monitoring Sheet 1 (Revision of Project Design Matrix)

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province
 Implementing Agency: Department of Transport, Binh Duong Province
 Target Group: Department of Transport, Binh Duong Province
 Period of Project: March 2015 - February 2018
 Project Site: The south of Binh Duong Province

Version 5
 Dated July 21, 2017

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p>Overall Goal Enhancement of public transport system is promoted.</p> <p>Project Purpose Institutional capacity of policy development and implementation on the public transport system development is strengthened.</p>	Number of public transport passengers/ modal share of public transportation are increased. - Counterpart(C/P) prepare/ implement followings in cooperation with JICA experts in good manner. - Bus system improvement plan - Several pilot projects/ mobility management activities - Bus system improvement plan is authorized.	- Statistics/ Survey - Relevant documents - Survey on participation of C/P - Comparison of capacity of C/P based on baseline survey and others - A document for authorization		- The first baseline survey was conducted. - The target group of MM identified as Admin. Officer, University Student and Residence. - MM activities were implemented for above target. - Contents on Bus system improvement plan are preparing.	N/A
<p>Outputs (1) Bus system improvement plan is prepared. (2) Measures to upgrade quality of the bus services are examined and pilot project is implemented. (3) Mobility management activities to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.</p>	1.1. Each activity for preparation of bus system improved plan is completed 2.1. The orientation for improvement of the quality of bus services is identified. 2.2. Measures to provide punctual bus operation are introduced and punctuality improves. 2.3. Bus IC-card system is introduced and institutions to manage and operate the Bus IC-card system is established. 2.4. Attitude of bus drivers and conductors toward passengers is monitored to be improved. 2.5. Traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area are implemented. 3.1. Policies and measures of mobility management are obtained and communication skills are developed. 3.2. Mobility management activities to promote public transport with enterprises and local community are implemented. 3.3. Mobility management activities to promote Park & Ride for bus users are implemented.	- Bus system improvement plan - Report of pilot projects		- Contents on Bus system improvement plan are examined. - Bus fare policy and subsidy workshop was held. - Bus user opinion survey was conducted. - Public Meeting with local bus company was held - Expanded to 6 routes - Updated the bus operation including timetable and new fare system - Prepared the specification of bus IC-Card system on pilot project - Issued the monthly IC-Card which intergrated with P&R parking system - Introduced monitoring scheme. - Collected traffic accident data and examined on bus corridors - MM activity plan was prepared. - Facilitator training, keynote lecture was implemented. - 5 times MM workshops for Admin. Officers and MM activities for University students. Elementary students (try-out) and residence were implemented. - prepared the implementation plan and required procedure for P&R pilot project. - Launched the first P&R parking (Becamex Tower)	N/A N/A N/A N/A N/A N/A N/A N/A Two remaining sites planned to start on October 2017

Activities	Inputs	Important Assumption
<p>1. Bus system improvement plan is prepared 1.1. Collection of the necessary document and review. 1.2. Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.) 1.3. Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport. 1.4. Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework. 1.5. Study bus network system based on demand forecast. 1.6. Study the bus operation and bus fare policies including monthly ticketing and subsidy system. 1.7. Investigate the parking policies in the commercial areas and the Binh Duong New City. 1.8. Prepare bus system improvement plan. 1.9. Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term, and terminal evaluation indicators will be formulated.</p> <p>2. Measures to upgrade quality of the bus services is examined and pilot project is implemented. 2.1. Examine and identify the orientation for improvement of the quality of bus services. 2.2. Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route. 2.3. Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system. 2.4. Monitor attitude of bus drivers and conductors toward passengers. 2.5. Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.</p> <p>3. Mobility management activity plan to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities. 3.1. Study policies and measures of mobility management 3.2. Improve communication skills. 3.3. Study/Implement mobility management activities to</p> <p>* Underline denotes new item in PDM1.1.</p>	<p>The Japanese Side</p> <ul style="list-style-type: none"> - Japanese Experts - Chief Advisor/ Public Transport Policy - Deputy Chief Advisor/ Urban Transport Planning - Traffic Demand Analysis - Traffic Management/ TDM/ Traffic Safety - Bus Operation Planning - Bus Operation Management - Bus-related Facility Planning - Mobility Management - Pilot Project Activities/ Support - Public Involvement/ Publicity Planning - Legal System for the Smartcard - Counterpart training in Japan and/or third world countries - Provision of equipment - IC-card system - Other equipment, if necessary - Support the implementation of the pilot projects (principle of cost share: provision of equipment, facilities, and materials; conduct of campaign and propaganda activities) - Seminars and workshops (principle of cost share: dispatch of short-term expert, provision of materials) <p>The Vietnamese Side</p> <ul style="list-style-type: none"> - DOT (Transport management division, Planning and finance division, Management & operation center for public transport, Transport infrastructure division) - DOF - DPI - DOC - Becamex IDC - Implementation of the pilot project (principle of cost share: facilities, civil works including improvement of the bus stops, zebra zones and intersections, and development of parking places for P&R) - Conduct of seminars and workshops (principle of cost share: provision of venues) - Suitable weekly meeting space in DOT - Suitable office space for members in Becamex IDC with air conditioner, Wifi and sharing copy machine 	<ul style="list-style-type: none"> - Vietnamese-related agencies' candidates for transfer of skills are supposed to continue working permanently. - Equipment is procured in time - Pre-Conditions - The Project's main counterpart organization, DOT, Binh Duong Province, exists permanently. <p>➔</p> <p><Issues and countermeasures ></p>

Annex 3: Project Monitoring Sheet II (Revision of Plan of Operation)

Version 1.5
Dated July 21, 2017

Project Title: The Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province	2016												2017												2018												Remarks	Issue	Solution
	Jan			Feb			Mar			Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec					
	Plan	Actual	Issue	Plan	Actual	Issue	Plan	Actual	Issue	Plan	Actual	Issue	Plan	Actual	Issue	Plan	Actual	Issue	Plan	Actual	Issue	Plan	Actual	Issue	Plan	Actual	Issue	Plan	Actual	Issue									
Inputs																																							
Expert																																							
Chief Advisor/ Public Transport Policy																																							
Deputy leader/ Urban Transport Planning																																							
Traffic Demand Analysis																																							
Traffic Management/ TDM/ Traffic Safety																																							
Bus Operation Planning																																							
Bus Operation Management																																							
Bus-related Facility Planning																																							
Mobility Management																																							
Public Involvement/ Publicity Planning																																							
Pilot Project Activities' Support																																							
Legal System for the Smartcard																																							
Equipment																																							
Smartcard system																																							
Digital signage system																																							
Training																																							
Training in Japan																																							
Activities																																							
Sub-Activities																																							
Output 1: Bus system improvement plan is prepared																																							
1.1 Collection of file necessary document and review.																																							
1.2 Conduct the field surveys on urban transport (traffic count survey, survey on people's travel behavior, bus operation and passenger survey, survey on level of awareness on traffic safety, etc.)																																							
1.3 Review the urban planning and transport master plan of Binh Duong Province based on the result of the above field survey and identify the problem and issues on public transport.																																							
1.4 Evaluate public transport priority and transport demand management measures and identify the policy issues for the pilot projects, and formulate effective project framework.																																							
1.5 Study bus network system based on demand forecast.																																							
1.6 Study the bus operation and bus fare policies including monthly ticketing and subsidy system.																																							
1.7 Investigate the parking policies in the commercial areas and the Binh Duong New City.																																							
1.8 Prepare bus system improvement plan.																																							
1.9 Conduct a baseline survey to evaluate capacity of the counterpart organizations and staff at present, based on which the training programs will be developed and the mid-term and terminal evaluation indicators will be formulated.																																							
Output 2: Measures to upgrade quality of the bus services is examined and pilot project is implemented.																																							
2.1 Examine and identify the orientation for improvement of the quality of bus services.																																							
2.2 Introduce punctual bus operation and management system with time table information provision of bus operation along the pilot project route.																																							
2.3 Introduce bus IC-card system on the pilot project route and establish institutions to manage and operate the IC-card system.																																							
2.4 Monitor attitude of bus drivers and conductors toward passengers.																																							
2.5 Implement the traffic safety measures along the pilot corridors between Thu Dau Mot City and the new urban area.																																							
Output 3: Mobility management activity plan to enhance the bus use is formulated and implemented in cooperation with relevant organizations and communities.																																							
3.1 Study policies and measures of mobility management																																							
3.2 Improve communication skills.																																							
3.3 Study/ Implement mobility management activities to promote public transport with enterprises and local community and introduce monthly ticket allowance system supported by enterprises.																																							
3.4 Study/ Implement mobility management activities to promote Park & Ride for bus users.																																							
Monitoring Plan																																							
Monitoring																																							
Joint Coordinating Committee																																							
Submission of Monitoring Sheet																																							
Monitoring Mission from Japan																																							
Reports/Documents																																							
Project Completion Report																																							

Annex 4: Mobility Management Activities

I. Mobility Management Implementation Progress and Initial Results

1. MM Activities for Government Officials

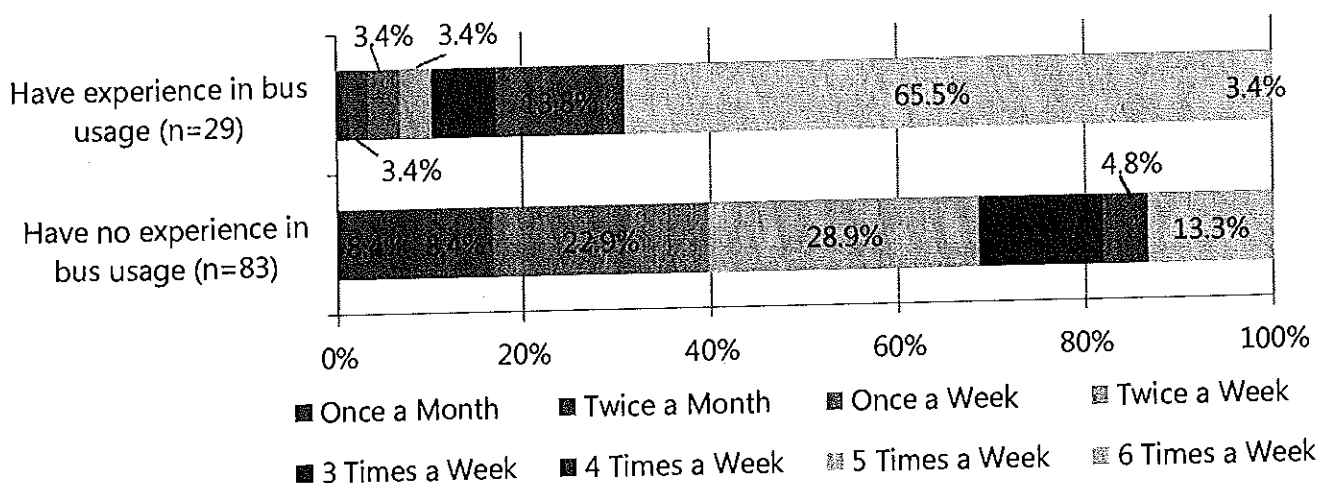
A survey conducted in August 2015 on the actual mode government officials used to travel to work showed that the motorcycles were the most used mode (75.9%), followed by cars (14.7%). Buses ranked only third (7.1%), followed by other modes (2.3%). Therefore, in order to encourage Government Officials using bus services to commute to their workplace in the Administration Center in Binh Duong New City, 05 MM workshops were carried out at the conference room in the Department of Transport inside the Administration Center.

The main purposes of the workshops were to disseminate the information on new bus services, promote daily bus commuting to government officials by instructing them understand bus route map, reading bus timetable and how to make personal travel plan.

Table 1. Implementation schedule for MM workshop and Administrative center

No.	MM activities	Date	Scale
1	The 1 st MM workshop	22 nd March 2016	58 participants
2	The 2 nd MM workshop	27 th April 2016	47 participants
3	The 3 rd MM workshop	22 nd June 2016	30 participants
4	The 4 th MM workshop	18 th July 2016	29 participants
5	The 5 th MM workshop	24 th August 2016	34 participants

After the MM workshops, all of participants fully understood "how they can commute by bus and make personal travel plan", and showed the behavioral intention of bus commuting.



Source: JICA Study team

Figure 1. Behavioral intention of officials after participating MM workshop

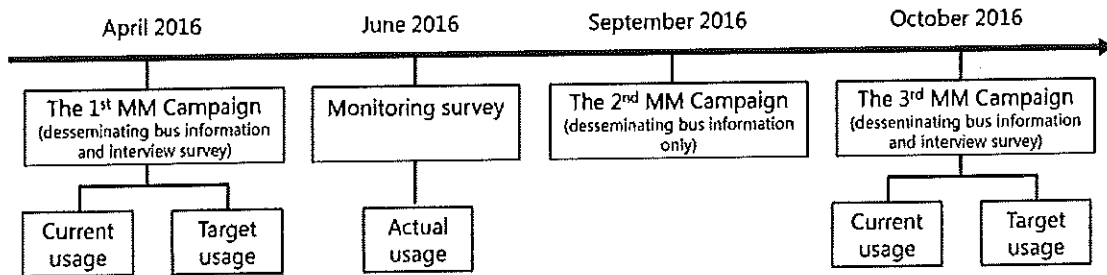
In total 112 officials were interviewed in the MM workshops, about 69% of them showed an intention to commute by bus more than twice per week, the average frequency which they tended to use around 2.7 times/week. Those with prior experience of bus commuting had a

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higher intention to travel by bus than those without experience. In particular, participants who are commuting by motorcycle and had no experience of bus commuting having the intention of commuting by bus once or twice a week only, compared to those with prior experience who indicated the intention of using bus 4.4 times per week on average.

2. MM Activites for University Students

The students and staffs at EIU and VGU are the next target groups of MM activities. The MM activities at campus were implemented in 3 periods as presented in following:



Source: JICA Study team

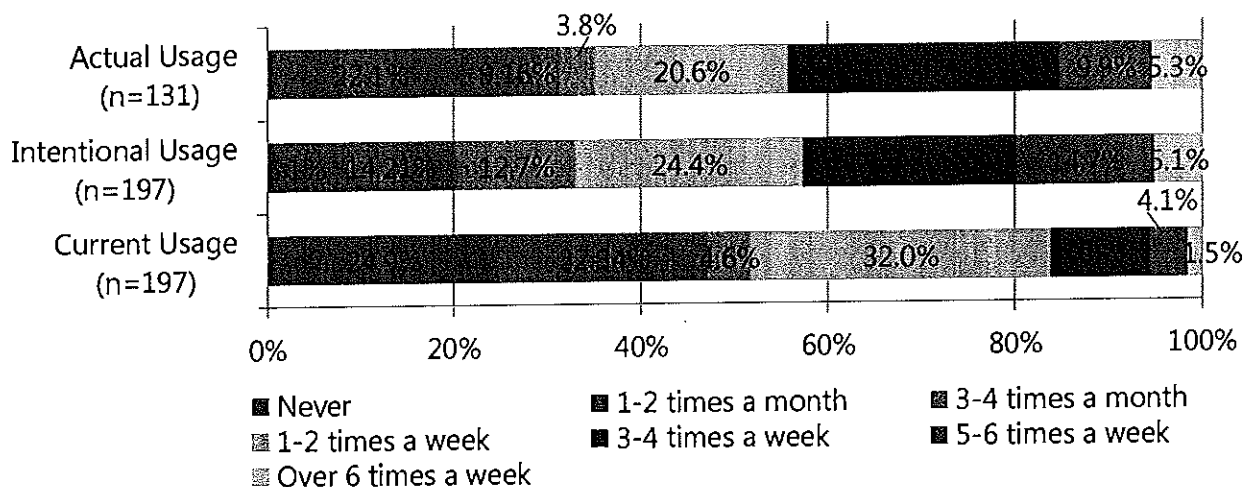
Figure 2. Schedule of MM activities for university students

In order to implement MM activities for university students, the following activities were conducted with the same contents in 3 time periods:

- Organizing a public relations campaign so called "Mobility Management on Campus," at VGU and EIU Campus.
- Informing and disseminating the motivational information to students and University staffs.

Results of the monitoring survey of the first MM campaign revealed that the share of VGU students who used the bus more than thrice a week after the MM campaign increased from 16.24% (before) to 42.64% of (intention) and 44.27% (actual).

Additionally, the shares of "Never" and "1-2 times/month" in terms of target and actual bus usage decreased to 20.30% and 31.30% respectively in comparison to current usage with 47.21%.



Source: JICA Study team

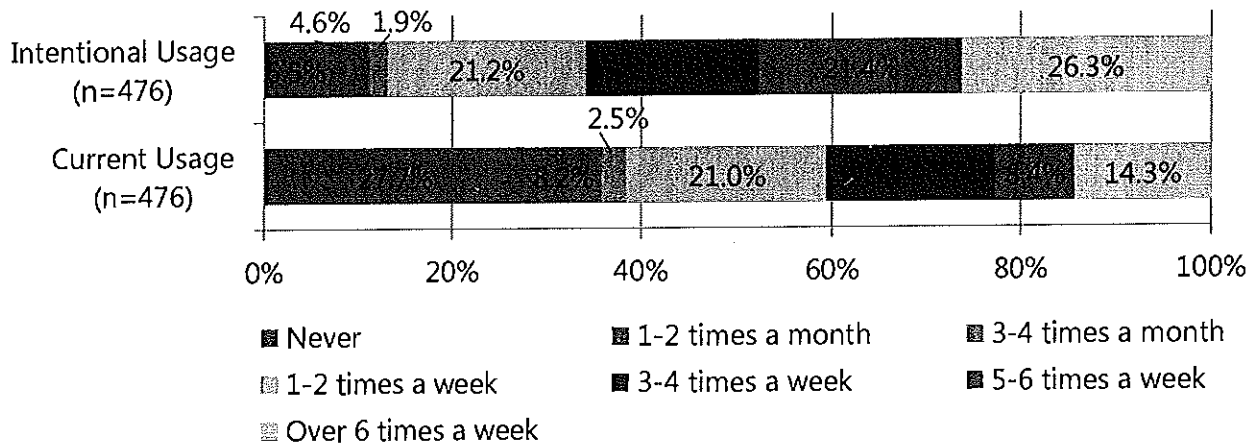
Figure 3. Survey results of the 1st MM campaign at campus

Regarding to the third MM campaign, the survey results had a similar tendency as the results in

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the first campaign, in total surveyed 476 students, the percentage of students who intended to commute by bus more than thrice per week increased significantly from 40.55% (before) to 65.76% (intention). Consequently, the percentage among students who "Never" and using the bus "1-2 times/month" decreased from 35.92% to 11.13%



Source: JICA Study team

Figure 4. Survey results of the 3rd MM campaign at campus

3. MM Activities for Local Residents

The bus information for local residents living along Kaze Shuttle routes was disseminated directly to each residential area in Binh Duong new city respectively as the following schedule:

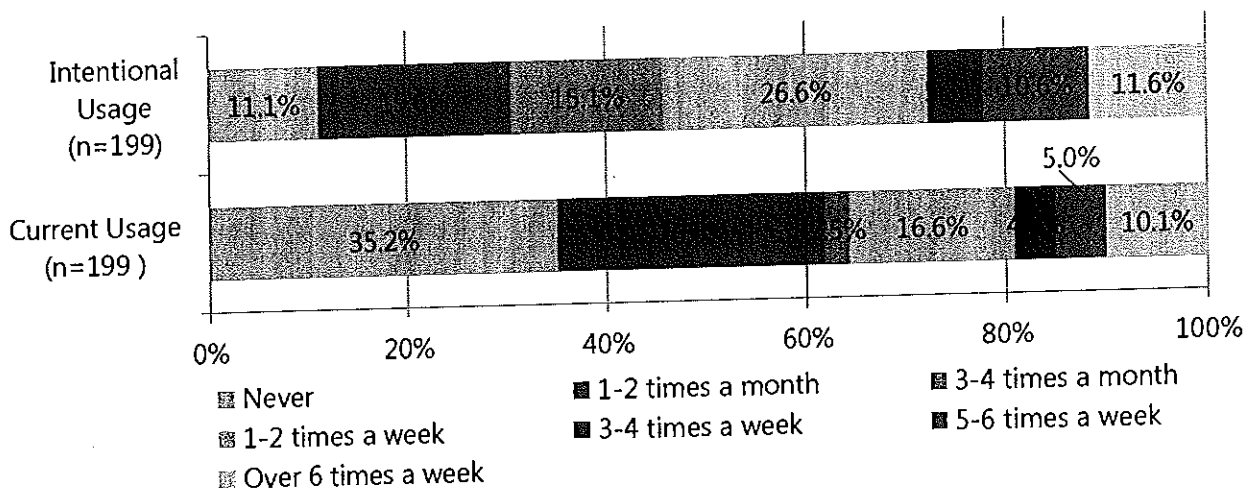
Table 2. Implementation schedule of MM activities for local residents

No.	MM activities	Date	Scale
1	MM at Hoa Loi social apartments	2 nd August 2016	Distributed 1000 MM material sets
2	MM at Hoa Loi social apartments	3 rd August 2016	Distributed 400 MM material sets
3	MM at Unitown Le Hoan and Phu Chanh market	4 th August 2016	Distributed 700 MM material sets
4	Free fare bus day organized by Becamex Tokyu Bus at hikari	6 th - 7 th August 2016	Approximately 1000 participants

Source: JICA Study team

Totally 199 participants were interviewed their current bus usage frequency and intentional usage after attending the free fare bus day which was organized on 6th and 7th August 2016. The survey results demonstrated that the bus usage frequency of residents went upward significantly. The participants used the bus more than thrice per month increased from 38.19% (before) to 69.35% (intention).

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Source: JICA Study team

Figure 5. Survey results of the Free Fare Bus Day

II. Mobility Management Implementation Plan in 2017

1. MM Activities to encourage Bus Commuting targeting Admin. Officers

In order to encourage bus commuting to administrative center, DOT requested to Binh Duong PC and leaders of each department to use the bus on 1st Monday of the month since January to April, 2017. The aims were the administrative officers have experience of bus usage and understand benefits of bus commuting.

2. The pilot project for MM activities at School

In order to promote MM activities to student groups, "The Traffic safety and Bus service usage guidance class" was organized at Ngo Thoi Nhiem Primary School:

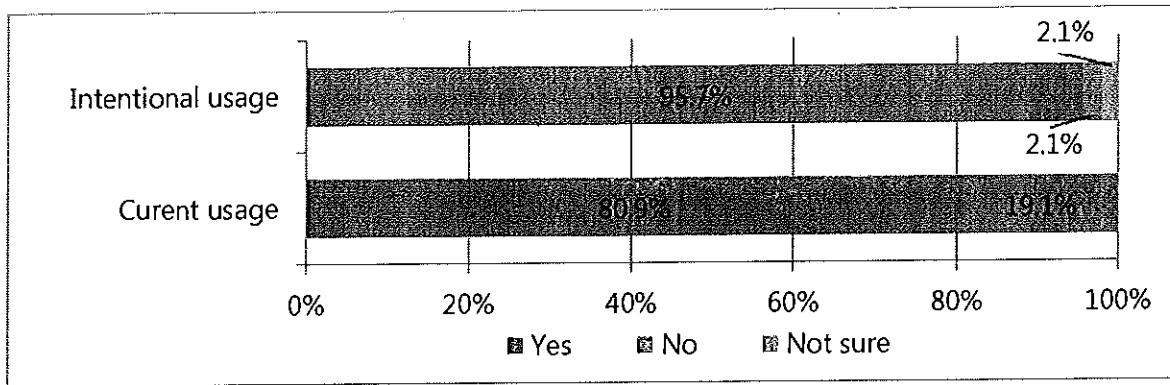
- Timing: from 16:00 to 17:15 in 14th and 15th January 2017,
- Participants: 20 primary students (from the 2nd grade to the 4th grade) and 8 students' parents.
- The main contents: to instruct primary students the manners to ride a bus and knowledge related to traffic safety when riding buses such as: catching buses at bus stops, bus riding manner, how to get on/get off the buses, sight distance and blind spot of the buses



Besides, in the MM class, primary students were also interviewed their assessment on effectiveness of the practical experience lesson, their bus usage frequency and intentional usage. The results indicated that 95.7% primary students had intention using bus services after the class was organized compared to 80.9% students who had experiences in bus usage before.

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Source: JICA Study team

Figure 5. Survey results in the MM class

The effectiveness of the MM pilot project at Ngo Thoi Nhiem School required the necessary to expand such activities to other schools at Binh Duong province. The JICA project team proposed a work plan for further MM activities as following, relevant discussions with Binh Duong DoT and MOCPT are essential:

<Implementation Proposals for MM activities at schools>

1. Overview
 - 1.1 The MM activities have been carried out recently;
 - 1.2 Opinion on MM activities at Binh Duong province;
 - 1.3 Objective of MM activities at Schools
2. Introduction on MM activities at Schools
 - 2.1 Programme framework
 - 2.2 Summary of theoretical program
 - 2.3 Summary of practical experience program

The Binh Duong DoT recommended that "by continuously introducing bus services through theoretical learning and practical experience classes, students could receive more useful knowledge about buses" the DoT will coordinate with DoET to organize this classes.

3. MM Activities at Schools

3.1.Objectives

In order to promote educational activities relating to public transport field and traffic safety knowledge, it is extremely essential to develop an educational program framework by introducing "The theoretical lessons on Mobility management at schools" into curriculum programs as one of regular studies. Besides, "the traffic safety and bus service usage guidance classes - experiencing class as below" should be organized once or twice a year. The main purpose is to facilitate students experienced to actual bus services (bus vehicles, drivers)

In the Mobility management pilot project at schools, firstly, training sections for teachers will be organized, and then the teachers who are instructed on the implementing methods of Mobility management activities at schools will provide instructional lectures to students. In the practical

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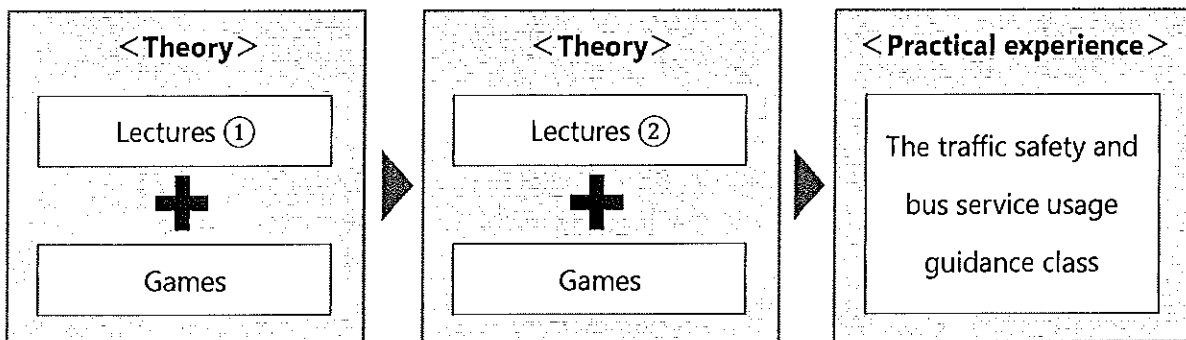
experience sessions, the contents consist of implementation methods, instructions and documents need to be developed for the classes. Besides, the guidance document development for local units (teachers, schools, bus operators) is another objective of the Mobility management pilot project.

3.2. Overview

The Mobility management activities at schools will be held twice a year for "the theoretical lesson" and once a year for "the practical experience session". The theoretical lessons will be conducted in different schools separately, however, the practical experience sessions will be carried out by gathering students, parents and teachers of numerous schools at a same location and it will be implemented together. The activities will be performed under the support and cooperation from bus operators.

A theoretical programme including 2 parts "lectures" and "games"

In order to fully understand the lectures and game manners, participants are required to have a certain knowledge and awareness, therefore, students who are in 4th grade or 5th grade are highly recommended to attend the classes.



3.3. Implementation Schedule

Table 3. Implementation plan for MM activities at schools

Items	Main Counterparts	Main Contents	Times
Discussion with relevant stakeholders (The first discussion on implementation methods for the theoretical lessons)	Department of Transport; Department of Education and Training.	Confirmation on the contents of overall schedule	July ~ September 2017
Discussion with relevant stakeholders (on the contents of the bus service usage guidance class)	Department of Transport; Department of Education and Training; Bus operators, Schools	Confirmation on the contents of the bus service usage guidance class and documents	July ~ September 2017
Discussion with relevant stakeholders (The second discussion on implementation methods for the theoretical lessons)	Department of Transport; Department of Education and Training; Teachers at potential schools.	Confirmation on the contents of the theoretical lessons and	October 2017

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Items	Main Counterparts	Main Contents	Times
		documents	
Organizing the bus service usage guidance class			November 2017

4. MM Activities to encourage Park and Ride usage

In order to introduce a Park and Ride pilot project constructed at Becamex Tower parking in beginning of July 2017, MM activities for potential groups were implemented. The aims were to encourage people using Park and Ride facilities and transferring to use public transport.

The main contents consisted of distribution of Park and Ride leaflets, bus IC card implementation on Kaze bus routes and Kaze bus information. Besides, interview surveys were also conducted.

Table 4. Implementation schedule for MM activities on May 2017

Target Groups	Implemented Contents	Period
Government Officers	Distributed 2000 MM material sets Interviewed 2000 samples	<u>Questionnaire distribution</u> 3rd – 4th May, 2017 <u>Questionnaire collection</u> 15th May, 2017
VGU and EIU Students	<u>EIU Students</u> Distributed 400 MM material sets Interviewed 400 samples <u>VGU Students</u> Distributed 200 MM material sets Interviewed 200 samples	3rd – 10th May, 2017
Motorcycle users at Becamex Tower parking	Distributed 150 MM material sets Interviewed 150 samples	11th – 16th May, 2017
Hoa Loi social apartment	Distributed 2500 MM material sets Interviewed 300 samples	17th – 25th May, 2017

As the implementation schedule for the 2 remaining Park and Ride locations at Le Thi Trung and Binh Duong library is expected to officially operate in the August 2017. Therefore, the further MM activities for such Park and Ride parking are highly recommended to encourage bus usage.

MINUTES OF MEETING
ON
THE 6th JOINT COORDINATION COMMITTEE (JCC)
BETWEEN
THE PEOPLE'S COMMITTEE OF BINH DUONG PROVINCE OF VIETNAM
AND
JAPAN INTERNATIONAL COOPERATION AGENCY
ON
THE PROJECT FOR ENHANCING MANAGEMENT CAPACITY OF
TRANSPORT SYSTEM FOCUSED ON PUBLIC TRANSPORT
IN BINH DUONG PROVINCE

The Department of Transport under the People's Committee of Binh Duong Province of Vietnam (hereinafter referred to as "the DOT") and a mission dispatched from Japan International Cooperation Agency (hereinafter referred to as "the JICA mission") hereby confirm the outcome of *the Project for Enhancing Management Capacity of Transport System Focused on Public Transport in Binh Duong Province* (hereinafter referred to as "the Project") with the Summary of Project Completion Report (hereinafter referred to as "the Report") submitted on 24 May 2018 as attached (Annex 1). The points discussed in the JCC are as follows:

1. Project Completion Report: The JICA Project Team presented the Report and explained the results of the joint review and the required actions to achieve the overall goal after project completion. The main points of the Report are as follows:
 - a. Through the training courses provided in the Project, the study tour in Japan, and the daily work with the JICA Project Team, the DOT has come to recognize that providing subsidy for public transport development and promotion is essential. In the second year of the Project, the DOT prepared the Bus Improvement Plan, which included provisions on subsidy, and submitted it to the People's Committee for its consideration and approval. In May 2018, the DOT has requested the People's Committee to give its final approval of the plan. The results of base line survey and monitoring survey show that the counterpart gained knowledge and expertise through the implementation of the Project.
 - b. The series of public transport improvement measures in the pilot project corridor, such as the optimization of bus routes, development of bus operation diagram, bus stop relocation, and installation of an IC card system, were efficiently implemented on schedule. Knowledge and skill of the counterpart were strengthened through the pilot project implementation.
 - c. Measures to promote public transport usage, such as mobility management activities and park and ride pilot project, were efficiently implemented as well. Because these activities were the first of their kind to be done in Vietnam, the DOT acquired new knowledge and skills for further improvement of the bus services.

The JICA Project Team and the DOT will finalize the Project Completion Report within June 2018 before the completion of the Project.

2. DOT Actions after Project Completion: The DOT explained on the Bus Improvement Plan (Annex 2) which covers year 2018 to 2020 to achieve the overall goal, as follows:
 - a. Soft loan for bus operators for investment in bus vehicles in the period of 2018-2010 (116 bus vehicles on existing bus routes and 19 bus vehicles on new bus routes).

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- b. Subsidy for loan interest over 7 years to invest in new CNG bus vehicles.
- c. Subsidy for monthly commuting pass.
- d. Subsidy for bus user fare.
- e. Investment in technical infrastructure for public transport such as installation of bus stops, paint marking and information signs.
- f. Subsidy for parking fee at terminals (terminal facility fee).
- g. Subsidy to bear a part of bus operating expenses on 3 new bus routes.
- h. Implementation of mobility management activities for gradually changing in travel habit and reduction of private vehicles.

3. Action for Approval of Bus Improvement Plan: With regard to the public transport subsidies as discussed in the 5th JCC meeting, the DOT formulated the Bus Improvement Plan, which includes new bus transport subsidy policies, and submitted it to the provincial people's committee for its consideration and approval. The provincial people's committee convened the meeting and basically agreed to the above contents. Based on the request from the provincial people's committee, the DOT will modify the part of "d. Subsidy for bus user fare" to make clear the management method and prioritization of target bus routes. The DOT will submit the revised Bus Improvement Plan for the approval in June 2018 and aim to start a part of the activities from the third quarter in 2018.

4. Ex-post Evaluation by JICA: JICA conducts post evaluation of ODA projects to assess the relevance, effectiveness, efficiency, impact, and sustainability of each project on the basis of international evaluation criteria (DAC evaluation criteria). These criteria, mentioned in Annex 1, will be used again during the ex-post evaluation. In principle, ex-post evaluations are carried out within three years after project completion to ensure full accountability and to enhance the effectiveness and efficiency of ODA. It was confirmed that JICA and the DOT will cooperate in the implementation of the ex-post evaluation.

In view of the above-mentioned four (4) points, relevant organizations, such as the departments of construction, planning and investment, and finance, as well as the representatives of the Binh Duong PC and Becamex IDC, Becamex Tokyu Bus, etc. agreed to continue to work together with the DOT.


Annex 1: Summary of Draft Project Completion Report

Annex 2: Bus Improvement Plan: Plan for Quality Improvement for Bus based Public Transport in Binh Duong in the Period of 2018-2020

24 May 2018



Ms. TAKAHASHI Junko
Senior Representative
Vietnam Office
Japan International Cooperation Agency



Mr. Tran Ba Luan
Director
Department of Transport
Binh Duong People's Committee