Public Disclosure Authorized

Procurement Plan for Yunnan Highway Asset Management Project (Revis 2017)

Number	Contract Number	Contract Name	Contract Content	Estimated Contract Value		Procurement Method	Prior/Post R
				CNY (10k)	US$ (million)		
Total				**78710**	**118.36**		
A. Civil Works				**15047**	**22.63**		
1. Pilot of Road Segments Maintenance Project in Pavement Maintenance Program				**15047**	**22.63**		
1	HAMP-CW-01	Pavement rehabilitation using cold pavement recycling	50 km asphalt pavement rehabilitation using cold recycling technology	9887	14.87	NCB	Prior
2	HAMP-CW-02	Asphalt pavement improvement by using modified asphalt chip seal	80 km asphalt pavement improvement by using modified asphalt chip seal	1200	1.80	NCB	Post
3	HAMP-CW-03	Asphalt pavement improvement by using slurry seal	80 km asphalt pavement improvement by using slurry seal	1440	2.17	NCB	Post
4	HAMP-CW-04	Asphalt pavement improvement by using microsurfacing	80 km asphalt pavement improvement by using microsurfacing	2520	3.79	NCB	Post
B. Goods				**57766**	**86.87**		
1. Integrated highway asset management information system				**30116**	**45.29**		
a. Development of information network system				**18421**	**27.70**		

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5	HAMP-GD-01	Computer room furnish and installation	Computer room furnish, power supply system, UPS power system, AC & air fresher, grounding, vibration monitoring, firefighting, security systems, KVM system, equipment cabinet and wiring system	233	0.35	NCB	Prior
6	HAMP-GD-02	YHB cloud computation data center	1. Computer servers, cloud computation system installation and testing, data center network and storage installation and testing (cloud backup storage, other site storage, fiber optic exchanger, routers, center exchanger), software procurement and installation, associated software and hardware as well as IT operation and maintenance system; 2. Exchangers, center VPN, site VPN, network balancer; 3. RAMS server, storage and supporting software; 4. YHB emergency response system software, emergency center hardware	6261	9.42	NCB	Prior

			installation and testing; 5. Public information system on-call service system, variable information display system and connection; 6. YHB office operation and service system integration and upgrade; 7. Center database, backup site software and hard ware, data sharing platform, GIS database.				
7	HAMP-GD-03	YHB designated network lease fee	3 year network lease fee	1000	1.50	Shopping	Post
8	HAMP-GD-04	Emergency response vehicles and associated equipment	8 emergency response vehicles and associated communication equipment	3688	5.55	NCB	Prior
9	HAMP-GD-05	On-site bridge monitoring equipment installation and testing	The procurement, installation and testing of field monitoring equipment for 8 extra-long bridges	784	1.18	NCB	Post
10	HAMP-GD-06	On-site long tunnel monitoring equipment installation and testing	The procurement, installation and testing of field monitoring equipment for 12 large tunnels	2062	3.10	NCB	Prior
11	HAMP-GD-07	On-site key road monitoring equipment installation and testing	The procurement, installation and testing of field monitoring equipment in 129 key	2929	4.40	NCB	Prior

			road segments (at toll gates or weighting stations)				
12	HAMP-GD-08	Public information service system	Call center, variable information displays, and controlling system	1464	2.20	NCB	Prior
b. Development of highway asset management system				**11695**	**17.59**		
13	HAMP-GD-09	Development of Yunnan road asset management system (RAMS)	Yunnan road asset management system development and system maintenance	780	1.17	LD	Prior
14	HAMP-GD-10	Intelligent road inspection vehicle update and improvement	Upgrade and improve two existing intelligent road inspection vehicles	600	0.90	LD	Prior
15	HAMP-GD-11	Laser high speed pavement inspection vehicle	One dynamic laser pavement inspection vehicle with defilation measurement function	1700	2.56	NCB	Prior
16	HAMP-GD-12	Bridge inspection vehicles	8 small bridge inspection vehicles, 1 large bridge inspection vehicle	3720	5.59	NCB	Prior
17	HAMP-GD-13	Highway asset management emergency maintenance vehicle and equipment	35 maintenance and emergency patrol vehicles with associated equipment	2450	3.68	NCB	Prior
18	HAMP-GD-14	Continuous and intermittent traffic volume survey equipment	63 permanent automatic traffic recording stations and 80 portable counting sets	2445	3.68	NCB	Prior
2.Capacity development for highway maintenance and emergency response - equipment for maintenance centers and maintenance stations				**23790**	**35.77**		

19	HAMP-GD-15	Crawler Excavators and vibration rollers	63 vibration rollers, 16 crawler excavators	4125	6.20	NCB	Prior
20	HAMP-GD-16	Loaders, slurry sealing machine and others	5 sprinklers, 6 flat trailers, 5 graders, 8 tunnel maintenance vehicles, 3 slurry seal vehicles, 16 loaders	2147	3.23	NCB	Prior
21	HAMP-GD-17	Small crawler excavators	63 crawler excavators	3528	5.31	NCB	Prior
22	HAMP-GD-18	Oil heated asphalt heating and storage equipment and asphalt heating and storage tanks	16 oil heated asphalt heating and storage equipment, 63 asphalt heating and storage tanks	3505	5.27	NCB	Prior
23	HAMP-GD-19	Small milling machine	63 small milling machines	5985	9.00	NCB	Prior
24	HAMP-GD-20	Five-small-maintenance equipment	1125 sets of five-small-maintenance-equipment (cutting machine, hydraulic power drill, impact rammer, plate ram, single drum roller)	4500	6.77	NCB	Prior
3. Pilot of road segments maintenance project - pavement cold recycling machine				**3860**	**5.80**		
25	HAMP-GD-21	pavement cold recycling equipment	1 pavement cold recycling equipment, 3 milling machines, and 3 sets of mobile field	3860	5.80	NCB	Prior

			mixing equipment				
C. Consulting Services				**5897**	**8.87**		
1. Capacity development for highway asset management				**3277**	**4.93**		
26	HAMP-CS-01	Development of highway asset valuation guidelines and conduction of highway asset valuation	development of highway asset valuation guidelines, conduction of highway asset valuation	1620	2.44	QCBS/QBS	Prior
27	HAMP-CS-02	Development of highway asset accounting guideline	Development of highway asset accounting guidelines	526	0.79	QCBS/QBS	Prior
28	HAMP-CS-03	Development of highway maintenance manual	Development of highway maintenance manual	300	0.45	QCBS/QBS	Post
29	HAMP-CS-04	Highway asset management application	Study on the asset management system for Yunnan trunk highways	308	0.46	QCBS/QBS	Post
30	HAMP-CS-05	Highway safety study	Research on highway safety Yunnan trunk highways	400	0.60	QCBS/QBS	Post
31	HAMP-CS-06	Improving highway performance monitoring indicators	Study on the performance monitoring system for Yunnan trunk highways	123	0.18	CQS	Post
2. Consulting services for project management				**2620**	**3.94**		
32	HAMP-CS-07	YHB highway asset management information system testing	System testing, function and safety testing	310	0.47	QCBS	Post
33	HAMP-CS-08	Project management consulting service	Consulting services for Information system, highway asset management, project	1830	2.75	QCBS	Prior

			management, external environment monitoring, contract management, financial management, safeguards, etc.				
34	HAMP-CS-09	Ethnic minority development plan monitoring	Social safeguard monitoring	170	0.26	CQS	Prior
35	HAMP-CS-10	Highway asset management integrated information system construction supervision	Construction supervision for quality, schedule, cost, information and safety, etc.	310	0.47	QCQS	Post

Notes:

1. The exchange rate $1.0 = 6.65 CNY
2. The location and mileage of the improved roads will be determined based on the results of field inspections.

PROCUREMENT PLAN **China : Yunnan Highway Asset Management Project**

General Information

Country: China

Bank's Approval Date of the Original Procurement Plan: 2017-05-26

Revised Plan Date(s): (comma delineated, leave blank if non 2019-12-19

Project ID: P132621

GPN Date:

Project Name: Yunnan Highway Asset Management Project

Loan / Credit No: IBRD / 84850

Executing Agency(ies) Yunnan Highway PMO

WORKS

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Estimated Amount (US$)	Actual Amount (US$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents as Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion	
											Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
HAMP-CW-01-A / 16.08 km asphalt pavement rehabilitati on using cold pavement recy cling(G324Kunming)	IBRD / 84850	Pilot of Cost-Effective Maintenance Technologies	Prior	Request for Bids	Open - National	Single Stage - One Envelope		13,563,500.00	0.00	Canceled					2018-05-07		2018-06-06				2018-07-11		2018-08-10		2018-09-21		2019-08-21	
HAMP-CW-01-B / 10 km as phalt pavement rehabilitation using cold pavement recyclin g(G245Anning)	IBRD / 84850	Pilot of Cost-Effective Maintenance Technologies	Prior	Request for Bids	Open - National	Single Stage - One Envelope		12,161,900.00	0.00	Canceled					2018-05-07		2018-06-06				2018-07-11		2018-08-10		2018-09-21		2019-08-21	
HAMP-CW-01-C / 24 km as phalt pavement rehabilitation using cold pavement recyclin g(G357,S11Honghe)	IBRD / 84850	Pilot of Cost-Effective Maintenance Technologies	Prior	Request for Bids	Open - National	Single Stage - One Envelope		14,769,800.00	10,935,519.77	Signed					2018-05-07		2018-06-06				2018-07-18		2018-08-17		2018-09-28		2019-08-28	
HAMP-CW-01-B2 / 10 km asphalt pavement rehabilitati on using cold recycling techn ology(G245Anning)	IBRD / 84850	Pilot of Cost-Effective Maintenance Technologies	Prior	Request for Bids	Open - National	Single Stage - One Envelope		11,521,800.00	9,174,096.52	Signed					2018-11-12		2018-12-12				2019-01-16		2019-02-15		2019-03-29		2020-02-26	
HAMP-CW-01-A2 / 16.08km asphalt pavement rehabilitation using cold recycling technology	IBRD / 84850	Pilot of Cost-Effective Maintenance Technologies	Prior	Request for Bids	Open - National	Single Stage - One Envelope		13,563,500.00	10,592,513.15	Signed					2019-01-16		2019-01-17				2019-01-18		2019-01-19		2019-02-09		2019-08-21	
HAMP-CW-02 / Asphalt pavement improvement with preventive maintenance technology polit project (Kunming section):27 km adpoting modified asphalt chip seal, 30 km adpoting slurry seal, and 23 km adopt micosurfacing	IBRD / 84850	Pilot of Cost-Effective Maintenance Technologies	Post	Request for Bids	Open - National	Single Stage - One Envelope		3,058,000.00	2,690,661.42	Signed					2019-08-14		2019-08-28				2019-09-27		2019-10-11		2019-11-22		2020-05-20	
HAMP-CW-03 / Asphalt pavement improvement with preventive maintenance technology polit project (Pu'er section):40 km adpoting modified asphalt chip seal, 20 km adpoting slurry seal, and 20 km adopt micosurfacing	IBRD / 84850	Pilot of Cost-Effective Maintenance Technologies	Post	Request for Bids	Open - National	Single Stage - One Envelope		2,987,000.00	2,852,746.78	Signed					2019-08-15		2019-08-29				2019-10-03		2019-10-17		2019-11-28		2020-05-26	

HAMP-CW-04 / Asphalt pavement improvement with preventive maintenance technology polit project (Dehong section):13 km adpoting modified asphalt chip seal, 30 km adpoting slurry seal, and 37 km adopt micosurfacing	IBRD / 84850	Pilot of Cost-Effective Maintenance Technologies	Post	Request for Bids	Open - National	Single Stage - One Envelope		3,983,000.00	0.00	Under Implementation					2019-08-16		2019-08-30				2019-10-04		2019-10-18		2019-11-29		2020-05-27	

GOODS

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Estimated Amount (US$)	Actual Amount (US$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents as Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion	
											Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
HAMP-GD-17 / small crawler excavators	IBRD / 84850	Highway Asset Management Improvement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		0.00	3,583,158.13	Signed																		
HAMP-GD-09 update / road asset management system	IBRD / 84850	Highway Asset Management Improvement	Prior	Direct Selection	Direct			0.00	1,125,148.17	Signed																		
HAMP-GD-09 / Road Assets Management System (RAMS)	IBRD / 84850	Highway Asset Management Improvement	Prior	Direct Selection	Direct			0.00	1,150,170.56	Signed																		
HAMP-GD-15 / Excavators, rollers	IBRD / 84850	Highway Asset Management Improvement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		0.00	4,924,959.52	Signed																		
HAMP-GD-18 / heat conduction oil heating asphalt equipment	IBRD / 84850	Highway Asset Management Improvement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		0.00	2,980,310.24	Signed																		
HAMP-GD-02 / YHB cloud computation data center	IBRD / 84850	Highway Asset Management Improvement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		9,420,000.00	6,426,993.67	Signed					2017-09-05		2017-09-10				2017-10-25		2017-11-24		2018-01-05		2020-12-31	
HAMP-GD-19 / Small milling machines	IBRD / 84850	Maintenance and Emergency Response Capacities Enhancement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		9,000,000.00	9,243,700.16	Signed					2017-10-20		2017-10-30				2017-11-29		2017-12-13		2018-01-10		2020-01-09	
HAMP-GD-20 / skip loaders	IBRD / 84850	Maintenance and Emergency Response Capacities Enhancement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		9,000,000.00	3,743,003.04	Signed					2018-07-06		2018-07-27				2018-09-07		2018-10-19		2018-11-23		2019-05-22	
HAMP-GD-14 / Continuous traffic volume survey equipment	IBRD / 84850	Highway Asset Management Improvement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		3,880,000.00	3,681,486.12	Signed					2018-08-17		2018-09-21				2018-11-02		2018-11-23		2019-01-13		2019-05-13	
HAMP-GD-16-1 / 16 loaders and 5 graders	IBRD / 84850	Maintenance and Emergency Response Capacities Enhancement	Post	Request for Bids	Open - National	Single Stage - One Envelope		1,338,200.00	1,144,704.38	Signed					2018-12-06		2018-12-13				2019-01-17		2019-02-07		2019-03-14		2019-06-12	
HAMP-GD-16-2 / 8 tunnel maintenance vehicles and 3 slurry seal vehicles	IBRD / 84850	Maintenance and Emergency Response Capacities Enhancement	Post	Request for Bids	Open - National	Single Stage - One Envelope		1,125,000.00	726,985.60	Signed					2018-12-06		2018-12-13				2019-01-17		2019-02-07		2019-03-14		2019-06-12	
HAMP-GD-12 / Bridge inspection vehicles	IBRD / 84850	Highway Asset Management Improvement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		2,647,100.00	1,364,323.91	Signed					2019-02-15		2019-03-02				2019-04-01		2019-04-15		2019-05-20		2019-08-18	

HAMP-GD-21 / pavement cold recycling equipment:1 pavement cold recycling equipment,3 milling machines, and 3 sets of mobile field mixing equipment	IBRD / 84850	Maintenance and Emergency Response Capacities Enhancement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		5,676,500.00	0.00	Canceled					2019-06-20		2019-07-11				2019-08-10		2019-08-31		2019-10-19		2019-10-20	
HAMP-GD-05 / On-site bridge monitoring equipment installation and testing	IBRD / 84850	Highway Asset Management Improvement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		1,176,000.00	0.00	Under Review					2019-07-29		2019-08-12				2019-09-11		2019-10-02		2019-11-22		2020-03-21	
HAMP-GD-07 / On-site key road monitoring equipment installation and testing	IBRD / 84850	Highway Asset Management Improvement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		4,410,000.00	4,145,297.46	Signed					2019-07-26		2019-08-09				2019-09-08		2019-09-29		2019-11-19		2020-03-18	
HAMP-GD-08 / Public information service system	IBRD / 84850	Highway Asset Management Improvement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		2,200,000.00	1,989,324.06	Signed					2019-07-30		2019-08-13				2019-09-12		2019-10-03		2019-11-23		2020-03-22	
HAMP-GD-21N / pavement cold recycling equipment:3 pavement cold recycling equipment, 4 milling machines	IBRD / 84850	Maintenance and Emergency Response Capacities Enhancement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		5,779,400.00	5,465,831.57	Signed					2019-08-05		2019-08-19				2019-09-18		2019-10-09		2019-11-27		2020-05-25	
HAMP-GD-04-1 / Traffic Mobile emergency communication command platform	IBRD / 84850	Maintenance and Emergency Response Capacities Enhancement	Prior	Request for Bids	Open - National	Single Stage - One Envelope		2,650,000.00	0.00	Under Implementation					2019-11-26		2019-12-03				2020-01-02		2020-01-16		2020-02-20		2020-05-20	

NON CONSULTING SERVICES

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Estimated Amount (US$)	Actual Amount (US$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents as Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion	
											Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
HAMP-GD-03 / YHB designated network lease fee	IBRD / 84850	Highway Asset Management Improvement	Post	Request for Bids	Open - National	Single Stage - One Envelope		1,500,000.00	781,836.69	Signed					2017-10-11		2017-10-19				2017-11-21		2017-12-21		2018-01-25		2020-12-30	
HAMP-GD-27 / Transport private network expension for the county-leave branch of YHB	IBRD / 84850	Highway Asset Management Improvement	Post	Direct Selection	Direct			294,100.00	0.00	Pending Implementation					2019-12-29		2020-01-12								2020-02-23		2020-06-22	

CONSULTING FIRMS

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Contract Type	Estimated Amount (US$)	Actual Amount (US$)	Process Status	Terms of Reference		Expression of Interest Notice		Short List and Draft Request for Proposals		Request for Proposals as Issued		Opening of Technical Proposals / Minutes		Evaluation of Technical Proposal		Combined Evaluation Report and Draft Negotiated Contract		Signed Contract		Contract Completion	
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
HAMP-CS-08 Project Management / Project Management Consulting Service	IBRD / 84850	Highway Asset Management Improvement	Prior	Quality Based Selection	Open - International		0.00	1,682,917.53	Signed																		
HAMP-CS-09 / Ethnic Minority Development and Resettlement External Monitoring	IBRD / 84850	Highway Asset Management Improvement	Prior	Consultant Qualification Selection	Open - International		0.00	352,432.74	Signed																		
HAMP-CS-03 / Development of highway maintenance manual	IBRD / 84850	Strengthening Institutional Capacities	Post	Quality And Cost-Based Selection	Open - International		450,000.00	439,379.74	Signed	2017-09-19		2017-10-10		2017-11-23				2017-12-21		2018-01-20		2018-02-24		2018-03-31		2020-12-31	

HAMP-CS-02 / Development of highway asset accounting guideline	IBRD / 84850	Strengthening Institutional Capacities	Prior	Quality And Cost-Based Selection	Open - International		790,000.00	786,123.24	Signed	2017-09-19		2017-09-20		2017-09-22				2017-09-23		2017-09-24		2017-09-26		2017-09-29		2019-09-29	
HAMP-CS-01 / Development of highway asset valuation guidelines and conduction of highway asset valuation	IBRD / 84850	Strengthening Institutional Capacities	Prior	Quality Based Selection	Open - International		2,440,000.00	2,447,930.02	Signed	2017-09-19		2017-10-10		2017-11-23				2017-12-21		2018-01-20		2018-02-19		2018-03-26		2020-12-31	
HAMP-CS-07 / YHB highway asset management information system testing	IBRD / 84850	Highway Asset Management Improvement	Post	Quality Based Selection	Open - International		470,000.00	466,907.73	Signed	2017-10-20		2017-11-10		2017-12-24				2018-01-23		2018-03-06		2018-04-05		2018-05-10		2020-12-31	
HAMP-CS-10 / Highway asset management integrated information system construction supervision	IBRD / 84850	Highway Asset Management Improvement	Post	Quality And Cost-Based Selection	Open - International		490,000.00	462,909.35	Signed	2018-06-07		2018-06-28		2018-08-11				2018-09-08		2018-10-08		2018-11-12		2018-12-17		2020-12-31	
HAMP-CS-05 / Highway safety study	IBRD / 84850	Strengthening Institutional Capacities	Post	Consultant Qualification Selection	Open - National		290,000.00	298,378.35	Signed	2019-04-26		2019-05-17		2019-07-16								2019-08-15		2019-09-19		2020-03-17	

INDIVIDUAL CONSULTANTS

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Contract Type	Estimated Amount (US$)	Actual Amount (US$)	Process Status	Terms of Reference		Invitation to Identified/Selected Consultant		Draft Negotiated Contract		Signed Contract		Contract Completion	
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
HAMP-GD-10 update / System Upgrade of Two Existing Comprehensive Road Condition Survey Vehicles	IBRD / 84850	Highway Asset Management Improvement	Prior	Direct Selection	Direct		0.00	857,226.98	Signed										
HAMP-GD-10 / System Upgrade of Two Existing Comprehensive Road Condition Survey Vehicles	IBRD / 84850	Highway Asset Management Improvement	Prior	Direct Selection	Direct		0.00	876,832.51	Signed										