

TO: James L. App, City Manager
FROM: Doug Monn, Public Works Director
SUBJECT: Annual Street Maintenance
DATE: July 17, 2007

NEEDS: For the City Council to consider awarding contracts for annual street maintenance work (street overlay and slurry seal), expanding the existing contract with Pavement Engineering Inc., and appropriating additional budget for the project.

- FACTS:**
1. The City Council adopted its Pavement Management Program on December 19, 2006.
 2. The policy outlines the need to perform annual street maintenance as follows:
 - Perform slurry seal or light overlays to maintain a Pavement Condition Index (PCI) of 80 for arterial and collector streets and 70 for residential streets.
 - Perform major reconstruction for streets that are beyond the stage of improvement with slurry seals or light overlays.
 - Perform work in downtown alleys.
 3. The annual maintenance was separated into two separate bids. Bid one being major reconstruction work (grinding and overlay) to be performed to Nickerson and Appaloosa Street from Creston to Niblick. Additionally the north – south alley west of Spring Street (adjacent to Timmy T’s Pizza) between 12th and 13th Streets would be reconstructed.
 4. Bid documents for this work were prepared, and bids opened on June 28, 2007. Four bids were received:

Ferravanti Grading & Paving	\$288,900.70
Granite Construction	\$335,084.00
Union Asphalt	\$338,617.90
R. Burke Corp.	\$410,565.70
 5. The second maintenance bid was for slurry seal of the streets located in the River Bank Tract. Bid documents for this work were prepared, and the bids opened on June 28, 2007. Only one bid was received, from Manhole Adjusting Contractors, in the amount of \$653,815.23.
 6. Recommendations for both maintenance projects were based on the needs priorities established as part of the adoption of the City’s Pavement Management Plan.
 7. Proper compaction of asphalt concrete has a direct relation to its service life. The adopted Pavement Management Program provides strict compaction standards that must be met. The compaction standards have been included as part of the bid documents. To ensure the installation is completed in strict adherence to the specifications, will require that a City representative be at the job site to provide inspection and documentation that contract conditions have been adhered to.

8. Pavement Engineering Inc. is currently on contract with the City to evaluate the City's street network system. They also drafted the City Pavement Management Plan. Pavement Engineering Inc has provided a Scope of Work and Fee Proposal, in the amount of \$57,820, to provide inspection services for the City's annual street maintenance work.

ANALYSIS

AND

CONCLUSION:

Staff reviewed the low bid submitted by Ferravanti Grading & Paving (street overlay) in the amount of \$288,900.70, and the sole bid from Manhole Adjusting Contractors (slurry seal) in the amount of \$653,815.23, and found them to be responsive bids. Additionally as Pavement Management is currently under contract to the City to evaluate the street network system, it would seem the best interest of the city and most cost effective to amend their existing contract to provide inspection services for the annual maintenance work.

POLICY

REFERENCE:

Pavement Management Program, adopted 2006
Adopted CIP Budget

FISCAL

IMPACT:

The project funding needs for this year's street maintenance work is as follows:

Street overlay	\$288,900.70
Slurry Seal (Riverbank tract only)	\$653,815.23
Inspection	\$ 57,820.00
Contingency	<u>\$ 50,000.00</u>
	\$1,050,535.93

The adopted CIP budget for this project is \$900,000 for FY 2007-2008 and \$900,000 for FY 2008-2009 (see attached). The City Council will need to appropriate an additional \$151,000 for FY 2007-2008 while reducing the amount budgeted for FY 2008-09 by a like amount.

OPTIONS:

- a. Adopt Resolution No. 07-xx to:
 - 1) Approve a supplemental budget appropriation of \$151,000 to Budget No. 200.910.5452.594 for fiscal year 2007-08;
 - 2) Approve a CIP Budget modification by reducing the fiscal year 2008-09 appropriation from \$900,000 to \$749,000;
 - 3) Award the street overlay project to Ferravanti Grading and Paving in the amount of \$288,900.70;
 - 4) Award the street slurry seal project to Manhole Adjusting Contractors in the amount of \$653,815.23;
 - 5) Approve expanding the contract of Pavement Engineering Inc. to include inspection services for the City's annual street maintenance, in the amount of \$57,820.
- b. Amend, modify, or reject the above option.

Attachments (3)

- 1) Resolution
- 2) Location Map
- 3) CIP Budget
- 4) Scope of Work & Fee Proposal

PROPOSED
Capital Improvement Projects Budget
FY 2007-2008 to 2010-2011

	ORIGINAL APPROPRIATION	REMAINING APPROPRIATION 3/31/07	REQUEST TYPE	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	TOTAL REQUEST
TRANSPORTATION PROJECTS								
1 Install Sidewalk Westside of Riverside @ Fair Parking Lot			NP			190,000		190,000
2 ADA Curb Cut Improvements			NP	100,000	100,000	100,000	100,000	400,000
3 Annual Street Program			NP	900,000	900,000	900,000	900,000	3,600,000
4 Install Signal @ 4th & Spring - City Share	20,000	(6,200)	SUP	300,000				300,000
5 4th & Pine Re-alignment			NP	5,000,000				5,000,000
6 13th Street Bridge Environmental Mitigation			SUP	50,000	10,000	10,000	20,000	90,000
7 Project approvals and Env. Docs (PAED) 101/46W	600,000	434,500	CO	434,500				434,500
8 S. Vine Street Bikeway Project			NP	200,000	1,486,000	2,000,000		3,686,000
9 Flansom Gateway Improvements			NP	1,700,000	800,000			2,500,000
10 Prepare PSR for Airport Road	211,200	69,500	CO	69,500				69,500
11 Creston Road Imps - Phase III & IV (Preliminary Design & Master Plan)	250,000	22,300	CO	22,300				22,300
Subtotals	\$ 1,081,200	\$ 520,100		\$ 8,776,300	\$ 3,296,000	\$ 3,200,000	\$ 1,020,000	\$ 16,292,300
FUNDING USES:								
Traffic Mitigation Impact Fee Fund				\$ 3,596,800	\$ 200,000	\$ 2,000,000	\$ -	\$ 5,796,800
SLOCOC Grants				360,000	1,286,000			1,646,000
City Facility Repair Fund				100,000	100,000	100,000	100,000	400,000
Sale of 4th & Pine Street City Property				1,700,000				1,700,000
General Fund				1,769,500	800,000			2,569,500
CDBG						190,000		190,000
BorKey Specific Plan Fund				1,250,000	910,000	910,000	920,000	3,990,000
Gas Tax/TDA Fund				8,776,300	3,296,000	3,200,000	1,020,000	16,292,300
*Final amount subject to final year end results								
FUNDING SOURCES:								
Traffic Mitigation Impact Fees Balance Forward				\$ 851,300				\$ 851,300
COG Transportation Grant				1,646,000				1,646,000
Traffic Mitigation Impact Fees Revenues				1,397,200	1,751,450	2,023,250	2,047,600	7,219,500
Balance Available								9,716,800
Total Estimated Expenditures								(5,796,800)
Projected Ending Balance								\$ 3,920,000
Gas Tax / TDA Balance Forward				\$ 1,094,400				\$ 1,094,400
Transfers IN				400,000		150,000	250,000	800,000
Gas Tax Revenues				335,000	637,500	645,000	650,000	2,267,500
Balance Available								4,161,900
Total Estimated Expenditures								(3,990,000)
Projected Ending Balance								\$ 171,900



July 3, 2007

MP07-289A

Ms. Ditas Esperanza
City of Paso Robles
1000 Spring Street
Paso Robles, CA 93446

Subject: Proposal for Engineering Support / Contract Administration, Inspection and Quality Assurance Control Services for the 2006/2007 Annual Overlay Program and the 2006/2007 Annual Cape & Slurry Seal Program - Project Nos. DPW 07-05A & DPW 07-05B

Dear Ditas:

In accordance with your request, we are providing our proposal for engineering support / contract administration, inspection and quality assurance control services for the subject project.

Our proposal includes providing complete construction management support, inspection and testing services during construction. The scope of work can be modified to reflect any areas where the City will provide services. All work will be overseen directly by one of our registered engineers. Inspection personnel will depend on the exact timing of the project work.

Engineering Support / Contract Administration Services

Engineering Support / Contract Administration Services include; meeting attendance including preconstruction, progress and final inspection, submittal review, technical change order development and project closeout. Included are weekly project visits by the project manager. The project manager will be the owner's representative liaison for the construction project and will report on the project progress, quantities and provide written daily inspection reports. The written reports will be submitted to the City at the end of the project.

Inspection Services

PEI will provide inspection which can maintain quality assurance during construction while keeping the City informed

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regarding progress of the work, traffic control feedback and other construction related information. During construction, we are proposing to provide full time inspection. During paving, our inspectors will provide laydown inspection including thickness control and monitoring placement. Compaction will be performed using a nuclear gauge.

Testing and Quality Assurance

During construction, we have included quality assurance testing of the asphalt concrete materials.

For the overlay quality assurance work, PEI will collect asphalt concrete samples and perform mix design tests from every 1,000 tons of asphalt concrete placed or one test per paving day for surface course material. Asphalt concrete used for the leveling course will be sampled at 2,000 tons. Asphalt concrete mix design tests include determining the following: Stability (CTM 366), LTMD (CTM 308), Rice Gravity (ASTM D2041 and Oil Content (CTM 392).

For the slurry/cape seal quality assurance work, PEI will collect asphalt samples from the truck and return them to our laboratory for possible future testing. No tests will be performed unless material problems occur in the field. Aggregate samples will be collected and gradations performed to ensure the material is meeting specifications. The exact frequency of these tests can be determined, however, we have proposed performing two gradings per week.

Overtime will be charged for days longer than 8 hours. Our inspection fees account for prevailing wages. The estimated fees breakdown as follows:

<u>Engineering Support</u>	<u>Estimated No. of Hours/Units</u>	<u>Rate</u>	<u>Total</u>
Project Management/ Engineering Oversight	5 hours	\$135/hour	\$675
Clerical	10 hours	\$55/hour	\$550

Estimated Contract Admin. Fees: \$1,225

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<u>Inspection</u>	<u>Estimated No. of Hours/Units</u>	<u>Rate</u>	<u>Total</u>
Inspection (Full Time) (Overlay)	200 hours	\$90/hour	18,000
Inspection (Full Time) (Cape Seal)	200 hours	\$90/hour	18,000
Project Management	60 hours	\$135/hour	\$8,100
Equipment/Vehicle Usage	400 hours	\$ 11/hour	<u>4,400</u>

Estimated Inspection/Admin Fees: \$48,500

<u>Materials Testing/Quality Assurance</u>	<u>Estimated No. of Hours/Units</u>	<u>Rate</u>	<u>Total</u>
Compaction Testing (5 paving days)	40 hours	\$ 90/hour	3,600
Project Management	8 hours	\$135/hour	\$1,080
Equipment/Vehicle Usage	40 hours	\$ 11/hour	440
Asphalt Mix Tests	5 tests	\$475/test	2,375
Gradings	6 tests	\$100/test	<u>600</u>

Estimated Material Testing Fees: \$8,095

Total Estimated Fees: \$57,820

<u>Overtime Rates</u>	<u>Time and a half</u>	<u>Double Time</u>
Inspection	\$115/hour	\$135/hour
Compaction Testing	\$115/hour	\$135/hour

Our fee is an estimate, based on our knowledge of similar construction. The contractor's actual schedule may result in a different level of effort and a modified estimate. The outlined level of effort is estimated based on an 8 hour day and providing engineering support / contract administration, testing and inspection services for two contracts of 30 working days each, with the contractor placing approximately 2,200 tons of asphalt and approximately 400,000 square feet of cape/slurry seal, along with

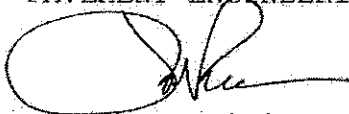


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associated prep work. This proposal assumes that the City will monitor the contractor, pertaining to all labor compliance issues. We will invoice the City for these services on a time and materials basis at the above rates. Additional materials tests will be invoiced per the attached Laboratory Fee Schedule.

The attached proposal conditions apply. Please feel free to contact me at (805) 781-2265 with any questions.

Very truly yours,
PAVEMENT ENGINEERING INC.



Joseph L. Ririe, P.E.
Principal

Attachments: Proposal Conditions
Laboratory Fee Schedule

pc: C File
M File
MP File S/R/P

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RESOLUTION NO. 07-

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES
AWARDING THE CONTRACT FOR ANNUAL STREET MAINTENANCE

WHEREAS, the City adopted a Pavement Management Program on December 19, 2006; and

WHEREAS, the policy outlines the need to perform annual street maintenance as follows: perform slurry seal or light overlays to maintain a Pavement Condition Index (PCI) of 80 for arterial and collector streets and 70 for residential streets; perform major reconstruction for streets that are beyond the stage of improvement with slurry seals or light overlays; and perform work in downtown alleys); and

WHEREAS, for 2007 overlay work, staff recommends that major reconstruction work be performed for Nickerson/Appaloosa from Creston to Niblick, and alley work be performed for the north-south alley west of Spring Street between 12th and 13th Streets; and

WHEREAS, for 2007 slurry seal work, staff recommends that work be performed for streets in the Riverbank Tract; and

WHEREAS, bid documents were prepared and bids advertised for annual street maintenance (overlay/rehab and slurry seal/cape seal); and

WHEREAS, at the bid opening on June 28, 2007, four bids were received for street overlay work ranging from \$288,900.70 to \$410,565.70; and

WHEREAS, at the bid opening on June 28, 2007, one bid was received for slurry seal work in the amount of \$653,815.23; and

WHEREAS, staff reviewed the low bid submitted by Ferravanti Grading & Paving for street overlay work, and the sole bid submitted by Manhole Adjusting Contractors for street slurry work, and found them to be responsive bids; and

WHEREAS, Pavement Engineering Inc. is currently under contract with the City to evaluate the City's street network system, and has submitted a Scope of Work and Fee Proposal in the amount of \$57,820 to provide additional services in the form of inspections for the City's annual street maintenance work; and

WHEREAS, funding needs for this year's street maintenance work is as follows:

Street Overlay	\$288,900.70
Slurry Seal (Riverbank tract only)	653,815.23
Inspection	57,820.00
Contingency	<u>50,000.00</u>
	\$1,050,535.93

WHEREAS, the City has adopted a total budget of \$900,000 for this year's annual street maintenance (overlay/rehab and slurry seal/cape seal); and

WHEREAS, staff requests appropriation of an additional \$151,000 for FY 2007-2008 annual street maintenance resulting in a reduction of available resources for FY 2008-2009.

THEREFORE, BE IT RESOLVED AS FOLLOWS:

SECTION 1. The City Council of the City of Paso Robles does hereby approve a one time supplemental appropriation of \$151,000 to Budget No. 200.910.5452.594 and allocates funding for annual street maintenance as follows:

Street Overlay	\$288,900.70
Slurry Seal (Riverbank tract only)	653,815.23
Inspection	57,820.00
Contingency	<u>50,000.00</u>
	\$1,050,535.93

SECTION 2. The City Council of the City of Paso Robles does hereby approve a Capital Improvement Projects Budget modification by reducing the amount allocated for annual street maintenance in fiscal year 2008-2009 by \$151,000.

SECTION 3. The City Council of the City of Paso Robles does hereby award the contract for annual street maintenance (overlay and rehab) to Ferravanti Grading & Paving in the amount of \$288,900.70, and authorizes the City Manager to execute the contact.

SECTION 4. The City Council does hereby award the contract for annual street maintenance (slurry seal) to Manhole Adjusting Contractors in the amount of \$653,815.23, and authorizes the City Manager to execute the contact.

SECTION 5. The City Council does hereby authorize expansion of the existing contract with Pavement Engineering Inc. to include additional inspection services for the City's annual street maintenance, in the amount of \$57,820.

PASSED AND ADOPTED by the City Council of the City of Paso Robles this 17th day of July 2007 by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

Frank R. Mecham, Mayor

ATTEST:

Deborah D. Robinson, Deputy City Clerk