

**REQUEST FOR PROPOSAL
KITSAP COUNTY DEPARTMENT
OF PUBLIC WORKS
ROAD DIVISION
PAVEMENT CONDITION SURVEY**

RFP 2010 – 103

RESPONSE DEADLINE: January 18, 2010 @ 3:00 P.M.

The Kitsap County Purchasing Office will receive proposals for the Public Works Department, Roads, **Division**. Proposals must be received before the time and date indicated above at the Kitsap County Purchasing Office, 619 Division Street MS20, Port Orchard, Washington 98366. After the proposals have been reviewed, a bid tabulation will be available for public inspection.

DESCRIPTION OF WORK

County desires to obtain pavement condition survey services to assist in the pavement condition rating on various roads in the County system to implement the County Pavement Management Planning System (CPMPS). The survey will include approximately 632 lane-miles of the County Collector and arterial roadway system.

The consultant shall perform such duties and services as are listed in EXHIBIT "A" attached hereto, hereby referred to and made a part hereof by reference. Said services shall be performed in accordance with the time frame specified in Exhibit "A".

The County shall perform such services or furnish such materials to consultant in connection with the performance of this agreement as set forth on Exhibit "B" attached hereto, hereby referred to and made part hereof by reference. If there are no entries on said EXHIBIT "B", consultant shall provide all services in connection with this agreement. Unless otherwise provided on EXHIBIT "B", all said services and materials will be furnished by County to consultant without cost to consultant. Exhibit "C" Consultant shall provide per mile pricing schedule.

Consultant must list the method of which the surface distress collection data is obtained and recorded.

All items below must be complete in all respects, including signatures (notarized where required). Failure to include all items may be a cause for the proposal to be rejected as non-responsive.

Proposal Sheet

A complete listing of all services to be provided on company letterhead and signed by the president or authorized agent of the company.

Note

For technical questions please contact Trixan Greenlow of the Road Division, Public Works Department at (360) 337- 5777 ext. 3632, during the business hours of 7:00 A.M to 3:30 P.M., Monday through Friday (excluding holidays).

All work shall be in accordance with the Statement of Work and Specification notes and are included in the plans. Contractors for this work project must comply with all applicable government and local agency requirements.

PROPOSALS SHALL BE SUBMITTED in a separate envelope and sealed. The RFP number and title of the project (as indicated above), the date & time of the response deadline, and the name and address of the respondent shall be clearly shown on the outside of the envelope.

Mail response documents to: ATTN: R'Lene J. Orr
 Purchasing & Records Office
 Kitsap County
 614 Division Street MS-7
 Port Orchard, WA 98366

Proposals shall be mailed or hand delivered to R'Lene J. Orr Purchasing Manager, Kitsap County Administrative Services, Purchasing Division, 619 Division Street MS- 7, Port Orchard, WA 98366 on or before 3:00 P.M. January 18, 2010. Proposals received after this date and time will not be considered

Bidders must correctly prepare and submit all required documents to the Kitsap County Purchasing Office. The following documents are required for a complete bid package:

- Proposal Sheet
- Addendum Receipt (if applicable)

The Kitsap County Purchasing Office reserves the right to reject any or all proposals for good cause, to waive any irregularities in any bid, and to delete certain items listed in the proposal as set forth therein. When all proposals have been rejected, the Purchasing Office may call for new proposals or enter into direct negotiations to achieve the best possible price.

Bidding/purchasing process questions may be directed to either of the following people listed below during business hours of 8:00am to 4:30pm, Monday-Friday (excluding holidays).

R'Lene J. Orr	360-337-4410
Linda Nelson	360-337-7036

The award process will be subject to any preferences provided by law pertaining to Washington projects and vendors, taking into consideration the quality of the services rendered and the quality of the materials used, and their delivery. This award process will also provide that all proposals may be rejected whenever there is reason to believe that the lowest, acceptable bid is not the best possible price obtainable. At this point the Purchasing Office may call for new bids or enter into direct negotiations to achieve the best possible price.

Cooperative Purchasing: The Washington State Inter-local Cooperative Act 39.84 provides that other governmental agencies may purchase goods and services on this solicitation or contract in accordance with the terms and prices indicated, if all parties are willing.

Current solicitations and any addenda may be viewed by accessing the County's Procurement web site at www.wa.gov/kitsap.

ADDENDUM RECEIPT

Receipt of the following addenda to the subject solicitation documents is hereby acknowledged:

<u>Addendum Number</u>	<u>Date of Receipt of Addendum</u>	<u>Signed Acknowledgement</u>
<u>1</u>	_____	_____
<u>2</u>	_____	_____
<u>3</u>	_____	_____

Exhibit A

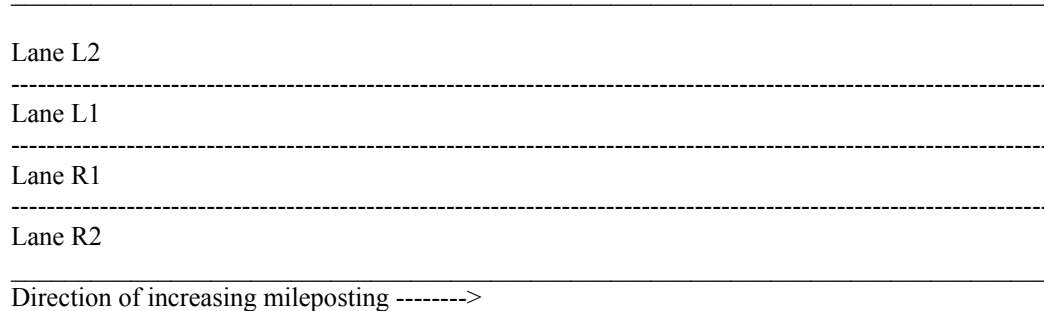
Description of Proposed Work for Pavement Condition Survey Services

The CONSULTANT shall provide the necessary trained and experienced technical personnel working under close review and direction from an experienced professional engineer and all necessary equipment and materials to obtain pavement condition survey data for the Kitsap County roads designated on Exhibit D.

The CONSULTANT shall utilize the video enhanced Laser RST, which includes the use of lasers, video imaging and trained operator input, or a method deemed to be equivalent in reliability for this pavement condition survey. This survey will involve rating 100% of the roadway surface of approximately 632 lane-miles.

The pavement surface condition survey shall conform to the requirements of the Current Northwest Pavement Management Systems Users Group, Pavement Surface Condition Rating Manual.

The CONSULTANT shall collect data for each lane in each direction. The lanes shall be coded as R1 (Traveling away from the designated beginning milepost location) and L1 (return trip to the beginning milepost location). When there is more than one lane in each direction, all lanes shall be rated and coded as follows:



All roads shall be segmented, beginning at the milepost location designated by the COUNTY, into 0.10-mile increments and rated accordingly. The beginning and ending milepost locations for each road are designated on Exhibit D. The COUNTY representative must approve any deviations from these locations. Any information collected beginning or ending at a location other than the designated location without approval will not be accepted.

Road Mileage is measured from center to center of the intersecting roads, or from center to the end of the road.

The CONSULTANT shall furnish to the COUNTY, a hardcopy report of the roads in which the CONSULTANT ending milepost differs from the COUNTY designated ending milepost by (+ or -) 50 feet. This report shall include the road name, beginning location and milepost, and the CONSULTANT ending location and milepost. This mileage discrepancy report shall be submitted with the completed pavement condition survey data and will be subject to approval and acceptance by the COUNTY.

I. Data Acquisition

A. General

All equipment used for data collection shall provide a high degree of repeatability. The CONSULTANT shall submit a Quality Control Plan and be prepared to discuss this at the pre-data collection meeting. This plan shall describe the measures used by the CONSULTANT to guarantee accuracy and repeatability.

Prior to initiating the data collection phase of this contract, there shall be one on-site visit by the person assigned the responsibility of completing the post-processing phase. This on-site visit shall include: (1) A field visit to a roadway segment, by the COUNTY with the CONSULTANT; and (2) a follow up office discussion. This meeting shall include the operators of the data collection van.

All survey work shall be performed on dry pavement. The CONSULTANT shall adjust his or her schedule to avoid lighting conditions that prevent accurate crack detection or shall provide supplemental lighting. The CONSULTANT shall not impede traffic during the course of collection.

All data shall be collected and recorded with the County road number, milepost, and direction of travel and lane number.

B. Surface Condition

A combination of lasers, video imaging of the pavement surface and trained operator input or equivalent data collection methods, shall be used to collect the pavement surface condition information.

1. Trained Operator Input

A trained operator must collect and record information on the following distresses:

- a.) Alligator cracking
- b.) Longitudinal cracking
- c.) Transverse cracking
- d.) Raveling
- e.) Flushing
- f.) Patching

C. Rut Depth

The laser RST or an equivalent method will be used to measure both wheel track ruts separately but simultaneously. Rutting will be rated according to the Current Pavement Surface Condition Rating Manual. This information shall be provided in a format compatible with the County Pavement Management Planning System (CPMPS).

The following values will be reported and furnished to the COUNTY on hardcopy; (1) the average deepest rut for each section, and, (2) the percent of distance traveled by the Laser RST or equivalent equipment where the ruts are greater than up to three different thresholds as defined by the COUNTY and discussed with the CONSULTANT prior to initiating the data collection phase of this agreement.

D. Distance Measurement Instrumentation

The data acquisition vehicle must employ a distance-measuring instrument (DMI) that continuously monitors the “over the terrain” linear chainage of the vehicle.

The DMI shall enable the data acquisition vehicle operator to pre-set the starting mileage and to reference the collected data in either ascending or descending order displaying the chainage reading to the nearest 0.001-mile.

II. Data Interpretation

The CONSULTANT must conform to the pavement distress guidelines of the COUNTY and establish this conformance during the pre-planning phase of the project.

Before the CONSULTANT starts any data collection activities, the CONSULTANT'S representative and the COUNTY'S representative shall meet to discuss details such as: (1) the patching and cracking procedures; (2) definition of what qualifies as a patch; and (3) how to handle newly over-laid sections.

III. Data Analysis

At the pre-data collection meeting, the CONSULTANT shall provide written documentation outlining the pavement condition rating training and experience of the personnel assigned to complete the data analysis phase of this project. If any changes in personnel occur during the contract period, the CONSULTANT shall notify the COUNTY and furnish the same required information.

If different severity levels within an area cannot be distinguished, the entire area shall be rated at the predominant severity present. This applies to alligator, longitudinal and transverse cracking.

Final pavement condition, for the road surface surveyed, shall be based on an evaluation by the CONSULTANT of the combined pavement information collected through the use of lasers, video imaging or equivalent of the pavement surface and visual inspection by a trained operator.

Pavement condition survey data will be provided to the COUNTY on Compact Disk (CD) in a format compatible with the County Pavement Management Planning System (CPMPS). All data will be subject to approval and acceptance by the COUNTY.

After receipt of the pavement condition survey, the COUNTY shall prepare a list of all road segments (CPMPS projects) with 2008 and 2010 pavement structural condition (PSC) ratings differing by 20 points or more. Road segments with maintenance or reconstruction work performed after the 2008 pavement condition survey will be excluded from the list. This information will be furnished to the CONSULTANT for evaluation and comments.

The CONSULTANT shall submit to the COUNTY a written report that includes: (1) a description of the evaluation procedure; (2) an explanation, based solely on a comparison between the 2008 and 2010 pavement distress data collected and

analyzed by the CONSULTANT, of the cause (s) contributing to the increase or decrease in the PSC rating for each road segment; (3) a narrative that summarizes the conclusions drawn from the evaluation by the CONSULTANT. This report shall be subject to acceptance and approval by the COUNTY.

IV. Time of Beginning and Completion

The CONSULTANT shall not begin work under the terms of this Agreement until authorized by the COUNTY. The field data collection phase of this agreement shall be completed by October 15, 2010. The pavement condition survey data on CD and the mileage discrepancy report shall be delivered by November 15, 2010.

Exhibit B

Description of Proposed Work for Pavement Condition Survey Services

Throughout the duration of the PROJECT, the COUNTY will furnish or make available information and items it may have to assist the CONSULTANT, and to provide ongoing support for the CONSULTANT in the completion of the PROJECT.

The COUNTY shall supply personnel on a continuing basis, to provide information and to answer questions that may arise concerning the PROJECT.

The COUNTY shall provide to the CONSULTANT, on CD, a copy of the MOBILITY road log database, with the candidate roads and beginning and ending milepost locations.

The COUNTY shall furnish the CONSULTANT with a current map showing the roadway network within Kitsap County.

The COUNTY shall provide an assigned staff person as needed during normal working hours to ride in the CONSULTANT'S data collection van. The assigned staff person will generally monitor the pavement condition survey, provide assistance with directions to locations, and provide assistance with locating beginning and ending mileposts locations of the sections. The assigned staff person's role will be one of assistance and advisory to the CONSULTANT'S data collection technicians and shall not be authorized to direct or place requirements on the data collection technicians. Hours of work and ride coordination shall be discussed at the pre-data collection meeting. If authorized by the COUNTY representative the CONSULTANT shall be allowed to conduct data collection operations without an assigned COUNTY staff person in the event a COUNTY staff person is unavailable

EXHIBIT C
Payment (Unit Price)

CONSULTANT shall be paid a unit price of \$ _____ per lane-mile of pavement surveyed for the pavement condition survey project. It is estimated that approximately 632 lane-miles will be surveyed. Payment will be based upon the total number of miles actually surveyed in accordance with Exhibit 'D'.

CONSULTANT shall be paid a total contract amount not to exceed \$ _____.

A partial payment of one-half ($\frac{1}{2}$) total amount of the data collection cost shall be paid to the CONSULTANT by the COUNTY upon submittal of a bill for services rendered, and documents showing that the data acquisition phase has been completed. CONSULTANT shall be paid an additional one-quarter ($\frac{1}{4}$) of the data collection cost upon submittal of a bill and delivery of documents called for under ITEM 18 (a) of this Agreement. The remaining one-quarter ($\frac{1}{4}$) shall be paid to the CONSULTANT by the COUNTY upon acceptance of the data by the County. Such payments shall be full compensation for all work performed and services rendered, including all labor, materials, supplies, specially equipped van and operator, and all other incidental items necessary to complete the work as specified.