



AGENDA REPORT

Meeting Date: August 19, 2008
Item Number: F-6
To: Honorable Mayor & City Council
From: Ara Maloyan, Deputy City Engineer
Subject: APPROVAL OF AN AGREEMENT BETWEEN THE CITY OF BEVERLY HILLS AND HARRIS & ASSOCIATES FOR MAINTENANCE OF THE PAVEMENT MANAGEMENT PROGRAM IN THE AMOUNT OF \$103,929
Attachments: Agreement

RECOMMENDATION

Staff recommends that the City Council move to approve an agreement between the City of Beverly Hills and Harris & Associates for \$103,929 to maintain and update the Pavement Management Program (PMP) from FY2008-09 through FY2011-12.

INTRODUCTION

This report is a request for City Council approval of an agreement between the City of Beverly Hills and Harris & Associates for consulting engineering services related to the maintenance of the City's PMP.

DISCUSSION

Section 2108.1 of the California Streets and Highway Code, states that the City must develop and adopt a PMP to be utilized for managing local streets or highways that receive funding under the State Transportation Improvement Program. All arterial/collector streets must be re-inspected every two (2) years and the PMP updated. Rather than conducting bi-annual updates and inspections, staff recommends annual updates with inspections on 50% of the arterial/collector streets in order to satisfy the state code.

There are approximately 110 miles of streets and 41 miles of alleys throughout the City's roadway network. The City currently budgets approximately \$4,000,000 annually to maintain the roadway network. On November 21, 2006, City Council approved a contract with Harris & Associates to formulate the City's PMP. The final report was completed in December 2007. With the latest PMP in place, the City can now implement an aggressive program to rehabilitate streets before they need considerable reconstruction, thereby saving the City substantial future costs. Since the PMP was

recently completed, only annual updates to the PMP are required. Keeping the PMP updated will facilitate the paving program and identify less costly street improvement alternatives.

Staff recommends that the City enter into an agreement with Harris & Associates for engineering consulting services in the amount of \$103,929 to update and maintain the City's PMP for the next four fiscal years. Harris & Associates will complete the update of the Pavement Management Program and produce a new report each fiscal year within fourteen (14) weeks after receiving the authorization to proceed from the City.

FISCAL IMPACT

The cost to update the PMP for FY2008-2009 is \$25,310. Funds for this project are provided as follows:

DEPT	FUND	PROJECT NUMBER	SUBPROJECT NUMBER	FUNDING SOURCE	AMOUNT
35	12	0554	35-12-0554	Pavement Master Plan	\$ 25,310.00



Scott Miller
Finance Approval



David Gustavson
Approved By

AGREEMENT BETWEEN THE CITY OF BEVERLY HILLS
AND HARRIS & ASSOCIATES FOR MAINTENANCE OF
THE PAVEMENT MANAGEMENT PROGRAM

NAME OF CONSULTANT: Harris & Associates

RESPONSIBLE PRINCIPAL
OF CONSULTANT: Dennis A. Anderson, Project Manager

CONSULTANT'S ADDRESS: 34 Executive Park, Suite 150
Irvine, California 92614-4705

CITY'S ADDRESS: City of Beverly Hills
455 N. Rexford Drive
Beverly Hills, CA 90210
Attention: David D. Gustavson,
Director of Public Works & Transportation

COMMENCEMENT DATE: August 6, 2008

TERMINATION DATE: August 5, 2012

CONSIDERATION: Not to exceed \$103,929.00 based on the
rates set forth in Exhibit B-1

AGREEMENT BETWEEN THE CITY OF BEVERLY HILLS
AND HARRIS & ASSOCIATES FOR MAINTENANCE OF
THE PAVEMENT MANAGEMENT PROGRAM

THIS AGREEMENT is made as by and between the City of Beverly Hills, a municipal corporation (hereinafter called "CITY"), and Harris & Associates (hereinafter called "CONSULTANT").

RECITALS

A. CITY desires to have certain services provided (the "services") as set forth in Exhibit A, attached hereto and incorporated herein.

B. CONSULTANT represents that it is qualified and able to perform the services.

NOW, THEREFORE, the parties agree as follows:

Section 1. CONSULTANT's Services. CONSULTANT shall perform the services outlined in the Scope of Services as set forth in Exhibit A to the full satisfaction of CITY. CONSULTANT shall perform the services in a manner satisfactory to CITY and consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

Section 2. Time of Performance. CONSULTANT shall perform the services on or by the Termination Date set forth above.

Section 3. Compensation. CITY agrees to compensate CONSULTANT, and CONSULTANT agrees to accept in full satisfaction for the services required by this Agreement an amount not to exceed the Consideration set forth above and more specifically detailed in Exhibit B-1, attached hereto and incorporated herein. Said Consideration shall constitute reimbursement of CONSULTANT's fee for the services as well as the actual cost of any equipment, materials, and supplies necessary to provide the services (including all labor, materials, delivery, tax, assembly, and installation, as applicable). CITY shall pay CONSULTANT in accordance with the schedule of payment set forth in Exhibit B-2, attached hereto and incorporated herein.

Section 4. Independent Contractor. CONSULTANT is and shall at all times remain, as to CITY, a wholly independent contractor. Neither CITY nor any of its agents shall have control over the conduct of CONSULTANT or any of CONSULTANT's employees, except as herein set forth. CONSULTANT shall not, at any time, or in any manner, represent that it or any of its agents or employees are in any manner agents or employees of CITY.

Section 5. Responsible Principal(s).

(a) CONSULTANT's Responsible Principal set forth above shall be principally responsible for CONSULTANT's obligations under this Agreement and shall serve as principal liaison between CITY and CONSULTANT. Designation of another Responsible Principal by CONSULTANT shall not be made without the prior written consent of CITY.

(b) CITY's Responsible Principal shall be the City Manager or his designee set forth above who shall administer the terms of the Agreement on behalf of CITY.

Section 6. Personnel. CONSULTANT represents that it has, or shall secure at its own expense, all personnel required to perform CONSULTANT's services under this Agreement. CONSULTANT may associate with or employ associates or subconsultants in the performance of its services under this Agreement with prior written approval of CITY, but at all times shall be responsible for their services.

Section 7. Interests of CONSULTANT. CONSULTANT affirms that it presently has no interest and shall not have any interest, direct or indirect, which would conflict in any manner with the performance of the services contemplated by this Agreement. No person having any such interest shall be employed by or be associated with CONSULTANT.

Section 8. Insurance.

(a) CONSULTANT shall procure and maintain for the duration of the Agreement, insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the work by the CONSULTANT, his agents, representatives, employees or Sub-Consultants. Insurance shall be of the type, in the amounts and subject to the provisions described below.

i. Commercial general liability coverage at least as broad as Insurance Services Office Commercial General Liability occurrence coverage ("occurrence" form CG0001, Ed. 11/88 or equivalent) with minimum limits of \$2,000,000 per occurrence. If the insurance includes a general aggregate limit, that limit shall apply separately to this contract or it shall be at least twice the required per occurrence limit.

ii. Professional Liability Insurance, with minimum limits of One Million (\$1,000,000) Dollars per claim.

iii. Business automobile liability insurance at least as broad as Insurance Services office form CA 0001 (Ed. 1/87 or equivalent) covering Automobile Liability, code 1 "any auto" and endorsement CA 0029 (Ed. 12/88 or equivalent) with minimum limits of One Million Dollars (\$1,000,000) per accident.

iv. Workers Compensation insurance as required by the State of California and employers liability insurance with minimum limits of One Million Dollars (\$1,000,000) per accident.

(b) Evidence of Coverage:

i. Prior to commencement of work under this Agreement, or within 14 days of notification of approval of Agreement, whichever is shorter, CONSULTANT shall file certificates of insurance with original endorsements evidencing coverage in compliance with this Agreement on a proof of insurance form approved by CITY's Risk Manager.

ii. CONSULTANT shall make the insurance policy(ies) required by this Agreement, including all endorsements and riders, available to the CITY for inspection at CONSULTANT's office during regular business hours.

iii. During the term of this Agreement, CONSULTANT shall maintain current valid proof of insurance coverage, with CITY at all times. Proof of renewals shall be filed prior to expiration of any required coverage and shall be provided on a proof of insurance form approved by the CITY's Risk Manager.

iv. Failure to submit any required evidences of insurance within the required time period shall be cause for termination or default.

v. The policy or policies required by this Agreement shall contain a clause that the insurance coverage will not be canceled or materially changed without thirty (30) days prior written notice to the CITY.

vi. In the event CONSULTANT does not maintain current, valid evidence of insurance on file with CITY, CITY may, at its option, withhold payment of any moneys owed to CONSULTANT, or which it subsequently owes to CONSULTANT, until proper proof is filed.

(c) All insurance coverage shall be provided by insurers admitted in the state of California and with a rating of B+;VII or better in the most recent edition of Best's Key Rating Guide, Property-Casualty Edition.

(d) Each insurance policy shall be endorsed to state that coverage shall not be canceled except after 30 days prior written notice provided to the CITY. Upon prior request of the carrier, the notice period may be reduced to 10 days in the event of non-payment of premium.

(e) CONSULTANT's insurance and any insurance provided in compliance with the Agreement (except Professional Liability and Workers Compensation coverage), shall be primary with respect to any insurance or self-insurance programs covering the CITY, its City Council and any officer, agent or employee of CITY.

(f) Where available, the insurer shall agree to waive all rights of subrogation against the CITY, its City Council and every officer, agent and employee of CITY.

(g) Any deductibles or self-insured retentions shall be declared to and are subject to approval by CITY.

(h) In the event that CONSULTANT does not provide continuous insurance coverage, the CITY shall have the right, but not the obligation, to obtain the required insurance coverage at CONSULTANT's expense, and the CITY may deduct all such costs from moneys the CITY owes to the CONSULTANT or from moneys which it subsequently owes to the CONSULTANT.

(i) CONSULTANT's Sub-Consultants shall be required to comply with the insurance requirements set forth in this Section.

(j) All insurance coverage required to be maintained pursuant to the Agreement by the CONSULTANT or his Sub-Consultants (except Professional Liability and Workers Compensation coverage) shall name the CITY, its City Council and every officer, agent and employee of CITY as additional insureds with respect to work under this Agreement.

Section 9. Indemnification.

(a) CONSULTANT agrees to indemnify, hold harmless and defend CITY, City Council and each member thereof, and every officer, employee and agent of CITY, from any claim, liability or financial loss (including, without limitation, attorneys fees and costs) arising from any intentional, reckless, negligent, or otherwise wrongful acts, errors or omissions of CONSULTANT or any person employed by CONSULTANT in the performance of this Agreement.

(b) CONSULTANT shall indemnify, defend and hold harmless the CITY, City Council, and each member thereof, and every officer, employee and agent of CITY, from any claim, liability or financial loss (including attorneys fees) arising out of or related to any claim that the software, any other goods, services or deliverables provided to CITY under this Agreement, or license granted hereunder to CITY, infringes or violates the copyright, trade secret or other proprietary right of any third party.

(c) The indemnification provisions contained in this section shall survive termination of this Agreement.

Section 10. Termination.

(a) CITY may cancel this Agreement at any time upon five (5) days written notice to CONSULTANT. CONSULTANT agrees to cease all work under this Agreement on or before the effective date of such notice.

(b) In the event of termination or cancellation of this Agreement by CITY, due to no fault or failure of performance by CONSULTANT, CONSULTANT shall be paid full compensation for all services performed by CONSULTANT, in an amount to be determined as follows: For work done in accordance with all of the terms and provisions of this Agreement, CONSULTANT shall be paid an amount equal to the amount of services performed prior to the effective date of termination or cancellation; provided, in no event shall the amount of money paid under the foregoing provisions of this paragraph exceed the amount which would be paid CONSULTANT for the full performance of the services required by this Agreement.

Section 11. CITY's Responsibility. CITY shall provide CONSULTANT with all pertinent data, documents and other requested information as is available for the proper performance of CONSULTANT's services. CONSULTANT may reasonably rely on the Information provided by CITY in the performance of work under this Agreement. CONSULTANT shall immediately notify CITY of any errors or omissions in the Information.

Section 12. Documents and Drawings. All data, information, drawings and software prepared for CITY and required to be furnished to CITY in connection with this Agreement ("deliverables") shall become the property of CITY, and CITY may use all or any portion of the work submitted by CONSULTANT pursuant to this Agreement as CITY deems appropriate. CITY may not change CONSULTANT's deliverables under this Agreement, unless CITY obtains the prior written approval of CONSULTANT.

Section 13. Changes in Scope of Work. CITY shall have the right to order, in writing, changes in the scope of work or the services to be performed. Any changes in the scope of work requested by CONSULTANT must be made in writing and approved by both parties.

Section 14. Notice. Any notice required to be given to CONSULTANT shall be deemed duly and properly given upon delivery, if sent to CONSULTANT postage prepaid to the CONSULTANT's address set forth above or personally delivered to CONSULTANT at such address or other address specified to CITY in writing by CONSULTANT.

Any notice required to be given to CITY shall be deemed duly and properly given upon delivery, if sent to CITY postage prepaid to CITY's address set forth above or personally delivered to CITY at such address or other address specified to CONSULTANT in writing by CITY.

Section 15. Successors and Assigns. CONSULTANT shall not assign or attempt to assign any portion of this Agreement without the written approval of CITY.

Section 16. Entire Agreement. This Agreement represents the entire integrated agreement between CITY and CONSULTANT, and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by a written instrument signed by both CITY and CONSULTANT.

Section 17. Governing Law. The interpretation and implementation of this Agreement shall be governed by the domestic law of the State of California.

Section 18. Attorney's Fees. In the event that CITY or CONSULTANT commences any legal action or proceeding to enforce or interpret the provisions of this Agreement, the prevailing party shall be entitled to recover its costs of suit, including reasonable attorney's fees.

Section 19. Severability. Whenever possible, each provision of this Agreement shall be interpreted in such a manner as to be valid under applicable law. If any provision of this Agreement is determined by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions shall nevertheless continue in full force and effect.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the _____ day of _____, 200__.

CITY OF BEVERLY HILLS
A Municipal Corporation

BARRY BRUCKER
Mayor of the City of
Beverly Hills, California

ATTEST:

BYRON POPE
City Clerk

CONSULTANT: HARRIS &
ASSOCIATES



DENNIS A. ANDERSON
Senior Project Manager

APPROVED AS TO FORM:



LAURENCE S. WIENER
City Attorney

APPROVED AS TO CONTENT:



DAVID D. GUSTAVSON
Director of Public Works & Transportation



KARL KIRKMAN
Risk Manager

EXHIBIT A

SCOPE OF SERVICES

Project Approach and Scope of Work

Background and Understanding of the Scope of Work

The last comprehensive update to the CITY's Pavement Management Program was completed in 2006 by CONSULTANT (Report dated July 24, 2007), which included a citywide field survey of all public streets and alleys. It is CONSULTANT's understanding that the CITY intends to update their current pavement database over a four year period (2008-2011) while continuing to use the APWA MicroPaver software system.

CONSULTANT shall provide the necessary services for the CITY's Citywide Pavement Management Program Update, including data collection, field survey, data entry, analysis, maintenance planning, and final report preparation. CONSULTANT's objective is to assist the CITY in developing a pavement management system that is accurate for the current condition of the CITY streets.

The following tasks have been established in order to attain this objective:

Task 1: Project Orientation

At the start of the project, CONSULTANT shall meet with the CITY to discuss in detail the expectations for the project, the budget scenarios to be analyzed, the field collection method, and the project schedule. At this meeting, CONSULTANT would expect to receive current unit costs from the CITY, new construction or newly acquired street data and the CITY's expected funding.

Key components of these discussions shall be the segmentation criteria for pavement segments, the extent of the pavement condition survey, and the method for estimating acquisition dates and values.

At this meeting, CONSULTANT would expect to receive the following data or items from the CITY:

- Updated Detailed CITY Map showing all public streets and alleys within the CITY.
- All street maintenance history data, including slurry seal, overlay and reconstruction projects

Task 2 – Status Reports

CONSULTANT shall provide the CITY's project manager with a Status Report to review the project progress and address any anticipated problems upon completion of the field inventory.

Upon completion of 25% of the field inventory, CONSULTANT's project manager shall conduct a quality control review of the field data collected. A quality control report shall be generated, for review by the CITY, which shall include a discussion of any problem areas and potential solutions.

Task 3 – Office Data Collection/Data Review

CONSULTANT shall conduct a review of the CITY's existing street records, databases, maps, and plans to obtain as much pertinent information as possible on all newly constructed or rehabilitated streets within the CITY since the last update. This data collection shall include the following for each infrastructure item, if available:

- Original construction or rehabilitation date
- Maintenance history and capital improvement projects since last update
- Functional classification (i.e. arterial, collector, local)
- Current improvement strategies and unit costs

The maintenance history investigation shall be an integral part in establishing the Pavement Condition Index for those streets that recently underwent rehabilitation.

Task 4 – Field Survey Data Collection

Using the Army Corps of Engineers Pavement Distress Field Manuals, CONSULTANT shall conduct a walking field inventory on 50% of the arterial/collector street network (approximately 21 centerline miles) and 25% (approximately 28 centerline miles) of the residential/alley network within the CITY to collect & verify the following data:

- Name of the street
- Limits of the pavement segment (from / to) - A description of the limits of each pavement section. The limits shall note the side of the boundary street from which the segment was taken (e.g., "N/S MAIN ST" refers to the north side of the intersection at Main St). If the limits exist between intersections, then the description may be an address, post mile marker, or a distance from a known point of reference (e.g., "500' N/O MAIN ST").
- Total area of the pavement segment – This shall be calculated from the length and width measurements. Adjustments may be made for medians, cross gutters, planters, etc., and shall be noted for each segment, if applicable.

- Number of travel lanes – The number of travel lanes, excluding parking lanes. This shall include the double left turn lane in the center, if applicable.
- Surface type, - such as AC, PCC, Gravel, or Dirt
- Surface distress - A visual survey of 100 percent of the surface of each segment shall be made and its condition recorded based upon actual surface conditions and physical characteristics of the segment, based on the Army Corps of Engineers field distress manuals for the Micro PAVER system. By surveying 100 percent of the surface area, a more accurate indication of road conditions is generated, thereby generating a more accurate estimate of maintenance and rehabilitation costs. The specific types of distresses to be measured shall be determined prior to the start of the inventory based upon discussions with CITY staff during the project kick-off. Where appropriate, CONSULTANT shall provide pictures of areas exhibiting extraordinary distress.

Deliverable: Quality Control Report at 25% completion

Task 5: Pavement Management System Software Data Entry

CONSULTANT proposes to continue the use of the APWA Micro PAVER software for the CITY's PMS project. CONSULTANT shall enter all data collected into the existing pavement management database. A Pavement Condition Index (PCI) shall be calculated for each street after the data entry has been completed.

Upon completion of the data entry, a condition report shall be generated showing each street section and its current PCI. The PCI is presented using a scale of 0 to 100, where 0 is the worst condition and 100 is the best condition.

The condition report shall be transmitted to the CITY for review and discussion.

Deliverable: Pavement Condition Report

Task 6: Define Repair / Rehabilitation Strategies

Following review of the pavement condition inventory data, the various repair/rehabilitation strategies shall be discussed. CONSULTANT shall review the CITY's existing repair and rehabilitation strategies, and assist the CITY with development of the most cost effective preventative maintenance, repair, and rehabilitation strategies. These strategies may include the use of chip seals, cape seals, slurry seals and overlays, based on the condition of the "maintenance sections", the expected improvement in pavement condition and life cycle extension that would result, and the unit cost of each alternative.

The strategies shall be developed based on road class, type of surface and specific needs of the CITY. This shall ensure that the recommended strategies are based upon the selection of appropriate activities, unit costs, and life cycles for the CITY.

Task 7: Develop 5-Year Capital Improvement Program

Once the repair/rehabilitation strategies have been defined, CONSULTANT shall identify the recommended maintenance and rehabilitation projects for the entire CITY network over a five (5) year period. The recommended projects shall be identified on the basis of several criteria: cost/benefit analysis, present pavement conditions, current and unconstrained funding levels, future routine and major maintenance needs based on projected deterioration rates, and desired levels of service. The primary emphasis of this task is to maximize the programming of street maintenance projects using the most cost-effective maintenance strategies available, and taking into account a life cycle cost analysis of each strategy recommended.

Following this analysis, street project lists shall be generated for eight (8) funding levels (funding scenarios):

- Unlimited Funding Level
- Zero Funding Level
- Current Funding (w/o Alleys)
- Current Funding (Alleys only)
- Recommended Funding (w/o Alleys) (Major M&R only)
- Recommended Funding (Alleys only) (Major M&R only)
- Recommended Funding (w/o Alleys) (Major M&R and Global Maintenance)
- Recommended Funding (Alleys only) (Major M&R and Global Maintenance)

In this way, if available funding is less than required for completion of recommended projects within a given year, it will be easy to determine which projects can be deferred with the least impact on current pavement condition and future rehabilitation cost, in addition to showing the total backlog of street maintenance work.

As part of this project, each funding scenario shall be rerun once (1) based on the CITY's comments on the Draft Report. Any additional changes or any additional funding scenarios shall require a written amendment.

Task 8: Final Report

CONSULTANT shall prepare an executive summary report as part of the Final Report that shall summarize: the objectives for a sound pavement management program, the field data collection techniques and data necessary to generate a reliable pavement management program, the

assessment and evaluation results, and present condition of streets evaluated and rehabilitation and maintenance strategies proposed. CONSULTANT shall also provide CONSULTANT's conclusions and recommendations within the executive summary.

The Pavement Management Program Final Report shall provide a summary of the findings from the condition survey with the corresponding recommendations for the implementation of the most cost effective maintenance program.

The report shall be prepared in a format that will utilize the information gathered and analyses performed by CONSULTANT during the course of the project. The report shall provide the CITY with information on:

- Current pavement conditions shown in tabular format (best to worst condition) and graphical format for all street classifications and surface types, in order to establish user-benefit relationships;
- Recommended maintenance and rehabilitation strategies;
- Project schedules and associated budgets (i.e., adjusted for inflation within the software based on user selected inflation factors) for the entire network, as well as each street segment, for each fiscal year over the seven year period;
- Priority projects that should be scheduled for immediate maintenance, based on existing conditions;
- A complete analysis that will allow the CITY and LACMTA to measure and understand the impact on and cost of deferred maintenance for the CITY street network;

The Report shall contain the following sections:

1. Executive Summary
2. Introduction
3. Methodology
4. Pavement Condition Distribution
5. Pavement Condition Index Report
6. Maintenance Programs
7. Work History
8. Appendix

CONSULTANT shall provide the CITY with a Draft Report and shall make revisions based on CITY comments in order to prepare the Final Report. It is expected that comments shall be received from the CITY within two weeks of receipt of the draft deliverable. Due dates for review comments shall be shown on the letter of transmittal.

- Deliverable: Three (3) Draft Reports (hard-copy bound)
Four (4) Final Reports (hard-copy bound)
One (1) electronic copy of the CITY's MicroPaver database

One (1) electronic copy of the Final Report (pdf)

Task 9: Support

CONSULTANT shall provide telephone technical support and consulting support services (as required) not to exceed (16) hours per year to answer any questions CITY staff may have.

Task 10: Update GIS Files

Using the CITY's current GIS electronic map files, CONSULTANT shall update the GIS data based on the 2008 Pavement Management Update Report.

An electronic map showing the condition of the street network shall be provided as follows:

- 1.) A map showing the condition of the of all streets color coded by condition using up to seven PCI condition ranges, equating to Failed, Very Poor, Poor, Fair, Good, Very Good, Excellent.
- 2.) A map showing the work history entered in the pavement management database.
- 3.) A map showing the results of the Recommended Funding Level for all streets.

One (1) copy of each map shall be printed, in color, and delivered to the CITY. In addition, the updated electronic files used to create the map shall be transmitted to the CITY on a CD-ROM.

Responsibilities Of The CITY

1. Provide access to historical budgets, work reports, bid sheets, and unit costs related to pavement maintenance within CITY.
2. Provide records showing the maintenance history since the last Pavement Management update.
3. Provide street updated base maps of the CITY with street names and road classes, including the CITY's criteria for ranking streets (i.e. arterial, collector, or residential).
4. Provide CONSULTANT with the CITY's current GIS base map in an ArcView shapefile format.

Schedule

Project Schedule

Task	Description	Estimated Duration	Calendar Weeks													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Task 1	Project Orientation		○													
Task 2	Status Reports	1 Day		■												
Task 3	Office Data Collection/Data Review	2 Day		■												
Task 4	Field Survey Data Collection	3 Weeks			■	■	■									
Task 5	Pavement Management System Software Data Entry	1 Week						■	▲							
Task 6	Define Repair / Rehabilitation Strategies	1 Day							■							
Task 7	Develop 5-Year Capital Improvement Program	4 Days							■							
Task 8	Final Report	3 Weeks								■	■	▲	■	▲		
Task 9	Support	2 Days													■	

Note: Field Survey schedule subject to change for delays outside of the control of Harris, notably the weather.

■	Scheduled Duration
○	Meetings
▲	Deliverable
▨	City Review

2008 Update

Costs Proposal by Task

	Description	Project Manager	Project Engineer	Engineering Technician	Total by Task
		\$190/hr	\$125/hr	\$85/hr	
Task 1	Project Orientation	2	2		\$630
Task 2	Status Reports	2	2		\$630
Task 3	Office Data Collection/Data Review		2	4	\$590
Task 4	Field Survey Data Collection	4	8	80	\$8,560
Task 5	Pavement Management System Software Data Entry		2	6	\$760
Task 6	Define Repair / Rehabilitation Strategies	1	6		\$940
Task 7	Develop 5-Year Capital Improvement Program	2	12	16	\$3,240
Task 8	Final Report	3	16	32	\$5,290
Task 9	Support		16		\$2,000
Task 10	Update GIS maps	2	2	24	\$2,670
		14	66	138	
	Total for Pavement Management System:	2,660	8,250	11,730	\$25,310

2009 Update

\$25,310

2010 Update (3.5% cost of living increase)

\$26,196

2011 Update (3.5% cost of living increase)

\$27,113

EXHIBIT B-1

RATES

Position	2008 & 2009 Hourly Rates	2010 Hourly Rates	2011 Hourly Rates
Project Manager (Dennis A. Anderson)	\$190	\$197	\$204
Project Engineer	\$125	\$130	\$135
Engineering Technician	\$85	\$88	\$91

Hourly rates above include all direct costs including travel expenses. CONSULTANT may modify these rates on an annual (calendar year) basis. CONSULTANT shall give CITY thirty (30) days prior written notice of such modification.

EXHIBIT B-2

SCHEDULE OF PAYMENT

CONSULTANT shall submit an itemized statement to CITY for its services performed, which shall include documentation setting forth in detail a description of the hours of service and the services rendered by task. CITY shall pay CONSULTANT the amount of such billing within thirty (30) days of receipt of same.