

THE SOCIALIST REPUBLIC OF VIETNAM
Independence-Freedom-Happiness

DANANG – QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
ACCEPTANCE MINUTE OF CONSULTING SERVICE CONTRACT

Vinh, 29th December 2014

Based on the Consultancy Service Contract which was signed between Project Management Unit No. 85 (PMU85) and Joint Venture of Nippon Koei Co., Ltd; Nippon Engineering Consultants Co., Ltd.; Chodai Co., Ltd and Thai Engineering Consultants Co., Ltd. (Joint Venture of NK-NEC-CHODAI-TEC) on 15 November 2011, and subsequent Contract Addendum No.1 dated 27th December 2011; Contract Addendum No.2 dated 29th November 2012; Contract Addendum No.3 dated 30th January 2013; Contract Addendum No.4 dated 26th April 2013, Contract Addendum No.5 dated 31st July 2013, Contract Addendum No.6 dated 9th January 2014, Contract Addendum No.7 dated 8th December 2014, and Contract Addendum No.8 to be signed within December 2014.

Based on the Minutes of Acceptances have been issued for the Consultant performances, time to time, by PMU85 and other authorities.

Based on the contents, quantity of submitted documents.

PMU 85 and Joint Venture of NK-NEC-CHODAI-TEC agreed to make the Minutes of Acceptance and settlement the pending issues with contents as follows :

1. Members in the Acceptance

a) Project Owner: Project Management Unit– PMU85:

Mr. Phạm Duy Khánh	Deputy General Director, PMU85
Mr. Phan Duy Khánh	Project Manager, PMU85
Mr. Lê Trọng Độ	Vice Project Manager, PMU85
Mr. Lê Anh Tuấn	Project staff, PMU85

b) The detailed design Consultant: Joint Venture of Nippon Koei Co., Ltd; Nippon Engineering Consultants Co., Ltd.; Chodai Co., Ltd and Thai Engineering Consultants Co., Ltd. (Joint Venture of NK-NEC-CHODAI-TEC).

Mr. Ishimoto Ichizuru	Project Manager
Mr. Fukuoka Hidekazu	Chief Representative of NK Hanoi Office

2. Objects to be accepted

Based on the Terms of Reference (TOR), Items to be accepted are:

- Review of previous studies (TOR 3.2);
- Contract Packaging (TOR 3.3.1);
- Surveys and investigations (TOR 3.3.2);

- Detailed design of road, bridges and other structures (TOR 3.3.3);
- Study and design of ITS and toll collection system (TOR 3.3.4);
- Expressway operations and maintenance (TOR 3.3.5);
- Review and updates of EIA, EMP, EMDP and RAP (TOR 3.3.6);
- Construction method and schedule (TOR 3.3.7);
- Cost estimate (TOR 3.3.8);
- Pre-qualification, bidding and contract documents (TOR 3.3.9);
- Preparation of Implementation Program (TOR 3.3.10);
- Procurement Assistance (TOR 3.4);
- Staking of land acquisition to hand-over to local authorities (TOR 3.5); and
- Training and Technology Transfer (TOR 3.6)

3. Time of Acceptance

Start: Date 29 Month 12 Year 2014
 Finish: Date 29 Month 12 Year 2014
 Location: PMU85 Vinh Head Office

4. Evaluation of the Consultant's Mobilization

Staffs of all positions and numbers were mobilized by the Consultant and they were approved as stipulations in the Contract; moreover, in order to meet the requirements of works, the Consultant proposed and mobilized more staffs to carry out his scope of works. Detailed mobilization record of the consultant is summarized in **Appendix-1: Consultant Mobilization Record.**

5. Evaluation of the Submitted Reports:

a) Quality

The submitted documents prepared by the Consultants comply with provisions in Consulting Service Contract signed on 15 November 2011, and subsequent Contract Addendum No.1 dated 27th December 2011; Contract Addendum No.2 dated 29th November 2012; Contract Addendum No.3 dated 30th January 2013; Contract Addendum No.4 dated 26th April 2013, Contract Addendum No.5 dated 31st July 2013, Contract Addendum No.6 dated 9th January 2014, Contract Addendum No.7 dated 29th December 2014, and in compliance with the applicable standards and specifications.

All submitted documents have been reviewed and approved as shown in **Appendix-2: List of Acceptance Minutes.**

b) Completed works as TOR

(1) Review of previous studies and establishing the detailed design framework (TOR 3.2)

The consultant completed review of the previous studies for civil design, ITS and O&M, site-specific social and environmental impacts as requirements in TOR including of:

- a. Review of horizontal and vertical alignment and proposed structures.
- b. Review site-specific social and environmental impacts identified in the Environmental Impact Assessment (EIA) prepared by PMU85 and the mitigation measures proposed in the associated Environmental Management Plan (EMP).
- c. Review construction phasing and management of traffic during construction.
- d. Review toll operation and control facilities, operation and maintenance facilities and services, service areas, parking areas.

After review, the Consultant studied and proposed modification of the alignment for 8 sections; replacing some overpasses by the culverts, decreasing the number of bridges from 127 bridges with length 12,816.9m to 103 bridges with length 9,076.5m.

Detailed of review results is in the Appendix 2: **List of Acceptance Minutes**-item 2.2; Table 1.1

Technical standards of the project were updated, modified and submitted by the Consultant and they were approved by MOT by the Decision no.362/QĐ-BGTVT dated 20/02/2009, Decision no.727/QĐ-BGTVT dated 06/04/2012, and Decision no.994/QĐ-BGTVT dated 16/04/ 2013 updated the previous approval. Details is as in Appendix 2: Table 1.2

(2) Contract Packaging (TOR 3.3.1)

Contract packaging is completed and accepted by JICA and WB and approved by MOT by the Decision no. 1708/QĐ-BGTVT dated 23/7/2012 and 2403/QĐ-BGTVT, Details is as in Appendix 2: Table 2.1.1

(3) Surveys and investigations (TOR 3.3.2)

Topographic survey, engineering geological survey, hydrological survey and other survey were carried out in accordance with Contract, scope of survey and survey quantity ensured the quality, enough data for detailed design. Outcome as in Appendix 2: Table 2.2.1 – 2.2.7

(4) Detailed design of road, bridges and other structures (TOR 3.3.3)

Bridges, culverts on the road were studied, the site conditions and requirements such as hydrological, hydraulic, clearance etc. were updated. Based on that, the Consultant submitted, revised and finalized the detailed design reports for each packages in accordance with the approval decisions of VEC. Detail is in Appendix 2: Table 2.3.

(5) Study and design of ITS and toll collection system (TOR 3.3.4)

Design of ITS and toll collection system were carried out and completed in accordance with the procedure and stipulations in TOR, and the proposal of the Consultant by the EPC scheme and completed work was confirmed by VEC in the letter no.4728/VEC-KTCNMT dated 25/12/2014. Detail is in Appendix 2: Table 2.4.

(6) Expressway operations and maintenance(TOR 3.3.5)

All conceptual design and basic design documents were completed and approved. Detail is in Appendix 2: Table 2.5

(7) Review and updates of EIA, EMP, EMDP and RAP (TOR 3.3.6)

The updated EIA and EMP Reports have been completed and approved by MONRE and WB. As for RAP reporting, the Detail Design Consultant has carried out necessary consulting services. However, the relevant local authorities have not yet completed their land acquisition work resulting in unavailability of data for finalization of RAP, although the Consultant has sufficiently mobilized his personnel even beyond the period stated in the Contract. So far the Consultant has completed 100% of the works for packages 3A, A1, and A4. Reports for other packages have been submitted to the Client with uncompleted status.

Taking into account the completed work volume of RAP, both sides agree that the Consultant shall stop his service for RAP with the completed work volume described in Appendix 2, Tables 2.6.1 ~ 2.6.3 and shall transfer the remaining work to VEC. The Consultant shall be responsible for providing necessary documents/reports to VEC for his follow-ups based on the completed work volume agreed in this Minutes. In the Consultant's opinion, if such remaining work were to be carried out by the same Consultant, only few inputs would be required, and the Consultant is ready to finalize RAP work at VEC's request, if any.

Both sides hereby confirm that RAP cannot be completed because the relevant local authorities failed to timely provide necessary data, but not due to the Consultant's fault. For the remaining work, PMU85 recommended to deduct M/M of the related experts in proportion with percentage of the uncompleted work volume. Cost deduction was discussed and agreed by both sides in the Contract Addendum for Additional Works.

(8) Construction method and schedule (TOR 3.3.7)

Method Statement reports were completed and approved with the detailed design reports and cost estimate reports for all packages. Detail is in Appendix 2: Table 2.7

(9) Cost estimate (TOR 3.3.8); Pre-qualification, bidding and contract documents (TOR 3.3.9)

All cost estimate reports were completed by the Consultant and approved by VEC. For packages 14A,14B and PKG 13, cost estimate reports were completed and PMU85 submitted to VEC, but due to procurement for these packages has not been done, VEC has not approved the cost estimate reports of these packages; VEC issued the letter to confirm the completion of these works. Detail is in Appendix 2: Table 2.8

(10) Preparation of Implementation Program (TOR 3.3.10)

Implementation program had been updated and submitted timely during the services.

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(11) Procurement Assistance (TOR 3.4)

Procurement assistance had been timely carried out whenever required by the client .

Detail is in Appendix 2: Table 2.9.1 ~ 2.9.2

(12) Staking of land acquisition to hand-over to local authorities(TOR 3.5)

Staking of Right-Of-Way (ROW) and land acquisition were completely carried out and fully handed-over to the local authorities for their land acquisition for the whole project. Detail is in Appendix 2: Table 2.10.

(13) Training and Technology Transfer (TOR 3.6)

Training and technology transfer was satisfactory carried out by both on the job training and off the job. On job training was carried out through daily discussion on management and technical issue of the project. Off job training was carried out through the seminar. Training was carried out as in Table 2.11.1 and Table 2.11.2 of the Appendix 2.

b) The Format and quantity of Design documents

The form of documents is in compliance with Decree No49/2008/NĐ-CP dated 18/04/2008 and requirements of Client (PMU85);

The quantities of submissions are in compliance with Appendix B: Reporting Requirements of the Contract.

Detail is as in Appendix 2 and 3.

6. Outstanding Issues

As of end of December 2014, the followings are still not completed:

1) Basic design report of Package 13

The D.D Consultant shall update and finalise the Basic Design of this package in accordance with the Decision no. 4844/QĐ-BGTVT dated 22/12/2014 regarding to approving the modification of investment project (stage 1) and submit 10 sets – final outcomes before 15/01/2015 and complete the remaining work in accordance with the Contract.

2) Cost estimate report of Packages 14A and 14B

Upon VEC's approval by the letter No.4559/VEC-KTCNMT dated 12th December 2014, the Consultant shall update and submit 10 copies as final outputs.

3) Transfer of RAP services to Supervision Consultant

The Consultant shall finalise and submit sufficient RAP reports for confirmed and the Consultant shall support VEC for the transfer of the RAP service for the remaining task timely and sufficiently, if required by VEC.

4) For other works (out of the above), it is requested the Consultant to finalise and submit enough quantity.

7. Conclusion

Accept the works done by the Consultants in accordance with TOR of the Contract as above mentioned and attached Appendix (including the additional works described in VOs); the completed works satisfy the requirements of quality, technical of the contract as well as the quantity of submittals;

For outstanding issues "Item 6: Outstanding Issues" The Consultant shall carry out, revise, finalize and submit enough quantity in accordance with the approved contents of the appropriate authorities within 15 days after approval .

The parties agreed with the contents of the minutes that is basis for acceptance for payment for the completed works of the Consultant in the Contract No. 01/DD-EDDQP/2011 signed on 15/11/2011 by PMU85 and the Joint Venture of Nippon Koei Co., Ltd; Nippon Engineering Consultants Co., Ltd.; Chodai Co., Ltd and Thai Engineering Consultants Co., Ltd.

THE CONSULTANT



Ishimoto Ichizuru

THE REPRESENTATIVE OF EMPLOYER



Pham Duy Khanh

Appendix-1: Consultant's Mobilization Record

(1) International staffs

a) As contract

No.	Position	Name	Staff-months		
			Contract	Actual	Variance
I1	Project Manager/Team Leader	Ichizuru Ishimoto	14	20.87	6.87
I2	Senior Highway Engineer	Takayasu Nagai	13	23.17	10.17
I3	Road Safety Audit Specialist	Maurice Frederick Burley	3	3.01	0.01
I4	Senior Bridge Engineer	Yoshito Oba	13	15.34	2.34
I5	Highway Engineer 1	Koji Nakai	12	16.74	4.74
I6	Bridge/Structural Engineer 1	Tetsuya Maeda	12	21.21	9.21
I7	Bridge/Structural Engineer 2	Yoshiaki Nakakubo	4	6.07	2.07
I8	Highway Engineer 2	Naresh Sthapit	12	15.37	3.37
I9	Bridge/Structural Engineer 3	Takeyuki Takada	12	14.63	2.63
I10	Bridge/Structural Engineer 4	Kentaro Okuno	4	1	-3
I11	Senior Interchange Specialist	Akira Magario	7	4.1	-2.9
I12	Bridge/Structural Engineer 5	Hiroyuki Yokoyama	11	14.6	3.6
I13	Tunnel Engineer	Wako Noto	4	6.14	2.14
I14	Soil/Geotechnical Engineer 1 (Slope)	Fumio Nakamura	2	0.2	1.8
I15	Soft Ground Treatment Specialist	Yasuhiro Nozue	3	1.13	1.87
I16	Drainage Engineer	Vachira Charanyanon	7	12.05	5.05
I17	River Engineer	David Rojaz	2	1.67	-0.33
I18	Bridge/Structural Engineer 6	Akira Yanagisawa	7	7.26	0.26
I19	Pavement/Material Engineer	Keishi Ihara	4	0.97	-3.03
I20	Survey Engineer	Masashi Suzuki	6	8.27	2.27
I21	Soil/Geotechnical Engineer 2	Ichiro Noguchi	5	12.83	7.83
I22	Geological Engineer (Tunnel)	Seichiro Kanai	2	0.87	-1.13
I23	Senior Hydrologist	Khadananda Lamsal	3	4.9	1.9
I24	Inundation Analyst	Yukishi Tomida	3	0.43	-2.57
I25	Operation & Maintenance Specialist	Kazuya Hiraguri	4	4.03	0.03
I26	Expressway Management Unit Specialist	Yuichi Tsujimoto	2	2.0	0
I27	Traffic Management Specialist	Hisanori Tomitaka	2	1.6	-0.4
I28	Asset Management Specialist	Kyoichi Takeuchi	2	0.3	-1.7
I29	Architect	Yoshinori Yamazaki	3	3.1	0.1
I30	ITS Specialist	Koichi Nishimura	5	5.29	0.29
I31	Communication System Engineer	Masahiro Sakagami	3	1.47	-1.53
I32	Senior Electrical Engineer	Shinichi Ando	7	3.47	-3.53
I33	Toll Collection System Specialist	Masashi Iwamoto	4	4.1	0.1
I34	Construction Planner/Cost Estimator	Masanori Nakagi	11	23.94	12.94
I35	Senior Procurement/Contract Specialist	William John Davy	12	8.87	-3.13
I36	Social and Environmental Specialist	Yasuhira Minami	5	4.73	-0.27
I37	Resettlement Specialist	Vu Ngoc Long	10	18.73	8.73
I38	Training Specialist	Noppong Unhabhokha	4	0	-4
		Total	239	294.5	55.5

b) Out of contract

No.	Position	Name	Mobilized	Demobilized	MM
I2-2	Senior Highway Engineer	Ippei Iwamoto	15/07/2011	05/5/2013	15.22

No.	Position	Name	Mobilized	Demobilized	MM
I7-2	Bridge/Structural Engineer 2	Yoshinori Uchiumi	19/8/2012	31/3/2013	9.56
I9-2	Bridge/Structural Engineer 3	Toshiyuki Osugi	18/4/2012	25/10/2012	2.99
I10	Bridge/Structural Engineer 4	Atsushi Kawamura	15/02/2012	16/5/2012	2.93
I14	Soil/Geotechnical Engineer 1 (Slope)	Motohiro Ura	15/02/2012	05/9/2012	0.60
I14	Soil/Geotechnical Engineer 1 (Slope)	Yutaka Inagaki	06/9/2012	26/9/2012	0.70
I18-2	Bridge/Structural Engineer 6	Kyung Duk Kim	07/01/2013	31/3/2013	2.83
I21	Soil/Geotechnical Engineer 2	Sutham Sattayakom	25/3/2012	12/5/2012	1.63
I24-2	Inundation Analyst	Toru Koike	06/12/2011	23/12/2011	0.60
I24-3	Inundation Analyst	Akira Sasaki	15/11/2011	25/12/2011	1.36
I35	Senior Procurement/Contract Specialist	Uthai Patarasuk	25/3/2012	31/5/2012	2.23
I35-2	Senior Procurement/Contract Specialist	Kenji Nomoto John	15/6/2012	13/7/2012	0.96
		Total			41.61

(2) Domestic Staffs

a) As contract

No.	Position	Name	Staff-months		
			Contract	Actual	Variance
L1	Co-Project Manager	Nguyễn Lam Hồng	14	15.57	1.57
L2	Highway Engineer 1 (Geometric)	Phạm Việt Hùng	13	18.80	5.80
L3	Highway Engineer 2 (Road Structure)	Hà Phước Thuận	13	23.00	10.00
L4	Road Safety Audit Specialist	Nguyễn Anh Phương	3	3.10	0.10
L5	Bridge/Structural Engineer 1 (Superstructure)	Nguyễn Văn Lê	13	26.40	13.40
L6	Bridge/Structural Engineer 2 (Substruct/Foundation)	Cát Trọng Tiến	13	19.00	6.00
L7	Highway Engineer 3 (Geometric)	Hoàng Đức Châu	12	25.00	13.00
L8	Highway Engineer 4 (Road Structure)	Nguyễn Nho Sĩ	12	23.33	11.33
L9	Bridge/Structural Engineer 3	Phan Đức Dũng	4	13.83	9.83
L10	Bridge/Structural Engineer 4	Nguyễn Tâm Đạt	4	17.83	13.83
L11	Highway Engineer 5 (Geometric)	Nguyễn Vũ Mạnh	12	23.50	11.50
L12	Highway Engineer 6 (Road Structure)	Huỳnh Văn Quang	12	17.9	5.90
L13	Bridge/Structural Engineer 5	Hồ Lê Thái	4	16.90	12.90
L14	Bridge/Structural Engineer 6	Lê Thanh Tùng	4	19.83	15.83
L15	Interchange Specialist	Phan Đăng Việt Anh	2	5.79	3.79
L16	Bridge/Structural Engineer 7	Phan Công Thành	3	11.00	8.0
L17	Tunnel Engineer	Nguyễn Quang Toàn	4	1.4	-2.6
L18	Soil/Geotechnical Engineer 1 (Slope)	Quach Thi Thu	2	0	-2
L19	Soft Ground Treatment Specialist	Bùi Xuân Hạnh	3	18.66	15.66
L20	Drainage Engineer 1	Lương Tiến Hùng	7	19.16	12.16
L21	Drainage Engineer 2	Nguyễn Phúc Hòa	6	9.00	3.00
L22	River Engineer	Nguyễn Sơn	2	0	-2
L23	Pavement/Material Engineer 1	Trần Trọng Nghĩa	4	7.0	3.0
L24	Pavement/Material Engineer 2	Nguyễn Việt Hải	4	5.00	1.0
L25	Senior Surveyor 1	Lê Văn Thủ	6	21.87	15.87
L26	Senior Surveyor 2	Đào Trần Châu	5	9.14	4.14
L27	Senior Surveyor 3	Nguyễn Anh Tuấn	5	0	-5
L28	Soil/Geotechnical Engineer 2	Nguyễn Doãn Tĩnh	5	9.73	4.73
L29	Soil/Geotechnical Engineer 3	Lê Xuân Vũ	4	15.23	11.23
L30	Soil/Geotechnical Engineer 4	Trần Duy Khiêm	4	15.23	11.23
L31	Geological Engineer (Tunnel)	Phùng Văn Thời	2	6.47	2.47
L32	Hydraulic Engineer 1	Nguyễn Minh Lương	3	10.62	7.62

No.	Position	Name	Staff-months		
			Contract	Actual	Variance
L33	Hydraulic Engineer 2	Nguyễn Đức Duy	3	16.90	13.90
L34	Inundation Analyst	Nguyễn Ngọc Bách	3	1.63	-1.37
L35	Transport Economist	Trình Đức Thắng	3	3.67	0.67
L36	Operating & Maintenance Specialist	Ha Quoc Hieu	4	0	-4
L37	Expressway Management Unit Specialist	Le Tung Lam	2	0	-2
L38	Traffic Management Specialist	Phan Minh Tuan	3	0	-3
L39	Asset Management Specialist	Trinh Ngoc Hai Thang	2	0	-2
L40	Architect 1	Nguyễn Văn Hòa	3	4.8	1.8
L41	Architect 2	Ngo Vu Quang Khoa	3	0	-3
L42	ITS Specialist	Nguyen Huu Tinh	5	0	-5
L43	Communication System Engineer	Man Thành Nam	3	6	3
L44	Electrical Engineer 1	Trinh Dinh Khiem	7	0	-7
L45	Electrical Engineer 2	Võ Hồng	5	16.29	11.29
L46	Toll Collection System Specialist	Bui Phu Huy	4	0	-4
L47	Cost Estimator 1 (Civil Work Packages)	Văn Hồng Liên	11	19.93	8.93
L48	Cost Estimator 2 (Civil Work Packages)	Hoàng Thanh Minh	8	12.53	4.53
L49	Cost Estimator 3 (Other Packages)	Nguyen Thi Sinh	2	0	-2
L50	Procurement/Contract Specialist 1	Trần Sỹ Hùng	12	27.87	15.87
L51	Procurement/Contract Specialist 2	Ha Ngoc Anh Minh	8	0	-8
L52	Senior Environmental Specialist	Ngô Thế Hùng	8	20	12
L53	Environmental Specialist	Pham The Giang	8	7.9	-0.1
L54	Senior Resettlement Specialist	Nguyễn Mạnh Hà	14	13	-1
L55	Social and Resettlement Specialist	Lâm Đình Uy	14	23.50	9.50
L56	Cultural and Archaeological Specialist	Trần Văn Bình	14	13	-1
L57	Training Specialist	To be named	4	0	-4
		Total	357	616.34	259.34

b) Out of contract:

No.	Position	Name	Mobilized	Demobilized	MM
L12-2	Highway Engineer 7 (Road Structure)	Mai Xuân Ngọc	01/8/2012	31/5/2013	10.00
L12-3	Highway Engineer 8 (Road Structure)	Vũ Anh Tuấn	01/8/2012	31/5/2013	10.00
L16-2	Bridge/Structural Engineer 8	Phạm Kim Mỹ	01/12/2011	28/02/2013	15.00
L16-3	Bridge/Structural Engineer 9	Cao Cự Vinh	01/12/2011	31/10/2013	22.00
L16-4	Bridge/Structural Engineer 10	Lê Kiên Cường	15/7/2012	31/8/2013	13.57
L19-2	Soft Ground Treatment Specialist 2	Nguyễn Trần Hải	01/10/2012	31/8/2013	11.00
L21-2	Drainage Engineer 3	Vũ Trần Sơn	01/6/2012	20/5/2013	11.67
L21-3	Drainage Engineer 4	Nguyễn Xuân Đạt	15/11/2012	31/8/2013	9.53
L21-4	Drainage Engineer 5	Vương Hồng Thắng	15/11/2012	31/8/2013	6.63
L21-5	Drainage Engineer 6	Phạm Văn Quân	15/11/2012	31/8/2013	9.00
L30-2	Soil/Geotechnical Engineer 5	Nguyễn Anh Ngọc	01/8/2012	31/7/2013	12.00
L30-3	Soil/Geotechnical Engineer 6	Đào Quang Huy	01/8/2012	15/01/2013	5.50
L30-4	Soil/Geotechnical Engineer 7	Mai Huy Đạo	01/8/2012	15/01/2013	5.50
	KCS/ road	Nguyễn Mạnh Chung	01/12/2012	14/9/2013	9.47
	KCS/bridge	Nguyễn Đăng Hoàng	18/12/2012	30/9/2013	9.47
		Total			160.33

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3) Summary of mobilization

No.	Position	As contract	Mobilized	Variance
1	International staffs	239	$294.5 + 41.61 = 336.11$	97.11
2	Domestic staffs	357	$616.34 + 160.33 = 776.67$	419.67

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Appendix-2: List of Acceptance Minutes

1.1 Review previous studies (TOR 3.2.1)

Table 1.1

No.	Title	Submitted	Updated
1	Previous study review report, Civil	27/2/2012	R1 (23/3/2012)
2	Brief report on environmental consideration	13/3/2012	R1 (25/3/2012)
3	ITS Review Report	31/10/2012	---
4	O&M Review Report	1/11/2012	---
5	Finalization of Alignment Report	19/5/2012	---

1.2 Detailed Design Framework (TOR 3.2.2)

Table 1.2

No.,	Title	Submitted	Updated	Approved
1	List of Technical Standards to be Applied for the Project	29/11/2011	---	QĐ No. 362/QĐ-BGTVT ngày 20/2/09 và QĐ No. 727/QĐ-BGTVT ngày 6/4/13 và QĐ No. 994/QĐ-BGTVT ngày 16/04/13
2	Planning Standards (ITS) Report	2/11/2012	---	
3	Planning Standards Report (O&M)	23/10/2012	---	
4	Geometric design criteria	27/2/2012	27/3/2012	
5	Technical Report – Criteria Design	18/1/2012	---	
6	Typical Cross Sections Report	18/4/2012	---	---
7	Sample of PQ document, Bill of Quantity, Cost Estimate Report	19/3/2012	---	---

2. Detailed Engineering Design and Procurement Planning

2.1 Packaging

Table 2.1.1 Contract packaging

Items	Province/City	No.	Section	Length (km)	Fund		
					JICA	WB	
Civil	Đà Nẵng	PKG1	KM000+000 - KM008+000	8.000	X		
		Quảng Nam	PKG2	KM008+000 - KM016+880	8.880	X	
			PKG3A	KM016+880 - KM018+100	1.220	X	
			PKG3B	KM018+100 - KM021+500	3.400	X	
			PKG4	KM021+500 - KM032+600	11.100	X	
			PKG5	KM032+600 - KM042+000	9.400	X	
			PKG6	KM042+000 - KM052+000	10.000	X	
			PKG7	KM052+000 - KM065+000	13.000	X	
			PKG A1	KM065+000 - KM081+150	16.150		X
	PKG A2	KM081+150 - KM099+500	18.350		X		
	Quảng Ngãi	PKG A3	KM099+500 - KM110+100	10.600		X	
		PKG A4	KM110+100 - KM124+700	14.600		X	
		PKG A5	KM124+700 - KM131+500	6.800		X	
			KM131+500 - KM139+204	7.704		X	
ITS-O&M system		Buildings, equipments, ITS equipments	PKG 13	KM000+000 - KM139+204	139.204	X	
Traffic safety/ Lighting	Đà Nẵng-Tam Kỳ	PKG 14A	KM000+000 - KM065+000	65.000	X		
	Tam Kỳ-	PKG 14B	KM065+000 - KM139+204	74.204		X	

	Quảng Ngãi				
Detailed Design Consulting service	Đà Nẵng – Quảng Ngãi		KM000+000 - KM139+204	139.204	X

2.2 Surveys and Investigations (TOR 3.3.2)

(1) Topographic Survey (TOR 3.3.2 (2) (i))

Table 2.2.1

No.	Package/ Item	Outcome Submission Date	Acceptance Minutes Date
1	Control Point Survey	19/12/2012	20/12/2012
2	Topographic Survey of PKG1	16/5/2013	24/5/2013
3	Topographic Survey of PKG2	10/5/2013	24/5/2013
4	Topographic Survey of PKG3A	9/10/2012	22/10/2012
5	Topographic Survey of PKG3B	2/4/2013	18/4/2013
6	Topographic Survey of PKG4	5/6/2013	31/5/2013
7	Topographic Survey of PKG5	13/5/2013	18/4/2013
8	Topographic Survey of PKG6	5/2/2013	19/4/2013
9	Topographic Survey of PKG7	15/3/2013	22/4/2013
10	Topographic Survey of PKGA1	6/5/2013	27/5/2013
11	Topographic Survey of PKGA2	8/3/2013	11/4/2013
12	Topographic Survey of PKGA3	24/4/2013	28/5/2013
13	Topographic Survey of PKGA4	31/5/2013	29/4/2013
14	Topographic Survey of PKGA5	21/5/2013	28/4/2013

(2) Survey of Hydrographical Data (TOR 3.3.2 (2) (ii))

Table 2.2.2

No.	Package/ Item	Outcome Submission Date
	1. Hydrological Survey Reports	
1	V 1 Hydro-Metrological Data Report	
2	V 2.1 Report on water level survey along the Expressway centerline	25/12/2012
3	V 2.2 Drawing of water level survey along the Expressway centerline	
4	V 3.1 Report on additional survey for flood inundation analysis	27/3/2013
5	V 3.2 Drawing of additional survey for flood inundation analysis	
6	V 4.1 Water level survey and velocity of flow survey for Ky Lam bridge	
7	V 4.2 Water level survey and velocity of flow survey for Chiem Son bridge	25/12/2012
8	V 4.3 Water level survey and velocity of flow survey for Tra Bong bridge	
9	V 4.4 Water level survey and velocity of flow survey for Tra Khuc bridge	
-	2. Hydraulic and Hydrological Calculation Reports	
10	2.1 Hydrological Study Report	22/10/2012
11	2.2 Supporting Document for Hydrological Study	17/11/2012
12	2.3 Flood Inundation Analysis Report	3/12/2012

(3) Engineering Geological Survey (TOR 3.3.2 (2) (iii))

Table 2.2.3

No.	Package/ Item	Outcome Submission Date	Acceptance Minutes Date
1	Geotechnical Investigation of PKG1	10/5/2013	15/7/2013
2	Geotechnical Investigation of PKG1 (Tuy Loan IC)	27/6/2013	10/7/2013
3	Geotechnical Investigation of PKG1 (Realignment section)	8/8/2013	30/7/2013

No.	Package/ Item	Outcome Submission Date	Acceptance Minutes Date
4	Geotechnical Investigation of PKG1 (LRB02)	04/06/2013	16/7/2013
5	Geotechnical Investigation of PKG2 (Embankment)	29/1/2013	27/2/2013
6	Geotechnical Investigation of PKG2 (Bridge)	1/7/2013	8/7/2013
7	Geotechnical Investigation of PKG2 (My Son IC)	11/5/2013	4/6/2013
8	Geotechnical Investigation of PKG2 (Geologic Profile)	5/7/2013	6/7/2013
9	Geotechnical Investigation of PKG3A (Ky Lam Bridge)	17/10/2012	27/3/2013
10	Geotechnical Investigation of PKG3B	22/6/2013	26/6/2013
11	Geotechnical Investigation of PKG3B (Chiem Son Bridge)	4/4/2013	28/5/2013
12	Geotechnical Investigation of PKG4-1	7/8/2013	3/7/2013
13	Geotechnical Investigation of PKG4-2	7/8/2013	10/8/2013
14	Geotechnical Investigation of PKG 4- Tunnel Section	15/4/2013	29/5/2013
15	Geotechnical Investigation of PKG5	11/4/2013	23/5/2013
16	Geotechnical Investigation of PKG5 (Ha Lam IC)	25/5/2013	4/6/2013
17	Geotechnical Investigation of PKG6	5/2/2013	24/6/2013
18	Geotechnical Investigation of PKG6 (ORB-13)	24/6/2013	25/6/2013
19	Geotechnical Investigation of PKG7	22/3/2013	24/5/2013
20	Geotechnical Investigation of PKG7 (Tam Ky IC)	25/5/2013	4/6/2013
21	Geotechnical Investigation of PKGA1	5/7/2013	12/7/2013
22	Geotechnical Investigation of PKGA1 (FO06a, ORB17a)	5/7/2013	12/7/2013
23	Geotechnical Investigation of PKGA2-1	9/4/2013	3/6/2013
24	Geotechnical Investigation of PKGA2-1 (CB23, OP19)	24/6/2013	25/6/2013
25	Geotechnical Investigation of PKGA2-1 (Chu Lai IC)	25/5/2013	4/6/2013
26	Geotechnical Investigation of PKGA2-2	2/4/2013	31/5/2013
27	Geotechnical Investigation of PKGA2-2 (CB25)	24/6/2013	25/6/2013
28	Geotechnical Investigation of PKGA3	5/7/2013	11/7/2013
29	Geotechnical Investigation of PKGA3 (Dung Quat IC)	25/5/2013	4/6/2013
30	Geotechnical Investigation of PKGA3 (Tra Bong Bridge)	4/4/2013	5/6/2013
31	Geotechnical Investigation of PKGA4	9/4/2013	...Jan 2013
32	Geotechnical Investigation of PKGA4 (Box culvert)	24/6/2013	25/6/2013
33	Geotechnical Investigation of PKGA4 (Quang Ngai North IC)	25/6/2013	4/6/2013
34	Geotechnical Investigation of PKGA5	19/6/2013	20/6/2013
35	Geotechnical Investigation of PKGA5 (Box culvert)	24/6/2013	25/6/2013
36	Geotechnical Investigation of PKGA5 (Tra Khuc Bridge)	4/4/2013	27/6/2013
37	Geotechnical Investigation of PKG13 (O&M Building)	13/6/2013	31/7/2013

(4) Material Source Survey (TOR 3.3.2 (2) (iv))

Table 2.2.4

No.	Package/ Item	Outcome Submission Date
1	Construction Material Survey Report (Whole)	24/7/2013
2	Construction Material Survey Report (Each Package)	9/8/2013
3	Construction Material Survey Report (ATB)	16/9/2013

(5) Survey of Other Relevant Structures (TOR 3.3.2 (2) (v))

Table 2.2.5

No.	Package/ Item	Outcome Submission Date	Acceptance Minutes Date
1	Topographic Survey of Populous Residential Areas	4/5/2013	16/5/2013
2	Topographic Survey of Temporary Access Road	9/5/2013	
3	Topographic Survey of Public Utility	17/5/2013	16/5/2013
4	High Voltage Lines (HVL)	24/10/2012	
5	Medium and Low Voltage Lines (MVL-LVL)	20/6/2012	

(6) Additional Traffic Survey (TOR 3.3.2 (2) (vi))

Table 2.2.6

No.	Package/ Item	Outcome Submission Date	Acceptance Minutes Date
1	Additional Traffic Survey Report	9/1/2013	
2	Road Safety Audit Report	3/2013	576/QĐ-VEC, 12/11/2013

(7) Independent Land Valuation Survey (TOR 3.3.2 (2) (vii))

Table 2.2.7

No.	Package/ Item	Outcome Submission Date
1	Hòa Vang (Km0+000 – Km7+965)	12/01/2013
2	Điện Bàn (Km7+965 – Km21+115)	27/6/2012
3	Duy Xuyên (Km21+115 – Km29+465)	15/01/2013
4	Quế Sơn (Km29+465 – Km39+650)	14/01/2013
5	Thăng Bình (Km39+650 – Km52+350)	19/03/2013
6	Phú Ninh (Km52+350 – Km66+480)	29/03/2013
7	Tam Kỳ (Km66+480 – Km68+425)	20/06/2012
8	Núi Thành (Km68+425 – Km99+200)	21/01/2013
9	Bình Sơn (Km99+200 – Km111+512)	07/06/2012
10	Sơn Tịnh (Km111+512 – Km125+200)	07/06/2012
11	Tư Nghĩa (Km125+200 – Km139+263)	03/01/2013
12	Nghĩa Hành (Km132+600 – Km134+640)	03/01/2013

2.3 Detailed Design of Road, Bridges and Other Structures (TOR 3.3.3)

Table 2.3

No.	Package	Submitted on		Appraisal comment(1)	Answer to Comment (1)	Appraisal Comment (2)	Answer to Comment (2)	Approval
		Dur thảo	Cuối cùng					
1	3A	30/6/2012	28/12/2012					439/QĐ-VEC, 23/11/2012
2	A4	27/9/2012	4/6/2013	1/3/2013	3/3/2013	23/4/2013	9/5/2013	93/QĐ-VEC, 8/3/2013
3	3B	22/4/2013	24/6/2013	3/6/2013	6/6/2013			265/QĐ-VEC, 5/6/2013
4	6	5/2/2013	15/7/2013	26/3/2013	12/4/2013	8/5/2013		308/QĐ-VEC, 9/7/2013
5	5	24/4/2013	8/7/2013	6/5/2013	25/5/2013			278/QĐ-VEC, 14/6/2013
6	7	24/4/2013	29/7/2013	6/5/2013	25/5/2013			309/QĐ-VEC, 9/7/2013
7	A2	24/4/2013	29/7/2013	6/5/2013	25/5/2013			307/QĐ-VEC, 9/7/2013
8	A1	22/4/2013	11/9/2013	1/7/2013	12/7/2013			401/QĐ-VEC, 20/8/2013
9	A3	27/5/2013	23/9/2013	1/7/2013	12/7/2013			403/QĐ-VEC, 20/8/2013
10	A5	4/4/2013	2/10/2013	26/3/2013	24/4/2013	8/5/2013		402/QĐ-VEC, 20/8/2013
11	1	29/5/2013	4/9/2013	9/7/2013	17/7/2013			410/QĐ-VEC, 21/8/2013
12	2	30/5/2013	26/8/2013	24/6/2013	4/7/2013			398/QĐ-VEC, 15/8/2013
13	4	25/6/2013	20/11/2013	17/7/2013	23/7/2013			546/QĐ-VEC, 25/10/2013
14	14A							367/QĐ-VEC, 16/06/2014
15	14B							374/QĐ-VEC, 16/06/2014

2.4 Detailed Design of Electrical Works (Addition to TOR)

Table 2.4

No.	PKG	Submission			Appraisal Comment (1)	Answer to Comment (1)	Appraisal Comment (2)	Answer to Comment (2)	Approval
		Draft	D Final	Final					
1	14A-2	2/7/2013		2/7/2014	18/7/2013	25/7/2013	24/9/2013	11/10/2013	16/06/2014
2	14B-2								16/06/2014

2.5 Study and Design of ITS and Toll Collection System(TOR 3.3.4) & Expressway Operation and Maintenance (TOR 3.3.5)

Table 2.5

No.	PKG	Category	Report Title	Rev	AC Comments	Answer to Comments	Submission Date	Approval
1	13	O&M Plan	O&M Plan Report	2			03/05/2013	Decision no 4844/QĐ-BGTVT dated 22/12/2014
2			Traffic Management Plan Report	1			03/05/2013	
3			Heavy Vehicle Control System Report	1			03/05/2013	
4			O&M Building Plan Report	3			03/05/2013	
5		O&M Building	Design Reports	1	24/9/2013	28/10/2013	12/02/2014	
6			Drawings					
7			Work Qty Report					
8			Specifications					
9		O&M Vehicles	Specifications	1	24/9/2013	28/10/2013	12/02/2014	
10		ITS O&M Plan	Design Reports	1	24/9/2013	28/10/2013	12/02/2014	
			Drawings					
	O&M Plan Report							
11		Traffic Management Plan Report				VEC approval		

2.6 Review and Update of EIA, EMP and RAP (TOR 3.3.6)

(1) Review and Update of EIA and EMP

Table 2.6.1

No.	PKG	Category	Report Title	Rev	Submission Date	Approval Date
1	----	EIA	Updated draft EIA Report	-	2012/6/13	10/07/2014
2			Draft final Updated EIA Report	-	2012/12/10	
3			Final Updated EIA Report	-	2013/7/22	
4	----	EMP	Updated draft EMP Report	-	2012/7/30	27/03/2014
5			Draft final Updated EMP Report	-	2013/3/20	
6			Final Updated EMP Report	-	2013/7/22	

(2) Agreement of Local Authorities

Table 2.6.2

No	Location			Meeting date	Agreement
	Province/City	District	Commune		
1	Đà Nẵng	Hòa Vang	Hòa Nhơn	14/06/2013	20/2/2012
2			Hòa Phong	12/4/2012	
3			Hòa Tiến	13/4/2012	
4	Quảng Nam	Điện Bàn	Điện Tiến	13/01/2012	8/2/2012
5			Điện Thọ	11/01/2012	
6			Điện Quang	12/01/2012	
7		Duy Xuyên	Duy Trinh	09/10/2012	4/4/2012
8			Duy Sơn	09/10/2012	
9			Duy Trung	10/10/2012	
10	Quế Sơn	Quế Sơn	Quế Xuân 2	08/04/2013	11/4/2012
11			Phú Thọ	09/11/2012	
12					
13	Thăng Bình	Thăng Bình	Bình Quý	26/11/2012	5/4/2012
14			Bình Chánh	26/11/2012	
15			Bình Quế	27/11/2012	
			Bình An	27/11/2012	

No	Location			Meeting date	Agreement	
	Province/City	District	Commune			
16		Phú Ninh	Tam Thanh	21/11/2012	29/3/2012	
17			Tam Phước	21/11/2012		
18			Tam Đản	22/4/2012		
19			Tam Thái	23/4/2012		
20			Tam Đại	23/4/2012		
21				20/4/2012	7/3/2012	
22		T.P Tam Kỳ	Tam Ngọc	19/4/2012	24/3/2012	
23		Núi Thành	Tam Xuân 1	20/4/2012		
24			Tam Xuân 2	21/4/2012		
25			Tam Anh Bắc	04/01/2013		
26			Tam Anh Nam	08/01/2013		
27	Tam Hiệp		04/01/2013			
28	Tam Mỹ Tây		09/01/2013			
29	Tam Mỹ Đông		08/01/2013			
30	Tam Nghĩa		09/01/2013			
31	Quảng Ngãi	Bình Sơn	Bình Chánh	07/11/2012	16/3/2012	
32			Bình Nguyên	10/11/2012		
33			Bình Trung	07/11/2012		
34			Bình Chương	10/11/2012		
35			Bình Long	14/3/2012		
36		Sơn Tịnh	Tịnh Thọ	15/3/2012	19/3/2012	
37			Tịnh Hà	16/3/2012		
38		Tur Nghĩa	Nghĩa Kỳ	19/3/2012	18/4/2012	
39			Nghĩa Điền	20/3/2012		
40			Nghĩa Trung	21/3/2012		
41			Nghĩa Thương	22/3/2012		
42			Nghĩa Hành	Hành Thuận	23/3/2013	18/4/2012

(3) Update of RAP

Table 2.6.3

SURAP No.	PKG	Province	District	Scale of completion (%)						
				DMS	RCS	IRP	SES	RS	Completion Of SURAP	
1	1	Da Nang	Hòa Vang	70	100	0	100	45	75	
2	1, 2	Quang Nam	Điện Bàn	80	100	100	100	100	95	
	3A			100	100	100	100	100	100	
3	3B, 4		Duy Xuyên	50	100	100	100	60	80	
4	4, 5		Quế Sơn	50	100	100	100	30	60	
5	5, 6, 7		Thăng Bình	50	100	100	100	30	60	
6	7, A1		Phú Ninh	50	100	100	100	55	65	
7	A1		Tam Kỳ City	100	100	100	100	100	100	
8	A1, A2		Núi Thành	50	100	100	100	60	70	
9	A2, A3		Quang Ngãi	Bình Sơn	50	100	100	100	55	65
	A4				100	100	100	100	100	100
10	A5	Sơn Tịnh		100	100	100	100	100	100	
				90	100	100	100	100	95	
11	A5	Tư Nghĩa,		95	100	100	100	100	88	
12		Quang Ngãi city		70	100	0	100	100	0	
13		Nghĩa Hành		95	100	100	100	100	94	
RCS = Replacement Cost Survey (conducted by sub-consultants) DMS = Detailed Measurement Survey (conducted by district authorities)						RS = Relocation Strategy SES = Supplementary Socio-economic Survey IRP = Income Restoration Program				

2.7 Construction Method and Schedule (TOR 3.3.7)

Table 2.7

No.	PKG	Category	Report Title	Revision	Submission Date
1	1	Method Statement	Method Statement	1	25/10/2013
2	2			1	21/10/2013
3	3A			2	11/3/2013
4	3B			2	12/9/2013
5	4			1	8/2/2014
6	5			1	2/11/2013
7	6			3	14/11/2013
8	7			1	7/11/2013
9	A1			0	29/10/2013
10	A2			0	3/9/2013
11	A3			0	9/1/2014
12	A4			2	11/5/2013
13	A5			0	18/4/2013

2.8 Cost Estimate (TOR 3.3.8)

Table 2.8

No.	PKG	Category	Report Title	Rev	Submission Date	Approval Date
1	1	Cost Estimate	Cost Estimate Report	1	25/10/2013	553/QĐ-VEC, 28/10/2013
2	2			2	29/10/2013	554/QĐ-VEC, 30/10/2013
3	3A			4	28/2/2013	01/03/2013
4	3B			3	27/9/2013	449/QĐ-VEC, 13/09/2013
5	4			1	24/1/2014	83/QĐ-VEC, 13/02/2014
6	5			1	8/11/2013	593/QĐ-VEC, 18/11/2013
7	6			3	14/11/2013	607/QĐ-VEC, 28/11/2013
8	7			1	7/11/2013	604/QĐ-VEC, 25/11/2013
9	A1			1	24/1/2014	13/03/2014
10	A2			1	20/1/2014	13/03/2014
11	A3			0	2/1/2014	13/03/2014
12	A4			4	27/8/2013	426/QĐ-VEC, 30/08/2013
13	A5			0	15/4/2013	07/05/2014
17	14A			2	07/07/2014	4559/VEC-KTCNMT,
18	14B			3	07/07/2014	12/12/2014

2.9 Pre-Qualification, Bidding and Contract Documents (TOR 3.3.9)

(1) Pre-Qualification (PQ) Documents

Table 2.9.1

No.	PKG	Category	Report Title	Rev	Submission Date
1	1	PQ Documents	PQ Documents	3	5/11/2012
2	2			3	5/11/2012
3	3A			2	12/02/2012
4	3B			3	5/11/2012
5	4			3	12/11/2012
6	5			3	12/11/2012
7	6			3	12/11/2012
8	7			3	12/11/2012
9	A1			4	05/07/2012
10	A2			4	05/07/2012
11	A3			3	05/07/2012
12	A4			1	17/01/2012
13	A5			3	05/07/2012
14	13				13A: 6/6/2014 13C: 16/6/2014
15	14A			2	19/11/2013
16	14B				Not applicable

(2) Bidding Documents (by Package)

Table 2.9.2

No.	PKG	Category	Report Title	Rev	Submission Date	Approval Date
1	1	Bidding Documents	Part 1&3	0	12/04/2013	06/09/2013
2			V2.1 Technical Specifications	0	5/9/2013	
3			V2.3 BOQ	0	5/9/2013	
4	2		Part 1&3	0	12/04/2013	28/08/2013
5			V2.1 Technical Specifications	0	26/08/2013	
6			V2.3 BOQ	0	26/08/2013	

No.	PKG	Category	Report Title	Rev	Submission Date	Approval Date
7	3A		Part 1&3	0	22/03/2012	08/01/2013
8			V2.1 Technical Specifications	3	09/01/2013	
9			V2.3 BOQ	3	09/01/2013	
10	3B		Part 1&3	0	12/04/2013	25/07/2013
11			V2.1 Technical Specifications	1	12/07/2013	
12			V2.3 BOQ	1	12/07/2013	
13	4		Part 1&3	0	31/05/2013	13/12/2013
14			V2.1 Technical Specifications	1	14/12/2013	
15			V2.3 BOQ	1	14/12/2013	
16	5		Part 1&3	0	31/05/2013	27/09/2013
17			V2.1 Technical Specifications	1	17/9/2013	
18			V2.3 BOQ	1	17/9/2013	
19	6		Part 1&3	0	22/03/2013	27/09/2013
20			V2.1 Technical Specifications	1	19/09/2013	
21			V2.3 BOQ	0	19/9/2013	
22	7	Part 1&3	0	31/05/2013	27/09/2013	
23		V2.1 Technical Specifications	1	23/09/2012		
24		V2.3 BOQ	1	17/07/2012		
25	A1	Part 1&3	0	26/6/2013	approved by VEC	
26		V2.1 Technical Specifications	0	09/10/2013		
27		V2.3 BOQ	0	09/10/2013		
28	A2	Part 1&3	0	26/7/2013		
29		V2.1 Technical Specifications	0	30/9/2013		
30		V2.3 BOQ	0	30/9/2013		
31	A3	Part 1&3	0	26/7/2013		
32		V2.1 Technical Specifications	0	11/10/2013		
33		V2.3 BOQ	0	11/10/2013		
34	A4	Part 1&3	0	19/04/2012		24/06/2013
35		V2.1 Technical Specifications	6	29/07/2013		
35		V2.3 BOQ	7	20/08/2013		
37	A5	Part 1&3	0	26/7/2013		26/03/2014
38		V2.1 Technical Specifications	0	16/01/2014		
39		V2.3 BOQ	0	16/01/2014		
40	A1-A2-A3	V2.1 Technical Specifications	1	30/12/2013	31/12/2013	
41		V2.3 BOQ	1	30/12/2013		
42	14A		Traffic Safety, Chi dẫn k/thuật			4559/VEC- KTCNMT, 12/12/2014
43			Traffic Safety, BOQ			
44			Street Lighting, Technical Specifications			
45			Street Lighting, BOQ			
46	14B	Hồ sơ mời thầu	Traffic Safety, Technical Specifications			
47			Traffic Safety, BOQ			
48			Street Lighting, Technical Specifications			
49			Street Lighting, BOQ			

2.10 Staking of Right of Way and Land Acquisition (TOR 3.5)

Table 2.10

District	Item	From	To	ROW Report	Minutes of Hnading-over	Approval
Hòa Vang	Tuy Loan IC	00-800	00+900	No. 9	6/11/12	
				No. 14	21/05/13	226/QĐ-VEC, 20/5/2013
	TMC/PA	03+400	05+934	No. 9	6/11/12	
	Re-Aligned	00+518	02+601	No. 11	11/1/13	40/QĐ-VEC, 24/01/2013
Điện Bàn	My Son IC	12+840	13+820	No. 12	10/4/13	41/QĐ-VEC, 24/01/2013
	Thruway	17+850	20+100	No. 1	17/8/12	
Duy Xuyên	Thruway	20+400	24+700	No. 6	17/8/12	
	Thruway	24+700	29+465	No. 5	17/8/12	
	PA (29+130)	Chuyển sang gói 5				
	Re-Aligned	20+657	22+080	No. 11	1/2/13	40/QĐ-VEC, 24/01/2013
	Re-Aligned	25+210	30+100	No. 11	1/2/13	40/QĐ-VEC, 24/01/2013
Quế Sơn	Thruway	29+465	39+650	No. 2	27/9/12	
	Re-Aligned	30+100	32+600	No. 11	1/2/13	40/QĐ-VEC, 24/01/2013
	Re-Aligned	34+298	35+100	No.15	7/08/13	
	PA (36+000)	35+501	36+641	No. 15	7/08/13	
Thăng Bình	Thruway	39+650	52+350	No. 3	29/9/12	
	Ha Lam IC	40+300	41+400	No. 12	10/4/13	41/QĐ-VEC, 24/01/2013
Phú Ninh	Thruway	52+350	60+140	No. 4	1/10/12	
	Tam Ky IC	63+900	64+950	No. 12	11/4/13	41/QĐ-VEC, 24/01/2013
	SA (66+460)	66+409	67+785	No. 15	8/8/13	
Núi Thành	Thruway	71+100	99+200	No. 8*	1/11/12	
					28/11/12	Stakes were restored
	Chu Lai IC	82+430	83+500	No. 12	11/4/13	41/QĐ-VEC, 24/01/2013
	PA (96+300)	95+810	96+800	No. 16	17/12/13	477/QĐ-VEC, 27/9/2013
Bình Sơn	Thruway	99+200	109+300	No. 7	5/10/12	
					28/11/12	Stakes were restored
	Dung Quat IC	101+190	102+240	No. 12	12/4/13	41/QĐ-VEC, 24/01/2013
	Revised (Frontage Rd)	110+100	111+600	No. 13	24/7/13	166/QĐ-VEC, 18/4/2013
Sơn Tịnh	Revised (Frontage Rd)	111+600	124+700	No. 13	24/7/13	
	Dung Quat 2 IC	116+685	117+485	No. 15	24/7/13	
	PA	120+300	121+700	No. 10		Suspended
	Quang Ngãi North IC	123+000	124+450	No. 13	23/7/13	166/QĐ-VEC, 18/4/2013
	GPMB bổ sung	123+989	124+072	No. 18	10/2013	543/QĐ-VEC, 14/10/2013
Tư Nghĩa	TB (129+500)	129+321	131+550	No. 15	24/7/13	
	Additional Land	127+878	129+078	No.15	23/7/13	
	Additional Land	134+646	135+326	No.15	23/7/13	
	NH1 Intersection	138+891	139+204	No.15	24/7/13	
TP Quảng Ngãi	Quang Ngãi IC	130+050	130+870	No.15	24/7/13	
Whole Section				No. 17	19/12/13	477/QĐ-VEC, 27/9/2013

2.11 Training and Technology Transfer (TOR 3.6)

Table 2.11.1 Seminar

No	Name	Date	Venue	Participants	Number	Remarks
1	Semiar for ITS and O&M	16/10/2012	VEC	MOTEC, PMU85	15	

Table 2.11.2 Proposed Seminar (June 2013)

No	Title	Presented by	Position
1	Utilizing Google Earth in road design	Dr. Naresh Sthapit	Highway Engineer 2
2	ITS design & Plan	Mr.Koichi Nishimura	ITS specialist
3	Preparing SubRAP	Dr Vu Ngoc Long	Resettlement Specialist
4	Preparing Bidding Document	Mr.William John Davy	Senior Contract/ Procurement Specialist
5	Project Management- Detailed design consulting service project	Mr.Ichizuru Ishimoto	Project Manager

3. Quantity and submitted detailed design reports

Table 3. List of required Documents/Reports in the Contract (11/2013)

No.	Title of Report	Required quantity in the contract (set)	Submitted quantity (set)	Remark
1	Inception Report	15	15	
2	Review Study reports and design framwork	15	14	
3	Monthly Reports	15	8 set- English 8 set- Vietnamese	
4	EIA Report	15	15	
5	EMP Report	15	15	
6	Brief report on the appropriateness of proposed alignment	Not specific mentioned	3 sets	
7	Updated Sub-RAP	15	0	
Survey report				
8	Topographic Survey:	Not specific mentioned		
	Package No. 1	14	14	
	Package No. 2	14	14	
	Package No. 3A	15	15	
	Package No. 3B	14	14	
	Package No. 4	14	14	
	Package No. 5	14	14	
	Package No. 6	14	14	
	Package No. 7	14	14	
	Package No. A1	14	14	
	Package No. A2	14	14	
	Package No. A3	14	14	
	Package No. A4	14	14	
	Package No. A5	14	14	
9	Survey hydrological data	Not specific mentioned	14	
10	Engineering geological survey			
	Package No. 1	14	14	
	Package No. 2	14	14	
	Package No. 3A	14	14	
	Package No. 3B	14	14	
	Package No. 4	14	14	
	Package No. 5	14	14	
	Package No. 6	14	14	
	Package No. 7	14	14	

	Package No. A1	14	14	
	Package No. A2	14	14	
	Package No. A3	14	14	
	Package No. A4	14	14	
	Package No. A5	14	14	
11	Material Source Survey	Not specific mentioned	1 set/1 package	
12	Relavent structures survey	Not specific mentioned	14	
13	Additional Traffic Surveys	Not specific mentioned	03	
14	Detailed Design, reports	3 set (draft) for each submission		
	Package No. 1	14	14	
	Package No. 2	14	14	
	Package No. 3A	14	14	
	Package No. 3B	14	14	
	Package No. 4	14	14	
	Package No. 5	14	14	
	Package No. 6	14	14	
	Package No. 7	14	14	
	Package No. A1	14	14	
	Package No. A2	14	14	
	Package No. A3	14	14	
	Package No. A4	14	14	
	Package No. A5	14	14	
	Package No. 13	14	14	
	Package No. 14A	14	14	
	Package No. 14B	14	14	
15	Cost Estimate Report	Not specific mentioned		
	Package No. 1		03	
	Package No. 2		03	
	Package No. 3A		03	
	Package No. 3B		03	
	Package No. 4		03	
	Package No. 5		03	
	Package No. 6		03	
	Package No. 7		03	
	Package No. A1		03	
	Package No. A2		03	
	Package No. A3		03	
	Package No. A4		03	
	Package No. A5		03	
	Package No. 13		03	
	Package No. 14A		04	
	Package No. 14B		04	
16	PQ Documents	3 set (draft) for each submission		
	Package No. 1	10	10	
	Package No. 2	10	10	
	Package No. 3A	10	10	
	Package No. 3B	10	10	
	Package No. 4	10	10	
	Package No. 5	10	10	
	Package No. 6	10	10	
	Package No. 7	10	10	
	Package No. A1	10	10	
	Package No. A2	10	10	

	Package No. A3	10	10	
	Package No. A4	10	10	
	Package No. A5	10	10	
	Package No. 13	10	10	
	Package No. 14A	10	10	
	Package No. 14B	10	10	
17	Bidding Documents	3 set (draft) for each submission		
	Package No. 1	14	14	
	Package No. 2	14	14	
	Package No. 3A	14	14	
	Package No. 3B	14	14	
	Package No. 4	14	14	
	Package No. 5	14	14	
	Package No. 6	14	14	
	Package No. 7	14	14	
	Package No. A1	14	14	
	Package No. A2	14	14	
	Package No. A3	14	14	
	Package No. A4	14	14	
	Package No. A5	14	14	
	Package No. 13	14	14	
	Package No. 14A	14	14	
	Package No. 14B	14	14	
18	Safety Audit Report	15	15	
Independent Land Valuation Survey				
19	Inception Report	6	6	
20	Replacement Cost Survey	6	6	
21	ROW No.	Not specific mentioned		
	Report No. 1		3	
	Report No. 2		3	
	Report No. 3		3	
	Report No. 4		4	
	Report No. 5		3	
	Report No. 6		2	
	Báo cáo No. 7		3	
	ROW for Km17+900 – Km109+300		12	
	Report No. 9 and No. 10		3	
	Report No. 12		3	
	Report No. 13		3	
	Report No. 14		3	
	Report No. 15		3	
	Report No. 16		3	
	Report No. 17		3	
	Report No. 18		3	

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