

State Project No. 736-99-1362
F.A.P. No. SPR-0010(029)
Pavement Distress Data Collection
Statewide
Responses to Consultant Inquiries
March 03, 2006

Are the start and end points of the field trial sites marked on the pavement, or does each vendor have to locate the start/end points themselves?

The start and end points are marked on the pavement.

I would just like to confirm that we are not collecting any secondary directions on the field trial sites?

Only one direction as specified on the map.

When will LADOTD provide the bidders with the “Louisiana Cracking and Patching Protocol for Concrete Pavements” and “Louisiana Cracking and Patching Protocol for Asphalt Surface Pavements”, as mentioned in section 1.1?

A CD was given to all Vendors attending the Pre-proposal Meeting, on February 3, 2006.

In section 2.1 the expected contract period is shown as being 24 months, May 1, 2006 through April 30, 2008. Yet, the data collection cycle is shown as being limited to nine months, August 1, 2006 through May 1, 2007. Is this correct?

Yes, this is correct.

If the data collection cycle shown above is correct, why is the cycle set-up so that almost half the data collection cycle is during the Hurricane Season?

Time has been considered in the contract to allow for non-collection days due to weather or other natural occurrences. In the event of a natural disaster that would exceed these days, allowances will be made.

If the data collection cycle is interrupted by Hurricanes, will the data collection cycle be extended to compensate for the interruption?

Considered extensions will depend on the extent of the damage and the level of interruption caused by a Hurricane.

A demonstration of the vendor’s capabilities is mentioned in section 2.5. When will the vendors receive the specifics of the demonstration project?

The CD issued at the Pre-proposal meeting, February 3, 2006, contains the Protocols for Asphalt and Concrete pavements. The protocols detail how to quantify the pavement distresses. In addition, a database shell was prepared and sent to all vendors who attended the Pre-proposal meeting on February 3, 2006, by Mr. Wade Lester. The database shell details all data that is to be collected.

What are the deliverables for the demonstration project, and when are they due to LADOTD?

The deliverables for the demonstration project will include a written proposal, field trial results, verification of a means to measure highway features, and any optional features the Vendor suggests to offer. Please see the RFP, Attachment I Scope of Services, Deliverables.A, Deliverables.B, Deliverables.C, Deliverables.G and Deliverables.M.

The deliverables are due when the proposals are due, March 20, 2006. The optional items should, also, be included, exempting the ramps.

Section 4.4 Price Proposal and Attachment III, are travel expenses to be included in the Total Price and Price per mile, or are they reimbursed as direct expenses?

The vendor is responsible for any and all travel expenses. The vendor should have an idea of the amount of travel that will be required; the vendor should include the price of travel into the lump sum, inclusive of the price per mile.

Section 6.3 directs the Consultant to develop and present a master schedule for the Pavement Condition data collection and distress quantification for each District. Can LADOTD provide a breakdown of survey miles by District?

System Description; The approximate lane miles of pavement included in the study are as follows:

Interstate Highway System	1,775 directional miles
Arterial/Collector Systems	17,175 directional miles
Non-State Maintained National Highway System (NHS)	140 directional miles
Performance Monitoring System (HPMS) sample Sections	503 directional miles
Frontage/Service Roads	600 directional miles

The Interstate highway system consists of 1,775 directional miles, which is divided into 240 subsections of which 112 subsections, or 145 directional miles, are classified as urban. The arterial/collector systems consist of 17,175 directional miles, which is divided into 5,828 sub-sections of which 1,584 are classified as urban. The 140 miles of off-system (NHS) routes are all urban sections. The 503 miles of off-system HPMS study sections are distributed throughout the State.

Approximate mileage by district:

District 02	1331 miles
District 03	2947 miles
District 04	2406 miles
District 05	2407 miles
District 07	1464 miles
District 08	3074 miles

District 58	1656 miles
District 61	2125 miles
District 62	2185 miles

These mileages are subject to change by +/- 5%

Attachment I, Scope of Services (A) and Deliverables (L). Both sections require right-of-way images to be collected in the opposite direction of the pavement condition data on two-lane roads. Are images from a rear-facing camera taken while collecting the pavement condition data acceptable?

No, images from a rear-facing camera taken while collecting the pavement condition data are not acceptable.

Attachment I, Scope of Services (B), GPS Coordinates (longitude, latitude and elevation). What level of accuracy is required of the GPS data?

GPS Coordinates (longitude, latitude and elevation) require Sub-meter accuracy.

Attachment I, Deliverables (C). To clarify right of way image intervals. LADOTD wants right of way images at a minimum interval (i.e., no closer together than) of 0.002 miles (10.56 feet). What is the maximum interval between right of way images which is acceptable to LADOTD?

This was a misprint and should read as follows: LADOTD wants right of way images at a maximum interval (i.e. no further apart than) of 0.002 miles (10.56 feet).

Attachment I, Deliverables (C). Does LADOTD want the image distinguishing information displayed as part of the image, or in a database attached to the image and displayed through the supplied viewer software?

The distinguishing information referencing images should be displayed as part of the image and attached to the image in the database, in other words, both.

Attachment I, Deliverables (D). To clarify, LADOTD wants a copy of the distress data reduction software the Consultant is using, as well as, the image/data viewer software described in both (C) and (D)?

Yes, this is to duplicate the consultant's processes of the data reduction.

Attachment I, Deliverables (F). The last sentence appears to be incorrect, as it does not apply to right-of-way images.

To clarify Attachment I, Deliverables (F), the selected vendor is responsible for the correction of any data/image collection that is found to be in error, at no additional cost to LADOTD. Therefore, the right of way images will be reviewed and any necessary recollection by the vendor must be completed as outlined in the master schedule. There will be no penalty for the weekly delivery of the images.

Attachment I, Deliverables (G). What are the specifications for LADOTD's rut measurements? Minimum number of sensors, reporting interval, reporting criteria, etc. For example, 3-sensors reported as the average rut depth (inches) over 20-ft intervals, etc.

Rutting shall be collected using a scanning laser rut measuring device and measured on 100% of all asphalt-surfaced roadways. The sampling frequency shall be a maximum of 4 feet. A minimum of 40 points shall be used to produce the transverse profile. The Consultant shall have the ability to filter any edge drop off (i.e. measured points that are not in the intended lane for collection) from the data. Raw rutting data shall be collected so that a rut depth is automatically calculated and stored on an on-board computer for pieces of road that do not exceed fifty-two feet (i.e. 0.01 miles). This data will then be aggregated into 0.10-mile increments. The consultant shall report the maximum and the average rutting values, for each wheel path and for both wheel paths, for each 0.10-mile increment.

Attachment I, Deliverables (H). What information is to be displayed with the right-of-way images? How does LADOTD want users to access the images?

All collected and reported data associative to a specific Control Section and specific location (i.e. Control Section Logmile From 1.200 to 1.300) should be displayed with the right of way images. LADOTD users should be able to use an Internet browser (such as Microsoft Internet Explorer) to link to a web site on the LADOTD intranet to view the right of way images. The vendor should supply/install all software and licenses (inclusive of the web user interface) to enable an unlimited number of LADOTD users to access the right of way images via an internet/intranet connection.

Attachment I, Deliverables (I). Is it acceptable for LADOTD to receive the right-of-way images and sensor data for QA review one week after they are received in our office for QC review?

Yes, providing the right-of-way images and sensor data are delivered on a consistent weekly basis with no delay extending for more than one week.

Attachment I, Deliverables (I). Does LADOTD want the **raw** sensor data provided weekly, or do you want the rutting, IRI, faulting and GPS data provided weekly? They are not the same. **Raw** sensor data is typically in binary format and cannot be read without a reporting program.

The unprocessed data from the rutting, IRI, faulting and GPS sensors should be provided on a weekly basis.

Attachment I, Deliverables (J). If third party software is proposed, is the cost of this software to be included in the cost of the project, or will LADOTD purchase separately?

The cost of third party software should be included in the cost of the project.

Attachment I, Deliverables (K). Is the Consultant to just provide the SAN server and NAS devices with LADOTD installing and setting up, or is the Consultant to provide, install & set-up the SAN server & nine NAS devices?

The vendor will provide the devices and LADOTD will setup and install the devices.

Attachment I, Deliverables (M). In Attachment I, Scope of Services (B), LADOTD wants electronic information at 0.100 mile intervals. In Attachment I, Deliverables (M) they ask for electronic data at the smallest interval possible. Which is correct?

LADOTD requires the vendor to collect and report all electronic data at the smallest interval possible; the vendor shall also report the summarized electronic data every 0.100-mile, as the database shell requires. All raw data that is collected will be given to LADOTD.

Attachment I, Deliverables (N). What is the measurement tolerance required for the Vertical Clearance Measurements, and where is the measurement to be taken?

The competing vendors should provide and submit optimum tolerance capacity for their equipment. The measurement should be taken from the lowest point.

Attachment I, Deliverables (N). At what interval is the Geotechnical (Cross-Slope) information to be provided?

The Geotechnical (Cross-Slope) information should be provided every 0.100 mile intervals or at every change in the Cross-Slope in order to exemplify all curves.

Attachment I, Deliverables (N). How is the pavement marking reflectivity to be reported?

The pavement marking reflectivity should be reported every 0.100 mile interval or at every change.

Attachment I, Deliverables (N). How many miles of Ramps are there along the State Highway network?

LADOTD's Highway Network contains approximately \pm 150 miles.

Attachment I, Deliverables. The RFP mentions a Final Report in several places. However, a Final Report is not specified, or described, in the Scope of Services. What is the required format and content of the Final Report?

The Final Report should include a Project Overview (Preliminary Reports), QC Results (System Assurance Report & Appendixes), a Summarization (Issues Analysis & Corrective Actions). A final delivery of all quantified data (i.e. previously delivered District data inclusive of any subsequent required revisions), for all districts should be integrated. The Final Report should contain Copies of all raw electronic files generated during the course of the Project, copies of all reports, routing sheets, field notes, documents relating to or impacting the project, etc. All reports shall be delivered in hard copy format and in electronic format.

Attachment I, Obligation of DOTD to Consultant. Will LADOTD provide the successful Consultant with a GIS map showing Control Sections, One-way roads, multi-lane roads, etc.?

Yes, LADOTD will provide the successful Consultant with a GIS maps depicting Control Sections and related information.

Attachment I, Deliverables (K). Is the price for the SAN server and the 9 NAS devices to be included in the consultants total bid price and price per mile?

The SAN server will be paid for separately. The 9 NAS devices are to be included in the total bid price and lump sum.

Is the 10.56 feet intervals maximum or minimum?

We want an image at least every 10.56 feet. If you are capable of closer intervals, then it is alright.

Do we send in weekly reports from the field or can we wait until we have an office QC/QA?

You can QC in the office then send it to us within a week.

If all the images and distress data is due in May 2007, then what is to be delivered the last year?

Any extra items that were collected and visiweb.

When is the data due from the field trials?

When you submit your proposals.

Is the scanning laser for rutting required for the field trials?

Yes

Are you going to give us additional information for the optional items?

Yes, please see Addendum No. 2.

How do we separate price?

Two separate prices. One for the 20,000 mile collection and one for the 15,000 mile collection.

How do you make allowances for hurricane season?

We have enough time built into the project. Collect where the hurricane is not.

How accurate do we have to be?

We let the contractor tell us the accuracy that they can achieve and then we hold them to it.

Are you mandating the scan laser for rutting?

Yes

Do you have an established budget and can you tell us?

We have a cost estimate that we will not share.

Will you provide a breakdown of district miles?

Yes

How many miles of Continuous Reinforced Concrete Pavement?

80 miles

Are you going to send the successful bidder a GIS map with the roadway network?

Yes but some lines are not electronic.

Can we have the shell of the database information for the field trials?

Yes

In accordance the with SF 24-102, we need to be registered with the LA Secretary of State Office prior to submittal. The web address to verify registration and full name of the firm is <http://www.sec.state.la.us>. Is that link correct? Where do I go once there to complete the registration?

You do not have to be registered with the LA Sec. of State for this project prior to submitting your proposal. However, if you are awarded the contract, you must be registered before the contract can be executed with the State of LA. Information regarding registration with the State of LA can be found under the Commercial Division on the Secretary of State's Website.

Is this project considered as a non-engineering project?

This is a non-engineering project. Section 3.3 of the RFP outlines the Minimum Qualifications of Consultant. No registered engineer is required.

Do the pilot test results need to be presented in a specific format (data shell). If so, can you please guide us as to where we would be able to obtain this information? Also, would you require a software (analysis, image viewer, ...) to be delivered with the proposal.

A database shell was emailed to all prospective vendors who attended the Pre-proposal conference and is available at the consultant contract services website under addendum 1. Any and all software that is required to review all submittals from the vendor's data collection of the field trial sites shall be delivered to LADOTD with the proposal.

What are the software expectations by LA DOTD for the delivery of field trial data with the proposal?

Any and all software that is required to review all submittals from the vendor's data collection of the trial sites.

Is there additional consideration in the RFP scoring for U.S. based businesses?

No, Firm Location is not a criterion of the evaluation.

Is there additional consideration in the RFP scoring for minority or women owned businesses?

No, the selection of the Consultant will be made based on the five Criteria listed in the RFP. The Contract will be awarded to the Consultant with the highest score.

Page 9 of 28 Section 5.3: For the ratings of 0 through 4 for Unsatisfactory through Excellent, will LA DOTD give full point totals only (1, 2, 3, or 4) or are partial scores possible like (1.5, 2.5, etc.)?

Partial scores (i.e. 1.5, 2.5,) will used in the rating.

Page 14 of 28: IRI need the following information

1. Sample interval for longitudinal profile elevations. i.e. 3 in or 6 in?

FHWA recommends 3 inch sample intervals.

2. Low frequency cutoff filter? What value?

FHWA recommends 25 feet.

3. Any High frequency cutoff?

FHWA recommends 300 feet.

The specifications for the collection of the IRI are to be recommended by the vendor. The vendor should note these specifications in the proposal and also make known if the specifications are proprietary.

Joint Faulting need the following information

4. Approach Slab Interval for Fault

5. Deadband?

6. Exit Slab Interval?

The specifications for the collection of the faulting are to be recommended by the vendor. The vendor should note these specifications in the proposal and also make known if the specifications are proprietary.

Page 15 of 28: A. Grayscale digital Images for Distress Identification...“when traveling at survey speed” Survey speed is not specified on defined anywhere in this proposal. Minimum maximum or what value should be used?

A data collection vehicle should travel at the recommended speed, as per the vendor, to produce the most reliable data/images. This speed shall not be less than the posted legal minimum speed limit or more than the posted maximum legal speed limit. The quality of the images should allow the viewer to identify cracks of at least 0.125 inches in width.

The SAN and NAS server specs and prices (total of \$271,011.75) have been provided by LADOTD. If the specs or prices change prior to purchase of the servers, will LADOTD adjust the amount compensated as necessary to pay the full cost of the servers? In other words, will the SAN and NAS servers remain a pass-through expense regardless of the final cost?

The price quote is for the SAN server only. The \$271,011.75 does not include the NAS servers. The SAN will be a pass through expense. The price for the NAS servers shall not be a pass through expense and should be included in the price per mile and lump sum.

Should 2006-2007 images be loaded into the same web-enabled viewing software as the two previous cycles?

All images that are collected during the 2006-2007 data collection cycle shall be loaded into a web enabled viewer.