
국외출장 결과보고서

2012. 12.

국토연구원

I 국외출장 개요

1. 목적

- 필리핀 마닐라 민자도로 유지관리 비용 및 산정방식 등 관련자료 확보 및 PPP 사업의 주요 전략 파악
- PPP 센터 방문과 협의회 참석
- 민자도로 운영현장 방문

2. 출장기간

- 2012.12.27 ~ 30 (3박4일)

3. 대상국가 및 방문기관

- 대상국가 : 필리핀 마닐라
- 방문기관 : 필리핀 PPP 센터, NAIA Expressway

4. 출장자

- 오성호 연구위원(국토인프라연구본부)
- 박종일 연구원(국토인프라연구본부)

5. 출장일정

월 일	출발지	도착지	방문 기관	업무수행내용
12월27일 (목)	인천	필리핀 (마닐라)		현지 도착(12:00)
28일(금)		필리핀 (마닐라)	PPP 센터	PPP 센터 방문 회의 - 만자도로 유지관리비내역 및 산정방식 파악 - 필리핀의 만자도로 건설계획 파악
29일(토)		필리핀 (마닐라)	NAIA Express way	NAIA Expressway(Skyway) 방문 조사
30일(일)	필리핀	인천		귀국(17:00)

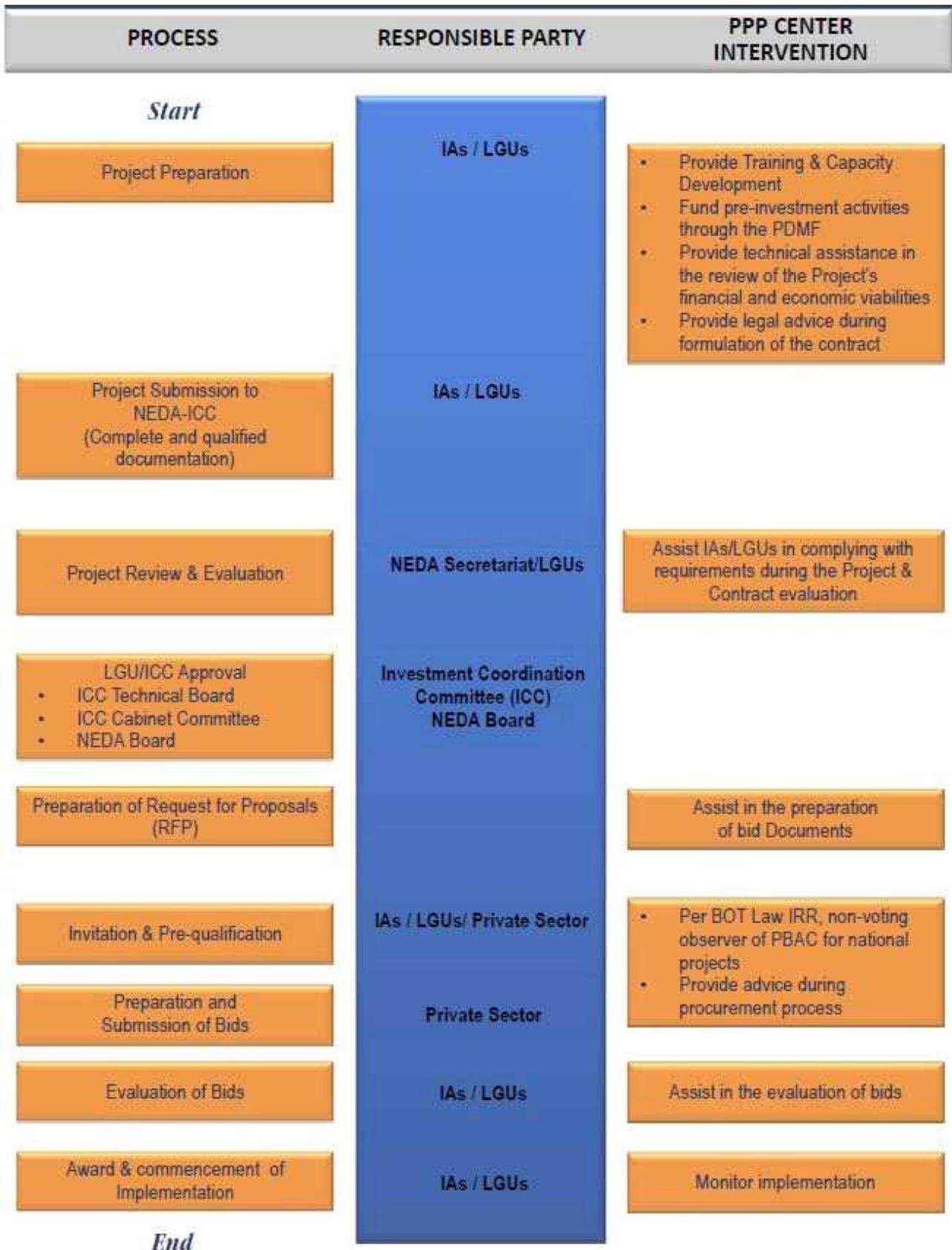
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필리핀 PPP 센터 방문

가. 필리핀 PPP(Public-Private Partnership Program) 센터 개요

- 필리핀 PPP센터는 Department of Public Works and Highways의 민간투자 사업 전담부서임
- 교통, 도로, 수자원, 건강, 농업, 교육 등 다양한 분야의 민간투자사업을 전담하여 추진중이며, 교통 및 도로 부문의 사업이 전체 60% 수준임
 - 교통(8개 프로젝트)
 - LRT Line 1 Cavite Extension and Operation and Maintenance
 - Automatic Fare Collection Systems
 - Mactan-Cebu International Airport Passenger Terminal Building 등
 - 도로(4개 프로젝트)
 - NAIA Expressway
 - Cavite-Laguna Expressway
 - NLEX-SLEX Connector
 - Rehabilitation of Quirino highway project

나. 필리핀 PPP 사업 추진 절차



다. 회의참석자

- 권우현 (Advisor, Philippine Public-Private Partnership Center, DPWH)
- 문진수 (Research Fellow, Asian Development Bank)

라. 주요 회의 결과

- 필리핀의 PPP 사업은 초기 단계로 사업의 선정, 추진절차 등에서 많은 문제점이 발생하고 있으나, 한국 등 주요 선진국의 케이스 스터디를 통해 제도개선을 꾸준히 추진중임
- 필리핀의 SOC 예산은 매우 부족한 상황으로 효율적인 교통 인프라 확충을 위한 민간투자사업 확대가 필수적임
 - 현 아키노 대통령은 교통 인프라의 대대적 확충을 통한 필리핀의 경쟁력 강화를 제창함
- 따라서, 민간투자사업 활성화를 위한 제도개선 및 사업발굴을 위해 많은 정책적 노력을 경주하고 있음
- 고속도로 사업의 경우, 짧은 구간의 사업이 많고, 교통부문의 경우 경량전철의 확충과 공항 여객터미널 건설 등에 집중하고 있음
- 한국에서 발생하고 있는 민간사업자에 대한 막대한 운영손실보상을 방지하기 위한 제도적 장치 마련을 고민하고 있음
- 고속도로 민간투자사업 참여를 위하여 한국도로공사 등 많은 한국 기관들이 사업을 추진하고 있으며, 국외의 유명 건설사 등도 필리핀 PPP 사업에 막대한 관심을 갖고 참여하고 있음
- 장기적으로 필리핀의 PPP 사업은 필리핀의 안정적인 경제발전과 더불어 한국 도로건설 분야의 새로운 수원이 될 가능성이 높음

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NAIA Expressway

○ 사업목적

- MIA/NAIA 지역의 현재 및 장래 교통문제 해소
- 남루손 고속도로(the South Luzon Expressway (SLEX)/Skyway), 마닐라-캐비트 고속도로(the Manila-Cavite Toll Expressway (CAVITEX)), PAGCOR 시와의 끊임없는 간선도로망 구축

○ 사업방식 : BTO(Build-Transfer-Operate_

○ 사업비 : 377.6 백만달러(USD)

○ 운영기간 : 30년(건설기간 포함)

○ 차로수 : 4차로

○ 연장 : 10km(NAIA 터미널(국제공항)~Manila-Cavite Toll Expressway)



III 별첨(Status of PPP Projects)

STATUS OF PPP PROJECTS
AS OF 25 OCTOBER 2012

a.	Project Name	Total		Government		Processes/Activities	Timelines
b.	Description	Project Cost		Support			
1.	Tarlac-Pangasinan-La Union Toll Expressway (TPLEX)	P 12.47	B	• ROW P 793 M		<ul style="list-style-type: none"> Bidding was conducted Notice of Award (NOA) was issued NOA was accepted by PIDC Notice to Proceed (NTP) to construct Section I were issued to contractors corresponding to sections with available Right-of-Way on the following dates: Six (6) contractors were awarded construction contract and mobilized at project site. Five (5) contractors have on-going embankment works from selected borrow while one (1) contractor is undertaking clearing and grubbing, verification survey of the horizontal & vertical control points & sampling/testing of embankment materials. Overall Actual Accomplishment of Section I is 68.95% Phase I schedule of completion (Tarlac-Rosales, Pangasinan) 	<ul style="list-style-type: none"> November 20, 2007 February 15, 2008 February 19, 2008 July 26, 2010, November 30, 2010, January 13 & 24, 2011 2010 October 2012 May 2013
	<ul style="list-style-type: none"> Scope of works covers the construction of 88.15 kms. (from Tarlac to Rosario, La Union) of a new 2-lane to 4-lane, 3.65 meter carriageway and includes: <ul style="list-style-type: none"> installation of RCPC for drainage slope protection Interchange structures Waterway bridge structures Underpass structures for road crossings Toll facilities Miscellaneous Structures Phase II will be widening to 4 lanes when Phase I capacity reaches 25,000 vehicles per day 	\$ 290.00	M.	• Cash Subsidy P 2,907 M			
2.	Daang Hari – SLEX Link Project	P 1.96	B	• ROW P 177.30 M		<p>(Concessionaire)</p> <ul style="list-style-type: none"> Issuance of Notice of Award Signing of the Toll Concession Agreement Design and Construction Operation <p>Project Status:</p> <p>Concession Agreement was signed last 02 April 2012 by DPWH and Ayala Corporation, the Concessionaire of the project. Detailed Design for Segment 2 and Pre-Construction activities already commenced</p>	<ul style="list-style-type: none"> December 22, 2011 April 02, 2012 April 2012-October 2013 November 2013
	<ul style="list-style-type: none"> New 4 kilometer, 4-lane paved toll road that will pass through the New Bilibid Prison reservation that will connect Bacoor, Cavite to the South Luzon Expressway (SLEX) thru Susana Heights. 	\$ 45.58	M	• New Bridge Across SLEX P 70.50 M			
				• Expansion of Toll Plaza P 30.00 M			
				• Contingent P 50.00 M			
				Liability for the Advance	Liability for the Advance Works		

			Works	Adv anc e W ork s	
			TOTAL P 338.44 M		
3.	NLEX-SLEX Link Connector – • Construction of a 13.53 km 4-lane elevated expressway to link the existing NLEX and SLEX passing through Metro Manila and utilizing the existing PNR alignment as its route. • Mostly elevated structure	P 25.556 B \$ 570.00 M	• ROW P 4,760 M	<ul style="list-style-type: none"> Resume DPWH-MPTDC negotiations Conclude negotiations between DPWH and MPTDC (8 weeks) DPWH Endorsement to NEDA/ICC Approval by NEDA/ICC (15 days) Advertisement for Letter of Interest (LOI) for Prequalification and Bid (21 days) Preparation and Submission of Comparative Proposals (90 days) Evaluation of Comparative Proposals (21 days) Original Proponent to match the best proposal Resolution of Award (7 days) Notice of Award (including compliance of conditions and requirements by winning bidder (30 days) Approval of Contract Issuance of Notice to Proceed Detailed Engineering Design Construction (30 months) 	<ul style="list-style-type: none"> 14 July 2012 12 September 2012 13 September 2012 14-28 September 2012 01 October to 22 October 2012 23 October 2012 to 21 January 2013 22 Jan. - 11 Feb. 2013 12 February to 18 February 2013 19 February 2013 to 20 March 2013 21-25 March 2013 26 March 2013 27 March 2013 to December 2013 January 2014 to June 2016
4.	NAIA Expressway – • Starts from Sales Road going to Andrews Avenue, Domestic Road, MIA Road and ends at Macapagal Boulevard/PAGCOR Entertainment City • Total Length: 7.15 kms. including ramps • No. of Lanes: 4-lanes • Viaduct Width: 20 meters • Right-of-Way: 30 meters • On Ramps: 6 • Off Ramps: 6 • Entertainment City Works • Total Length: 2.22 kms. at-grade road • No. of Lanes: 6-8 lanes	P 15.52 B \$ 360.93 M	• ROW P 1,021.76 M • IC P 113.89 M	<ul style="list-style-type: none"> Site Visit Pre-Bid Conference Submission of 1st batch of queries/comments First Round of One-on-One Meetings with Bidders Release of Revised Concession Agreement Submission of 2nd Batch of Queries/Comments Second Round of One-on-One Meetings with Bidders Release of Final Concession Agreement Bid Proposals Submission Date Bid Evaluation Issuance of Notice of Award Submission of Post Award Requirements 	<ul style="list-style-type: none"> To be announced 04 December 2012 not later than 30 November 2012 6-7 December 2012 18 December 2012 Not later than 11 January 2013 15-16 January 2013 01 February 2013 26 February 2013 March 2013 02 April 2013 Within 30 days after issuance of Notice of Award

					<ul style="list-style-type: none"> • Acceptance of Notice of Award • Signing of Concession Agreement 	<ul style="list-style-type: none"> • 30 April 2013 • Not later than 7 days after notification of compliance with Post-Award Requirements
5.	<p>Cavite-Laguna (CALA) Expressway</p> <p>PPP Section</p> <ul style="list-style-type: none"> • Total Length: 36.01 km (Kawit to Sta.Rosa) • No. of Lanes: 4-lanes • Right-of-Way: 60 meters • Interchanges: 5 grade separated interchanges • Structures: 7,928 meter total length of bridges <p>ODA Section</p> <ul style="list-style-type: none"> • Total Length: 11.01 km (Sta.Rosa to Mamplasan) • No. of Lanes: 4-lanes • Right-of-Way: 60 meters • Interchanges: 4 grade separated interchanges • Structures: 7,279 meter total length of bridges 	<p>P 40.29 B</p> <p>\$ 936.98 M</p>	<ul style="list-style-type: none"> • ROW P 9.44 B • 50% IC Cost P 0.073 B • Total Gov't Subsidy P 20.15 B (50% of Total Cost) 	<ul style="list-style-type: none"> • Project Approval • Start of Bidding Process • Contract Award • Design • Construction • Start of Operation • Concession Period <p>Project Status:</p> <ul style="list-style-type: none"> • The project was approved by NEDA-ICC Joint TB and CC meeting last July 12, 2012. • For approval by NEDA Board 	<ul style="list-style-type: none"> • September 2012 • October 2012 • April 2013 • June 2013 to June 2014 • June 2014 to August 2017 • August 2017 • 35 years (including construction period) 	
6.	<p>C-6 Extension (Flood Control Dike Expressway)</p> <ul style="list-style-type: none"> • Construction of a 43.6 km, 4-lane road dike from the coastal area of Laguna de Bay from Taguig, Rizal to Los Baños, Calamba. 	<p>P 18.59 B</p> <p>\$ 432.33 M</p>	<ul style="list-style-type: none"> • ROW P 4.17 B 	<ul style="list-style-type: none"> • Business Case Study • Feasibility Study • Detailed Design and Construction <p>Project Status:</p> <ul style="list-style-type: none"> • Finalization of the Business Case Study Report is on-going to be submitted by November 2012 	<ul style="list-style-type: none"> • Jan.2012 - Sept. 2012 • Jan.-December 2013 • 2014-2016 	
7.	<p>Calamba-Los Baños Toll Expressway</p> <ul style="list-style-type: none"> • Construction of a 4-lane, 15.5 km expressway that starts at SLEX Extension (Calamba Exit to Sto. Tomas) traverses along Laguna de Bay and ends up connecting a national road at Bay, Laguna. 	<p>P 5.15 B</p> <p>\$ 119.77 M</p>	<ul style="list-style-type: none"> • ROW P 1.41 B 	<ul style="list-style-type: none"> • Business Case Study • Feasibility Study • Detailed Design and Construction <p>Project Status:</p> <p>Consultancy Services for the Business Case Study already commenced last January 2012. Consultation with various stakeholders is on-going.</p>	<ul style="list-style-type: none"> • Jan.2012 - Sept. 2012 • Jan.-December 2013 • 2014-2016 	
8.	<p>C-6 Expressway and Global Link (South Section)</p> <ul style="list-style-type: none"> • Construction of a 6-lane expressway from 	<p>P 44.59 B</p> <p>\$ 1,036.98 M</p>	<ul style="list-style-type: none"> • ROW P 3.99 B 	<ul style="list-style-type: none"> • Feasibility Study (FS) completed • Supplemental Study to re-evaluate Phase I (Sucatto Marcos Highway) • Submission to NEDA 	<ul style="list-style-type: none"> • January 2012 • June - September 2012 • October 2012 	

	<p>Quirino Highway, San Jose del Monte to Sucat, Muntinlupa. Major facilities include 7 interchanges, 2 junctions, and 2 main toll plazas. Design speed is 100 km/hr for expressway and 50 km/hr for ramps</p> <p>L = 59.5 kms. (including Global City Access Link Road with a total of 3 kms.) No. of lanes = 4-6</p>				<ul style="list-style-type: none"> • NEDA review and approval • Detailed Design and Construction <p>Project Status:</p> <ul style="list-style-type: none"> • Supplemental Study to re-evaluate Phase I (Sucatto Marcos Highway) is on-going. This will be completed on October 2012. 	<ul style="list-style-type: none"> • November 2012 • 2013 - 2016
9.	<p>Central Luzon Link Expressway (CLLEX), Phase 1</p> <ul style="list-style-type: none"> • Construction of a 4-lane expressway with a total length of 30.7 kilometers to decongest traffic at Daang Maharlika • This will support development of regional urban centers in Central Luzon and the Pacific Ocean Coastal Areas in order to decrease overconcentration of socio-economic activities in Metro Manila • CLEX forms an important lateral (east-west) link of overall High Standard Highway (or Expressway) Network within the 200 km radius from Metro Manila. It diverges from SCTEx at 2.5 km north of Luisita Interchange and traverses flat plain of Central Luzon in the east-west direction, then passes Cabanatuan City and ends at San Jose City in Region III. Phase I ends at Cabanatuan City and Phase II at San Jose City. 	<p>P 15.91 B</p> <p>\$ 370.05 M</p>	<ul style="list-style-type: none"> • ROW P580.76 M • Civil Works and Others P 14,454.33M • Consultancy P712.01 M • Admin. Cost P165.33 M Total P 15,912.43M 	<ul style="list-style-type: none"> • Shortlisting of Detailed Design Consultant is under process • Submission of Bids • Selection of Detailed Design Consultant • Detailed Design • ROW Acquisition • Selection of C/S Consultant • Selection of Contractor • Construction • Operation and Maintenance proposed under PPP scheme <p>Project Status:</p> <ul style="list-style-type: none"> • Loan Agreement already signed last March 30, 2012 between the Philippine Government and the Government of Japan. The construction of this project will be financed through ODA while the Operation and Maintenance (O & M) will be under PPP. Procurement for Consultancy Services for the conduct of detailed engineering is on-going. 	<ul style="list-style-type: none"> • July 2012 • July 26, 2012 • Feb. - Sept. 2012 • Oct. 2012 - Sept. 2013 • Mar. 2013 - Aug. 2014 • Jan. - Aug. 2014 • Sept. 2013 - Aug. 2014 • Sept. 2014 - Dec. 2016 • 2017 - onwards 	
10.	<p>Central Luzon Link Expressway (CLLEX) Phase 2</p> <ul style="list-style-type: none"> • The project is an extension of CLLEX Phase 1 and will connect Cabanatuan City to San Jose City in Nueva Ecija Province. It will contribute to the development of the regional growth centers in Central and Northern Luzon areas and also aims to decrease overconcentration in Metro Manila for socio-economic activities. It will also provide faster and safer access to Region II. 	<p>P 14.20 B</p> <p>\$ 330.23 M</p>	<ul style="list-style-type: none"> • To be determined 	<p>Project Status:</p> <ul style="list-style-type: none"> • Feasibility Study • Procurement for the Consultancy Services of the Business Case Study • Shortlisting of Consultants • Submission of Technical and Financial Proposal • Award • Business Case Study 	<ul style="list-style-type: none"> • January 2012 • April 2012 • May 2012 • July 2012 • November 2012 • December 2012 - May 2013 	

				<ul style="list-style-type: none"> Project Status: Feasibility Study was completed under the existing Japanese Yen Loan. Post Qualification for the conduct of the Business Case Study of the Consultant with the highest rated bid is on-going. Business Case Study to start by January 2013 to June 2013 	
<ul style="list-style-type: none"> Total Length: 35.70 km. No. of Lanes: 2-lanes 					
<p>11. Kennon O&M</p> <ul style="list-style-type: none"> This project involves upgrading and improvement of the landslide prone sections of Kennon Road and Marcos Highway and operates as toll roads. Kennon Road has a length of 33.69 kms. while Marcos Highway has a length of 47.17 kms. having a total combined length of 80.86 kms. These roads start at Rosario and Agoo, La Union, respectively and both ends at Baguio City. 	To be determined	<ul style="list-style-type: none"> To be determined during the conduct of the study 	<p>Project Status:</p> <ul style="list-style-type: none"> Procurement for the consultancy services of the business case study is on-going. Shortlisting of Consultants Submission of Bids To date, Technical Proposals submitted by the shortlisted Consultants are under evaluation 	<ul style="list-style-type: none"> March 2012 July 2012 July 26, 2012 	
<p>12. R7 Expressway</p> <ul style="list-style-type: none"> The project will be constructed over one of the most heavily congested corridors in Metro Manila, namely Quezon Avenue and Don Mariano Marcos Avenue. Will connect Quezon City and Manila City with high speed transport facility, thus decongest traffic of at-grade road. It will be partially elevated and partially underground expressway with 4 lanes and 16.1 km length. 	To be determined	<ul style="list-style-type: none"> To be determined during the conduct of the study 	<ul style="list-style-type: none"> Procurement for the consultancy services of the business case study is on-going. Shortlisting of Consultants Submission of Bids To date, Technical Proposals submitted by the shortlisted Consultants are under evaluation 	<ul style="list-style-type: none"> March 2012 July 2012 July 26, 2012 	
<p>13. NLEX East Expressway</p> <ul style="list-style-type: none"> The project consists of Phase I and II and will form an important transport access in the eastern area of Region III. NLEX East Expressway is up to Cabanatuan City starting from the end point of La Mesa Parkway and/or junction of C-6 in San Jose del Monte via Norzagaray, Angat, San Ildefonso, San Miguel, Gapan, and Sta. Rosa in parallel with the Pan Philippine Highway. Bridges 	<p>P 15.77 B</p> <p>\$ 366.74 M</p>	<ul style="list-style-type: none"> To be determined during the conduct of the study 	<ul style="list-style-type: none"> Procurement for the consultancy services of the business case study is on-going. Shortlisting of Consultants Submission of Bids To date, Technical Proposals submitted by the shortlisted Consultants are under evaluation 	<ul style="list-style-type: none"> March 2012 July 2012 July 26, 2012 	

	<p>will be required for the project to cross Angat River, Peñaranda River and Pampanga River.</p> <ul style="list-style-type: none"> Length:6.8km(includingramps) No. of Lanes: 2 to 4 				
14.	<p>Improvement/Rehabilitationofthe Quirino Highway Project</p> <ul style="list-style-type: none"> The project consists of the improvement/rehabilitation and Operation and Maintenance of Quirino Highway, a 93.45 km., 2 lanes national road that traverses three (3) provinces, namely Quezon, Camarines Norte, and Camarines Sur. It starts at the junction of Pan Philippine Highway in Sipocot, Camarines Sur. 	To be determined	<ul style="list-style-type: none"> to be determined 	<p>Project Status:</p> <ul style="list-style-type: none"> Issuance of Request for Proposal (RFP) (PPP Center) Deadline for Submission of Technical (TP) and Financial (FP) Proposals (Panel of Firms) Public Opening of TP's (SBAC) Evaluation of TP's (SBAC) Presentation/Approval of TP's Evaluation (SBAC, SBAC-TWG) Public Opening of FP's (SBAC) Evaluation of FP's (SBAC-TWG) Approval of FP's Evaluation (through a referendum) (SBAC) Contract Negotiations (SBAC) Commencement of Services (winning Transaction Advisor) Kick-off Meeting (PSC) 	<ul style="list-style-type: none"> 06 August 2012 27 August 2012 27 August 2012 27-30 August 2012 31 August 2012 10 September 2012 10 September 2012 11 September 2012 19 September 2012 26 September 2012 TBD
15.	<p>Tagum-Davao-General Santos High Standard Highway</p> <ul style="list-style-type: none"> Widening to 4-lane divided road for Tagum-Davao Road, flyover construction within Davao City, construction of second diversion road, widening of Davao, Digos, and Gen. Santos Section and construction of Gen. Santos City Circumferential Road. 	To be determined	<ul style="list-style-type: none"> to be determined 	<p>Project Status:</p> <ul style="list-style-type: none"> Business Case Study Feasibility Study Detailed Design and Construction 	<ul style="list-style-type: none"> Jan.2012 - Sept. 2012 Jan.-December 2013 2014-2016
16.	<p>Cebu- North Coastal Road</p> <ul style="list-style-type: none"> Construction of a 7.88 km. road from Cansaga to Lilo-an Poblacion, Cebu City 	To be determined	<ul style="list-style-type: none"> to be determined 	<p>Project Status:</p> <ul style="list-style-type: none"> Business Case Study Feasibility Study Detailed Design and Construction 	<ul style="list-style-type: none"> Jan.2012 - Sept. 2012 Jan.-December 2013 2014-2016
17.	<p>PPP Bridges in Luzon, Batch 1</p> <ul style="list-style-type: none"> Given that this is the first bridge project under 	To be determined	<ul style="list-style-type: none"> to be determined 	<ul style="list-style-type: none"> Submission of Batch 1 Screening Results (Batch 1 composes of Regions III, IV-A & V) Completion of Joint Review of Batch 1 	<ul style="list-style-type: none"> 14 September 2012 18 September 2012

	<p>the PPP framework, the DPWH proposes to implement a pilot test in Luzon. In connection therewith, the Planning Service initially recommended 139 selected bridges in Luzon for replacement and new construction. By tapping private sector resources and skills in the financing, design, and construction of the selected various types of bridges, the project is expected to improve, and provide direct, uninterrupted access to and between outlying barangays, municipalities and cities, thereby facilitating the transport of goods and services among them. The project will also lower the transport costs of the products.</p>			<p>Screening Results (Joint Review to be conducted by Bureau of Design (BOD), Consultant and REID)</p> <ul style="list-style-type: none"> • Submission of Inception Report (Inception Report includes Screening Results) • Submission of Batch 1 Preliminary Engineering Survey (PES) Report • Completion of the Review of the PES Report (Review to be conducted by BOD) • Submission of Batch 1 Basic Conceptual Design (BCD) Report (The Consultant to provide design and cost comparison (steel vs. concrete) as part of Basic Design Report of at least two alternatives • Completion of the review of BCD Report (Review to be conducted by the BOD) • Completion of Business Case Report 	<ul style="list-style-type: none"> • 19 September 2012 • 16 November 2012 • 23 November 2012 • 03 December 2012 • 17 December 2012 • 20 December 2012
18.	<p>School Buildings</p> <ul style="list-style-type: none"> • A Finance-Design-Build Scheme is being studied whereby the contractor undertakes the financing, design, and construction of a package of classrooms and after completion, turns it over to DEPED which shall pay the contractor, and/or financier, its total investment plus a reasonable rate of return on an agreed schedule. • The project is to partially construct 9,630 classrooms to fill-up the 60,000 classrooms backlog. • Total classrooms - 9,301 classrooms 	<p>P 10.04 B \$ 233.49 M</p>	<ul style="list-style-type: none"> • Land 	<ul style="list-style-type: none"> • Issuance of DPWH Memo Circular No. 1 S. 2012 to expedite issuance of Building Permits for PSIP classrooms • Submission of Pre-qualification documents • Pre-bid Conference • Submission of Technical and Financial Proposals • Signing of Contract Agreement • Opening of Bids • Issuance of Notice to Proceed • Construction complete deadline <p>Note:</p> <p>Per DepEd and DOF as of June 05, 2012, the DBM has verbally agreed to consider limp sum appropriation in the GAA for Y2012 or Y2013, but still 10-year repayment to the winning bidders. This is to address the concerns/issues against the 10-year MYOA.</p>	<ul style="list-style-type: none"> • March 20, 2012 • April 11, 2012 • May 14, 2012 • July 2012 • August 08, 2012 • July 18, 2012 • w/in 2 mos. after signing of CA • August 14, 2013
19.	<p>STAR Project Construction of Stage II, Phase 2 and Improvement of Stage I</p> <ul style="list-style-type: none"> • Proponent is STAR Infrastructure Development Corporation (SIDC) • A20-km4-lanetollroadincluding interchanges, fence, overpasses, and related toll facilities, from Lipa to Batangas City and operation and maintenance of the entire 40km STAR from Sto. Tomas to Batangas City 	<p>P 1.95 B \$ 45.35 M</p>		<ul style="list-style-type: none"> • Approval of the construction of proposed additional works by the Toll Regulatory Board (TRB) • Procurement of Project Management Consultant (PMC) has been completed. TCGI is the PMC. • Procurement of Contractor/s by STAR Infrastructure Development Corp. (SIDC) • Tentative Start of Construction 	<ul style="list-style-type: none"> • May 24, 2012 • completed • on-going • January 2013