

# The Procurement Plan of Yunnan Highway Asset Management Project (Revised Version on December 22, 2015)

Sequence Number	Contract Number	Name of Contract	Contract Contents	Contract Estimated Amount		Procurement Method	Prior Review/Post Review	Time of Publishing the Bidding Notice	Contract Term (year)	Remark
				RMB (10 thousand)	\$ (10 thousand)					
<b>Total</b>				<b>79564</b>	<b>12629</b>					
<b>A. Civil Works</b>				<b>15047</b>	<b>2388</b>					
<b>一、 Pilot of Road Segments Maintenance Project in Pavement Maintenance Program</b>				<b>15047</b>	<b>2388</b>					
1	HAMP-CW-01	Overhaul engineering of cold recycling on asphalt pavement	Overhaul engineering of cold recycling on 50 km of asphalt pavement	9887	1569	NCB	Prior Review	Oct., 2016	2	Specific route and mileage pile number of the project will be selected according to road condition information of vehicle inspection and requirements of fesibility report.
2	HAMP-CW-02	modified asphalt chip seals engineering on asphalt pavement	80 km of modified asphalt chip seals engineering	1200	190	NCB	Post Review	Oct., 2016	1	
3	HAMP-CW-03	slurry seals engineering on asphalt pavement	80 km of slurry seals engineering on asphalt pavement	1440	229	NCB	Post Review	Oct., 2016	1	
4	HAMP-CW-04	micro-surfacing engineering on asphalt pavement	80 km of micro-surfacing engineering on asphalt pavement	2520	400	NCB	Post Review	Oct., 2016	1	
<b>B. Goods</b>				<b>58391</b>	<b>9268</b>					
<b>一、 Integrated highway asset management information system</b>				<b>30767</b>	<b>4884</b>					
<b>(一) Establishing information network system</b>				<b>18422</b>	<b>2924</b>					
5	HAMP-GD-01	Computer room construction of integrated information system for highway asset management	Computer room decoration, power supply and distribution system, UPS uninterruptible power supply system, precision air conditioning, fresh air system, lightningproof grounding engineering, dynamic environmental monitoring engineering, gas fire engineering, access control and surveillance systems, KVM system, equipment cabinet, integrated wiring system	233	37	NCB	Prior Review	Jan., 2016	0.5	
6	HAMP-GD-02	The construction of cloud computing data center system in YHB	1. Core server of data center, cloud computing data center system installation and debugging, data center network and storage (cloud backup storage, two-site storage, optical switches, routers, core switches), the procurement and installation of information infrastructure software platform, other softwares and hardwares, IT operational system; 2. Switches, central VPN devices, external VPN devices, link load balancing; 3. Serves, storage resources and support softwares required by RAMS; 4. Software research and development of emergency command system in YHB; the installation and debugging of control hardware in emergency command center; 5. Call service subsystem of public information service system, variable information board control system and SMS gateway; 6. The upgrade and integration of office system and business system in YHB; 7. Center database, hardware and software in remote disaster recovery center, data sharing platform, GIS database construction and doftware development.	6261	994	NCB	Prior Review	Mar., 2016	5	
7	HAMP-GD-03	Transportation private network link service for YHB	Three years of tenancy for network link	1000	159	Inquiry Purchasing	Prior Review	Mar., 2016	1	
8	HAMP-GD-04	emergency command vehicles and related communication terminal	8 emergency command vehicles and related communication terminal	3688	585	NCB	Prior Review	Nov., 2016	1.5	
9	HAMP-GD-05	The procurement, installation and debugging of field monitoring equipment for bridges	The procurement, installation and debugging of field monitoring equipment for 8 extra-long bridges in Yunnan trunk highway	784	125	NCB	Prior Review	July, 2017	1	
10	HAMP-GD-06	The procurement, installation and debugging of field monitoring equipment for large tunnels in Yunnan trunk highway	The procurement, installation and debugging of field monitoring equipment for 12 large tunnels in Yunnan trunk highway	2062	327	NCB	Prior Review	Dec., 2016	1	Combination of Contract Package
11	HAMP-GD-07	The procurement, installation and debugging of field monitoring equipment in key road segments	The procurement, installation and debugging of field monitoring equipment in 129 key road segments (use the equipment of traffic recording stations and overload controlling stations)	2929	465	NCB	Prior Review	Dec., 2016	1	
12	HAMP-GD-08	Construction of public information service system	Voice gateway, variable information board and controller	1464	232	NCB	Prior Review	Mar., 2016	1	
<b>(二) Establishing highway asset management system</b>				<b>12345</b>	<b>1960</b>					
13	HAMP-GD-9	Yunnan road asset management system software and development (RAMS)	1 set of Yunnan highway asset management system and system maintenance cost	780	124	Direct Contracting	Prior Review	Jan., 2016	5	

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14	HAMP-GD-10	The upgrading and remoulding of intelligent road inspecting vehicles	Upgrade and remould 2 existing intelligent road inspecting vehicles	600	95	Direct Contracting	Prior Review	Jan., 2016	1	
15	HAMP-GD-11	Automatic inspecting vehicles for the technical condition of highway pavement	Purchase one set of multi-functional traffic inspection equipment equipped with dynamic laser deflection	1700	270	NCB	Prior Review	Jan., 2016	1	
16	HAMP-GD-12	Bridge inspection vehicles	8 small bridge inspection vehicles, 1 large bridge inspection vehicle	3720	590	NCB	Prior Review	Jan., 2017	1	
17	HAMP-GD-13	Maintenance and emergency patrol vehicles and related equipment for highway asset management	35 maintenance and emergency patrol vehicles and related equipment equiped with on-board information board for highway asset management	2450	389	NCB	Prior Review	Sep., 2016	2	
18	HAMP-GD-14	Big Dipper satellite dynamic monitoring equipment for bridge and slope	The procurement and installation of 30 sets of equipments for bridges and slopes in Big Dipper satellite dynamic monitoring sites	650	103	Direct Contracting(TBD)	Prior Review	Dec., 2015	2	TBD
19	HAMP-GD-15	equipment for permanent and intermittent automatic traffic recording stations	63 set of equipments for permanent automatic traffic recording stations and 80 sets for intermittent traffic recording stations, installation and debugging of equipment	2445	388	NCB	Prior Review	Jan., 2016	2	
<b>二、 Highway maintenance and emergency response capacity building-the procurement of equipment at centers and stations</b>				<b>23764</b>	<b>3772</b>					
20	HAMP-GD-16	The procurement of excavators and rollers at maintenance and emergency response centers in Highway Management General Sections at prefecture level	63 small wheeled excavators, 16 small crawler excavators, 63 small double steel rollers	5889	935	NCB	Prior Review	June, 2016	2	
21	HAMP-GD-17	The procurement of loaders and slurry seal vehicles and other equipments at maintenance and emergency response centers in Highway Management General Sections at prefecture level	5 sprinklers, 6 flat trailers, 5 graders, 8 tunnel maintenance vehicles, 3 slurry seal vehicles, 16 loaders	2147	341	NCB	Prior Review	Mar., 2017	1	
22	HAMP-GD-18	The procurement of transport vehicles at maintenance and emergency response centers in Highway Management General Sections at prefecture level and Sections at county level	79 transport vehicles	1738	276	NCB	Prior Review	Mar., 2017	2	
23	HAMP-GD-19	The procurement of Heat conduction oil heating asphalt equipments at maintenance and emergency response centers in Highway Management General Sections at prefecture level	16 sets of heat conduction oil heating asphalt equipment, 63 asphalt heat preservation tanks	3505	556	NCB	Prior Review	June, 2016	3	
24	HAMP-GD-20	The procurement of small milling machine at maintenance and emergency response centers in Highway Management General Sections at county level	63 small milling machines	5985	950	NCB	Prior Review	Oct., 2016	2	
25	HAMP-GD-21	The procurement of five-small-maintenance-equipment at Highway Management Stations	1125 five-small-maintenance-equipment at highway management stations (cutting machines, hydraulic power drills, impact rammers, plate rams, single drum rollers)	4500	714	NCB	Prior Review	Sep., 2017	2	
<b>三、 Pilot of road segments maintenance project in pavement maintenance program-the procurement of cold recycling equipment</b>				<b>3860</b>	<b>613</b>					
26	HAMP-GD-22	The cold recycling equioment for asphalt pavement	A set of cold recycling equipment for asphalt pavement, 3 milling machines for asphalt pavement, and 3 sets of mobile field mixing equipment	3860	613	NCB	Prior Review	Sep., 2016	1	
<b>C. Consulting Services</b>				<b>6127</b>	<b>972</b>					
<b>一、 Highway asset management integrated information system</b>										
27	HAMP-CS-01	Big Dipper satellite dynamic monitoring system for bridge and slope	Software integration of 30 sets of equipment in Big Dipper satellite dynamic monitoring sites	150	24	SSS(TBD)	Prior Review	Dec., 2015	2	TBD
<b>二、 Strengthening institutional capacities of highway asset management</b>				<b>150</b>	<b>24</b>					
28	HAMP-CS-02	Develop highway asset evaluation guideline and conduct asset evaluation	Develop highway asset evaluation guidelines, guide asset evaluation, and organize asset evaluation on the trunk highway managed and maintained by YHB	1620	257	QCBS	Prior Review	Dec., 2015	5	

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29	HAMP-CS-03	Develop highway asset financial accounting guideline	Develop highway asset financial accounting guideline	526	83	QCBS	Prior Review	Dec., 2015	5	
30	HAMP-CS-04	Develop highway maintenance manual	Develop highway maintenance manual	300	48	QCBS	Post Review	Mar., 2016	5	
31	HAMP-CS-05	Applying highway asset management approach	Research on the asset management system of the ordinary national and provincial trunk highway in Yunnan province	308	49	QCBS	Prior Review	Mar., 2016	5	
32	HAMP-CS-06	Highway safety status research	Research on the safety situation of the ordinary national and provincial trunk highway in Yunnan province	400	63	QCBS	Prior Review	July, 2016	5	
33	HAMP-CS-07	Improve highway performance monitoring indicators	Research on the performance management system of the ordinary national and provincial trunk highway in Yunnan province	123	20	CQS	Post Review	July, 2016	5	
<b>三、 Consulting services in project management</b>				<b>2700</b>	<b>429</b>					
34	HAMP-CS-08	Consulting services in project management	Information system IT consulting, highway asset management consulting, project management consulting, external environment monitoring, contract management, financial management, safeguards research and consulting, etc	1830	290	QCBS	Prior Review	Aug., 2015	5	
35	HAMP-CS-09	External monitoring and evaluation of the ethnic minority development and the affected people	Social (resettlement and ethnic minority development)	170	27	CQS	Prior Review	Aug., 2015	5	
36	HAMP-CS-10	Yunnan highway asset management integrated information system testing	Functional testing (black box), performance testing, security testing, etc.	300	48	QCBS	Prior Review	Mar., 2016	4	TBD
37	HAMP-CS-11	Construction supervision for field facilities of Yunnan highway asset management integrated information system	Quality, progress and cost control, information and information security management, intellectual property protection, organization and coordination, etc.	400	63	QCBS	Prior Review	Mar., 2016	4	TBD