

DAVA

PLANNING
ENGINEERING
SURVEYING

& ASSOCIATES, INC.

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April 9, 2012

374LKVLY/PRO

Norm Davis, P.E.
Public Works Director
7501 E. Civic Circle
Prescott Valley, AZ 86314

Dear Mr. Davis:

RE: CONSTRUCTION PERIOD ENGINEERING SERVICES PROPOSAL
FOR PAVEMENT REPLACEMENT, LAKE VALLEY ROAD

Dava & Associates, Inc. is pleased to provide this proposal for construction period engineering services for Lake Valley Road Pavement Replacement Project. Our proposed work scope is enclosed with the following estimated maximum fees summarized below:

Design Period Services	\$ 7,889.00
Reimbursable	<u>\$ 55.00</u>
Design Subtotal	\$ 7,944.00

The above scope of services will be provided on a time and materials basis in accordance with our Town Engineer contract and will not exceed the estimated maximum fee. If this proposed scope of services meets with your approval, we are ready to proceed at your direction.

Should you have any questions, please contact me.

Sincerely,

DAVA & ASSOCIATES, INC.


Gordon Bowers, P.E.
Civil Engineer

Encl.

SCOPE OF PROFESSIONAL SERVICES and FEES

The Town of Prescott Valley opened bids for the Lake Valley Road Rehabilitation Project, CIP No. S355, on April 2, 2012 and intends to award the construction contract to Asphalt Paving and Supply. The project involves replacing the existing pavement on Lake Valley Road between Florentine and Lakeshore Drive and will commence in the final week of May to be completed by the third week in June.

Dava & Associates, Inc. in association with Engineering & Testing Consultants, Inc. (ETC) is pleased to provide this Scope of Professional Services for construction period engineering services for the construction of the Lake Valley Road Pavement Rehabilitation Project as follows:

The basic service tasks Dava & Associates will accomplish for this project are listed herein.

Task 1 – Pre Construction Administration Services:Fixed Fee of \$400

Dava & Associates, Inc. will attend the pre-construction meeting with the Town and the Contractor to initiate the coordination for the construction activities. Pre-construction submittals will be reviewed and recommendations made to the Town on acceptance of construction materials proposed to be used by the Contractor.

Task 2 – Construction Period Control Surveys:Fixed Fee of \$ 2,730

Dava & Associates will provide Field Surveys to establish construction control to assist the Contractor in implementing the project. Computation and field survey will be done to set the pavement removal limits; grade control for material removal; and blue top control for the paving surface.

Task 3 – Observation of Activities and Quality Assurance:Fixed Fee of \$ 3,629

In conjunction with Town personnel, Dava & Associates will provide part-time coordination of construction activities to monitor Contractor conformance to the intent of the plans through-out the anticipated 4-week construction duration. ETC will provide construction observation during the paving and chip seal operations. Quality Assurance Testing will be provided by ETC and include an ABC proctor; two Marshall density tests; two AC gradation test; two Voids test; ABC and Chip gradation tests; and a Chip LA Abrasion test.

LAKE VALLEY ROAD PAVEMENT REHABILITATION

April 9, 2012

Task 4 – Preparation of Record Construction Drawings:Fixed Fee of \$ 1,185

Dava & Associates will measure as-constructed quantities and prepare the record construction drawings. Final accounting of contractor payment requests will be evaluated and recommendation for payment will be submitted to the Town for their approval.

PROJECT FEES:

The following estimated fixed fees for the above described scope of services are based on the enclosed staff hour estimate:

Task 1	\$ 400.00
Task 2	\$2,730.00
Task 3	\$3,629.00
Task 4	\$ 1,185.00

FIXED FEE COST NOT to EXCEED:\$ 7,944.00

Should additional services not anticipated by this scope be identified over the course of the project, we will prepare and present supplemental project scopes for consideration. Reimbursable expenses include foreseeable printing and reproduction costs normal to the work described and include 10% for administration in accordance with our Town Engineer's contract.



Engineering & Testing Consultants, Inc

Quality Control Cost Estimate

Date - March 22, 2012

Lake Valley Road Pavement Rehabilitation Project (Revised) Prescott Valley, AZ

PROPOSED SERVICES:

Q/A for ABC, A/C, Chips Sampling & Testing
Chips Observation

Quality Control Testing, ABC

Quality Control Technician	4	Hrs.	\$70	Per hr.	\$280
Senior Level Technician	0	Hrs.	\$75	Per hr.	\$0

Quality Control Testing, Asphalt

Quality Control Technician (Asphalt Compaction)	16	Hrs.	\$70	Per hr.	\$1,120
Quality Control Technician (Chips Observation)	4	Hrs.	\$70	Per hr.	\$280

Laboratory Testing

ASTM D-698 Proctor (ABC)	1	Each	\$120	Per test	\$120
Marshall Density	2	Each	\$100	Per test	\$200
AC Content/Gradation by Ignition Oven	2	Each	\$150	Per test	\$300
Rice Test (Voids)	2	Each	\$120	Per test	\$240
PI/Gradation(wet prep) - ABC	1	Each	\$175	Per test	\$175
Gradation - Chips	1	Each	\$75	Per test	\$75
Los Angeles Abrasion (L.A.R) Chips	1	Each	\$200	Per test	\$200

ESTIMATED COST, BASE BID/QC Tests \$2,990

Any night or weekend work will be billed at 1.5 times normal rates. (Not included in this proposal)
 This proposal does not include A/C or Concrete plant control.
 Rates are portal to portal from our Prescott office with no mileage charges or minimum hourly trip charges.
 This estimate is based on our review of the project documents.
 We do not intend to say that the project can be constructed within the time frame we listed.
 For estimating purposes you should use our unit rates.
 ETC will only invoice for actual time and costs for the project.
 This estimate is based on an on-call basis only and it is the responsibility of the client for scheduling.

CLIENT: TOWN OF PRESCOTT VALLEY																
JOB: LAKE VALLEY ROAD PAVEMENT REPLACEMENT																
DATE: April 9, 2012																
ITEM	DESCRIPTION	PRIN	SRPE	JRPE	SRDSN	TECH	SRLS	JRLS	LSIT	2CREW	3CREW	GPS	CLRCL	REIMB	TOTAL	TOTAL COST
		\$100	\$95	\$85	\$75	\$65	\$85	\$65	\$60	\$100	\$140	\$25	\$40	\$	HOURS	
C	CONSTRUCTION PERIOD															
1	PRE-CONST ADMIN	4													4	\$400.00
2	CONTROL-SRVYS			4			2	4		20		12			26	\$2,730.00
3	OBSERVATION			4											4	\$340.00
4	RECORD/DRAWINGS					2		2		4		4			8	\$760.00
5	PAYMENT REVIEW	2		2											4	\$370.00
6	ETC TESTING & OBSERVATION													\$2,990		\$3,289.00
7	REIMBURSABLE													\$50		\$55.00
	SUBTOTAL	6	0	6	0	2	2	6	0	24	0	16	0	46	46	\$7,944.00
	PROJECT TOTAL	6	0	6	0	2	2	6	0	24	0	16	0	46	46	\$7,944.00
	D & A DESIGN TOTAL															
	D & A CONSTRUCTION															\$4,600.00
	ETC TESTING													\$ 2,990		\$3,289.00
	REIMBURSABLE													\$ 50		\$55.00
	TOTAL															\$7,944.00