

**LIST OF TRANSPORTATION PROJECTS UNDERTAKEN BY
MM PAKISTAN (PVT) LTD.**

Project	Client	Description	Fee Million	Value Million	Completion
Rawalpindi Ring Road-2 City Circle	Rawalpindi Development Authority	Project Feasibility study and design for Rawalpindi Ring Road city boulevard 56 km road.	Rs. 18 m		2010
Technical Review of Developer's Bid on Dualization of Hyderabad-Mirpurkhas Road	Finance Department, Government of Sindh	<p>Public Private Partnership (PPP) Unit of Finance Department appointed MM Pakistan to review the Developer's Bid for dualisation of existing 67 km long road connecting Hyderabad city and Mirpurkhas passing through Tando Jam and Tando Allahyar Towns.</p> <p>This tolled road is to be constructed, operated and maintained on Build, Operate and Transfer basis for a concession period of 20-30 years. Consultants services included the following:</p> <ul style="list-style-type: none"> ▪ Developer's technical proposal review. ▪ Review of design criteria. ▪ Review of traffic projections. ▪ Review cost data and basis of the proposal. ▪ Comments on proposal conditions. ▪ Analysis / comments of technical and financial capability of the developer. ▪ Financial review. ▪ Technical review of concession agreement. 	Rs. 3.0		2009
Lahore – Faisalabad Dual Carriageway Project- BOT-2	LAFCO / FWO	The services include detailed engineering comprising of topographic survey, capacity analysis, traffic analysis and forecasting phases, hydraulic design, structural design, financial and economical analysis, cost estimation and construction supervision. The work of construction supervision is in progress.	Rs. 25	Rs. 3900	2007
Feasibility Study for Construction of two lane Highway from Hyderabad-Khokhrapar	National Highway Authority	<p>Feasibility study and Survey work related to the Hyderabad-Khokhrapar. Proposed alignment of the road.</p> <ul style="list-style-type: none"> ▪ Reconnaissance Survey ▪ Geotechnical investigation ▪ Topographic Survey ▪ Traffic Count Study ▪ Proposed Design of Hydraulic and irrigation structures as per site requirements. ▪ Draft Feasibility Report ▪ Final Feasibility Report 	Rs. 5.0		2006
Construction Supervision and Design of Three Pilot Rural Roads, Yemen	Ministry of Public Works & Highways Rural Access Project Central Management Office (RAPCMO)	<p>The project components include significant local participation and consultation in the planning and road maintenance processes. The project will also set the basis for the establishment of institutional frameworks and capacity building to support decentralized management of rural access improvements.</p> <p>The duration of the projects is 14 months in which pilot design and construction of three road segments is involved. They are:</p>	US\$ 0.923		2004

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		<p><i>Detailed Design</i></p> <ul style="list-style-type: none"> ▪ Al Taffa-Awin Road (33 km) ▪ Al Turbah-Tor Al Baha (18 km) ▪ Khamis Bani Saad Al Mahwit (30km) ▪ Al Camb-Maqbanah (22 km) <p><i>Supervision</i></p> <ul style="list-style-type: none"> ▪ AlTurbah-Tor AlBahah Road (8.9km) ▪ Al Taffa-Awin (42 km) 			
Construction Supervision Consultancy Services Contract Khamis Bani Sa'ad Al Kuta'a Road Project (Yemen)	Ministry of Public Works & Highways Rural Access Project Central Management Office (RAPCMO)	The project components include significant local participation and consultation in the planning and road maintenance processes. The project will also set the basis for the establishment of institutional frameworks and capacity building to support decentralized management of rural access improvements. The duration of the project is 12 months involving Construction Supervision of Khamis Bani Sa'ad Al-Kuta'a Road Project (10 km).	US\$ 0.230		2004
Design of Ruwi-Wadi Link Road (P1-Road), Muscat, Sultanate of Oman	Muscat Municipality, Directorate General of Technical Affairs, Sultanate of Oman	Design of Ruwi-Wadi Al Kabeer Link is under progress for the Muscat Municipality, Sultanate of Oman by Mott MacDonald and Co. LLC. The services for the project are being performed by MM Pakistan (Pvt) Ltd for and on behalf of the MM and Co LLC. The Project falls into three phases Phase I involves the traffic study, engineering design and tender documentation Phase II involves bid evaluation and assistance to Muscat Municipality with tendering and award of work Phase III involves construction supervision of the said road	71,881 OR =182,748 US\$)		2003
Construction Drawings For Bhit Airstrip New Construction	LASMO Oil Pakistan Ltd.	LASMO Oil Pakistan Ltd. wanted to construct a new airstrip on the western side of existing airstrip near its Bhit Gas Field. The new airstrip would serve Fokker aeroplanes which could be operated at the existing airstrip.	0.15		2001
Bhit Airstrip New Construction Design	LASMO Oil Pakistan Ltd.	The services provided for the engineering design of the new construction of Bhit Airstrip included: <ul style="list-style-type: none"> ▪ Digital topographic survey ▪ Detailed pavement design including Three Surface Treatment (TST) option. ▪ Mix design of asphalt mixes for different surface asphalt layers. ▪ Drainage design. ▪ Geometric design of the runway. ▪ Design reports, Tender Documents, Technical Specifications, BOQ, Engineer's Estimates and Tender Drawings. 	0.350		2001
Bhit Airstrip Upgradation – Design	LASMO Oil Pakistan Ltd.	The services provided for the engineering design of the existing Bhit Airstrip and for its upgradation included: Digital topographic survey; detailed	0.420		2001

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		pavement design with triple surface treatment (TST) option; mix design of Asphalt Mixes for different surface asphalt layers (As per Asphalt institute guidelines); drainage design; geometric design; design reports; Tender Documents; Technical Specifications; B.O.Q. Engineers Estimates and Tender Drawings			
Engineering Design Vetting and Construction Supervision for Improvement of Karakoram Highway (Mansehra - Chilas 316 Km)	Govt. of Pakistan	Design vetting, construction supervision, feasibility study of 316 Km, Traverse and topo survey soil and material, traffic and axle study pavement evaluation landslide and slope stability machinery and equipment report, hydrological study report, feasibility study, specification design report, preliminary design report of drawings, cost estimate, final design, tender documents, environment study.	Rs. 25.36		2001
Design and Top Supervision of Roads under Big Cities Package for Rawalpindi	RDA	The scope of services included the topographic survey, soil investigations for pavement design/evaluation, geometric designs, pavement designs, relocation/accommodation of utilities services, typical construction details and specifications etc.	Rs. 2.5		2001
Bhit Airstrip Upgradation	LASMO	Evaluation of the existing Airstrip including Soil Investigation to determine its suitability for Twin Otter and Fokker flights meeting CAA requirements	Rs. 0.26		2000
Design of interchange at Zero point, Islamabad	Capital Development Authority (CDA)	Topographic survey, geotechnical investigations, flyover design including slip roads at Zero point, Islamabad	Rs. 0.8		2000
Lahore Ring Road re-alignment Project.	DAEWOO	Feasibility study, traffic survey and selection of new proposed route for Lahore ring road for private sector participation.	Rs. 8.0		1999
Construction Supervision of All Weather Internal Road for protecting the Qadirpur Gas Field	OGDC	Provided construction supervision with measurement of quantities, certification of contractor's claims, quality assurance and co-ordination with the client.	Rs. 0.7	Rs. 17.5	1999
Technical Assistance for Quality Assurance	World Bank/ Govt. of Indonesia	Secondment of Highway Engineer to MM Jakarta for assignment for D.G. Highway (Bina Marga) Technical Assistance services to Quality Assurance Unit.	US\$ 0.053		1998
Pakistan Motorway - Bridge Remedial Works	Daewoo	Investigation of foundation and damage to a bridge on Motorway near Chakwal being built by M/s Daewoo.	Rs. 0.336		1997
Pakistan Motorway Project - Bridge BD12C5 and BD12C6	Daewoo	Design of rehabilitation works on bridge in salt range and construction supervision of remodelling works.	Rs. 0.213		1997
Design of Key Hole Access Road Bridge and Location	UTP	Preparation of design & specification for the Doti Road to North Bank Tidal Link and South Bank to Key Hole # 1. Geotechnical investigation and Conceptual Design of a Bridge Over Tidal Link.	US\$ 0.062		1996
Detailed Design of Ring	Govt. of Punjab	Network planning, selection of Ring	Rs. 2.9		1996

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Road and Network Planning for Guided Development		Road and major arterial, geotechnical investigation, detailed design of Ring Road, Acq. plan for major arterial road future land use.			
Design and Construction Supervision of Underpasses	Govt. of Punjab,	Topographic survey, soil investigation, design, cost estimates for RGH and Committee Chowks.	Rs. 0.79		1995
Lahore Ring Road Feasibility Study and Detailed Design	World Bank/ LDA	Assessment of present situation on the Project and Presentation of Progress and future action, preparation and design of a project document summarizing key features of the project, review of existing studies and preparation of a brief project digest from them.	£ 0.45 Rs. 8.6		1995
Feasibility Study and Detailed Engineering Design of Lahore Ring Road	LDA-TEPA/ World Bank	Feasibility study and detailed design of Lahore Ring Road to deflect external and cross city traffic away from the central areas of the city.	Rs. 24.5	Rs. 1800	1993
Islamabad - Peshawar Motorway Project	NHA	Advisory services on hydraulic aspects of the design of the motorway.	Rs. 0.5		1993
Environmental Study for Lahore Ring Road, Punjab	World Bank/ LDA	Assessment of the environmental impact of the proposed Lahore Ring Road to deflect external and cross city traffic away from the areas of the city.	£ 0.062 Rs. 1.26		1993