

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS NOT A RATED ORDER UNDER DPAS (15 CFR 700)		RATING	PAGE OF PAGES 1 33
2. CONTRACT NUMBER	3. SOLICITATION NUMBER DTFH61-08-R-00024	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)		5. DATE ISSUED	6. REQUISITION/PURCHASE NO. 41-12-08028
7. ISSUED BY Federal Highway Administration Office of Acquisition Management 1200 New Jersey Ave S.E. Mail Stop E66-207 Washington, DC 20590		CODE HAAM-30	8. ADDRESS OFFER TO (If other than Item 7)		

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder"

SOLICITATION

9. Sealed offers in **original and 8 copies** for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, 3:00 pm local time August 11, 2008.

THIS IS A FULL AND OPEN COMPETITION REQUIREMENT

CAUTION — LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME Primary Contact: Daniel Confer Secondary Contact:	B. TELEPHONE (NO COLLECT CALLS) AREA CODE NUMBER EXT. 202 366-0730			C. E-MAIL ADDRESS Daniel.Confer@dot.gov
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11. TABLE OF CONTENTS

(✓)	SEC.	DESCRIPTION	PAGE(S)	(✓)	SEC.	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE				PART II - CONTRACT CLAUSES			
X	A	SOLICITATION/CONTRACT FORM	1	X	I	CONTRACT CLAUSES	14
X	B	SUPPLIES OR SERVICES AND PRICE/COST	2	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.			
X	C	DESCRIPTION/SPECS./WORK STATEMENT	2	X	J	LIST OF ATTACHMENTS	21
X	D	PACKAGING AND MARKING	5	PART IV - REPRESENTATIONS AND INSTRUCTIONS			
X	E	INSPECTION AND ACCEPTANCE	5	X	K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	22
X	F	DELIVERIES OR PERFORMANCE	5	X	L	INSTRS., CONDS., AND NOTICES TO OFFERORS	23
X	G	CONTRACT ADMINISTRATION DATA	7	X	M	EVALUATION FACTORS FOR AWARD	31
X	H	SPECIAL CONTRACT REQUIREMENTS	10				

OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s),

13. DISCOUNT FOR PROMPT PAYMENT <i>(See Section I, Clause No. 52.232-8)</i>	10 CALENDAR DAYS %	20 CALENDAR DAYS %	30 CALENDAR DAYS %	CALENDAR DAYS %
14. ACKNOWLEDGMENT OF AMENDMENTS <i>(The offeror acknowledges receipt of amendments to this SOLICITATION for offerors and related documents numbered and dated):</i>	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)
15B. TELEPHONE NUMBER AREA CODE NUMBER EXT.	<input type="checkbox"/> 15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.		17. SIGNATURE
			18. OFFER DATE

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c) ()		23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified) ITEM
24. ADMINISTERED BY (If other than Item 7) CODE	25. PAYMENT WILL BE MADE BY CODE	
26. NAME OF CONTRACTING OFFICER (Type or print)	27. UNITED STATES OF AMERICA (Signature of Contracting Officer)	28. AWARD DATE

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

PART I

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

The Contractor shall furnish all necessary facilities, materials, and personnel, and shall perform all services necessary to conduct a research and development project entitled, “Smart Pavement Monitoring Systems.”

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 BACKGROUND

In the last several years, structural health monitoring technologies have emerged, creating an exciting new field within various branches of highway agencies. These technologies have a great potential to dramatically improve the reliability and safety of structures, particularly bridges. Through monitoring the structure, appropriate actions such as further inspections or closing the structure, will be taken to prevent catastrophic consequences.

The intent of this contract is to apply a similar concept to pavements. The in-service performance of the pavements depends on consistent, cost-effective, and accurate monitoring of condition for early scheduling of repair and maintenance. Therefore, the Federal Highway Administration (FHWA) wants to develop sensor systems for pavements to obtain information on its health at all times.

C.2 STATEMENT OF OBJECTIVES (SOO)

The objective of this contract is to stimulate creative technological innovation and to increase the commercial application of sensor systems for monitoring physical properties of asphalt and concrete pavements. The contract contemplates a two phased approach for this effort. Throughout both phases, the contractor shall consider stakeholder input as a result of their participation in Expert Technical Groups (ETGs) and other venues as directed by FHWA.

PHASE I

Under Phase I, the Contractor shall develop a sensor system capable of continuously monitoring the physical properties of asphalt and concrete pavements that relate to the onset of distress. FHWA envisions that more than one type of sensor may be needed to adequately assess the health of a pavement, but that these should work together to give a picture of the onset of pavement distresses. Ideally, the system might integrate wireless communications, data acquisition and various sensors capable of monitoring parameters which indicate potential pavement problems. Such parameters may include stress and strain within the pavement, cracking, temperature, and moisture. The objective of this phase is to develop a prototype sensor system in the laboratory, including data infrastructure. The Users (highway agencies/consultants/universities) should be able to easily retrieve the collected data and use as

inputs for existing pavement models to help in predicting both pavement performance and/or help in the development of more effective maintenance plans. Ultimately, integration within a State's pavement management system is envisioned in Phase II of the contract.

Phase I shall include laboratory demonstrations of feasibility and the trial application of suitable technologies on at least one paving test project. Prior to the onset of additional laboratory or field investigations, an interim report shall be submitted to FHWA documenting the findings to date and the plans for further laboratory and field investigations.

The objective of Phase I is to determine the scientific, technical, and commercial merit of advanced sensor systems and their quality of performance. Phase I work and results should provide a sound basis for the continued development, demonstration and delivery of the proposed innovation in Phase II and follow-on efforts. Successful completion of Phase I objectives are a prerequisite to proceed to Phase II.

PHASE II

NOTE: Phase II is an option that may be exercised at the discretion of the Government with a contract modification signed by the Contracting Officer. The Contractor shall not proceed with any Phase II work before receiving the proper contract modification.

If FHWA elects to exercise the option for Phase II, the Contractor shall conduct more widespread field trials and enhance the sensor system based on the results of the Phase I trial findings. The main objective of Phase II is to demonstrate that the sensor system can deliver useful data related to the physical properties of asphalt and/or concrete pavements. The Contractor shall be responsible for assisting state highway agencies (minimum of two) with retrieving data from the field for use in their pavement management system. The contractor shall be responsible for all coordination with the state DOTs to meet in the field and demonstrate how to retrieve data.

The Phase II work plan shall take into consideration the following:

- Number of field trials: Number and anticipated location of field trials.
- Installation: Determine how many of these sensing devices must be installed with a given volume/area or per 1 km of pavement for reliability. Determine the optimal location for the device.
- Robustness: Assess the ability of the sensor system to function correctly under heavy traffic, the environments in which the devices have to operate, and the possible effect of the environment on the performance of the sensor system (moisture, steel corrosion, alkali, temperature, etc).

- Sensor system lifetime: Determine the length of time the sensor system will deliver data. Asses to ascertain the reliability and consistency over time of the information obtained from the embedded devices.
- Refinement: The sensor system shall be refined based on field evaluation.

C.3 QUARTERLY PROGRESS REPORTS

The Contractor shall submit progress reports to the COTR and the Contract Administrator. These reports shall be prepared on a quarterly basis or as specified on individual task orders, and be submitted by the 15th of the month following the reporting period. Each progress report shall contain concise statements covering the activities relevant to the contract, including:

- (a) A clear and complete account of the work performed under each task order.
- (b) An outline of the work to be accomplished during the next report period.
- (c) A description of any problem encountered or anticipated that will affect the completion of any individual Task Order within the time and fiscal constraints as set forth in the Task Orders, together with recommended solutions to such problems; or, a statement that no problems were encountered.
- (d) A section addressing how the results of the work performed support the FHWA mission to “Improve Mobility on our Nation’s Highways Through National Leadership, Innovation, and Program Delivery.”
- (e) A tabulation of the planned, actual and cumulative person-hours expended by the personnel identified in each task order.
- (f) A chart showing current and cumulative expenditures versus planned expenditures for each task order.

The quarterly progress reports shall be delivered via email to the Contract Administrator (CA) and the Contracting Officer’s Technical Representative (COTR) at the following email addresses:

COTR: [TBD](#)
CA: daniel.confer@dot.gov

C.4 TECHNICAL REPORT SPECIFICATIONS

Unless specified otherwise, technical reports under this contract shall be prepared in accordance with the latest version of the Turner-Fairbank Highway Research Center (TFHRC) Communications Reference Guide (FHWA-RD-03-074), available at <http://www.tfhrc.gov/qkref/qrgmain.htm>.

C.5 REQUIREMENTS FOR IMPLEMENTING SECTION 508 STANDARDS

All Information Technology deliverables shall conform to the Electronic and Information Technology (EIT) Accessibility Standards. See <http://www.access-board.gov/508.htm> for more information.

SECTION D - PACKAGING AND MARKING

Deliverables under this contract shall be prepared and packaged for shipment using best commercial practices so as to ensure safe and timely delivery.

SECTION E - INSPECTION AND ACCEPTANCE

All work hereunder shall be subject to review by the Government.

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer (CO) will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://www.arnet.gov/far/>.

52.246-5 Inspection of Services - Cost-Reimbursement. APR 1984

52.246-9 Inspection of Research and Development (Short Form) APR 1984

52.246-16 Responsibility for Supplies. APR 1984

SECTION F - DELIVERIES OR PERFORMANCE

F.1 PERIOD OF PERFORMANCE

[To be determined at award]

NOTE: Offerors shall propose a period of performance for Phases I and optional Phase II. The contract period of performance will be established based on the offeror's proposal and input from Government technical representatives.

F.2 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

- (a) The Government may extend the term of this contract by written notice to the Contractor within 30 days; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.
- (b) If the Government exercises this option, the extended contract shall be considered to include this option clause.
- (c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 60 months.

(End of clause)

F.3 PLACE OF DELIVERY

52.247-34 F.O.B. DESTINATION (NOV 1991)

All deliverables shall be delivered F.O.B. Destination, under transmittal letter, to the COTR at the following address:

Federal Highway Administration
Turner-Fairbank Highway Research Center
6300 Georgetown Pike
McLean, VA 22101
Attention: (to be filled in at award)

F.4 DELIVERABLES

Appropriate deliverables shall be proposed by offerors and aligned with their specific technical approach. However offerors must include the following minimum deliverables:

- A comprehensive interim report of Phase I research findings prior to the onset of laboratory and field evaluations.
- Quarterly progress reports
- Phase I final report
- Phase II final report (Option Period)

F.5 52.242-15 STOP-WORK ORDER (AUG 1989) -- ALTERNATE I (APR 1984)

SECTION G - CONTRACT ADMINISTRATION DATA

G.1 FUNDS AVAILABLE

- a. Currently, funding in the amount of \$189,000 is available for payment under this contract.
- b. The balance of funding under this contract (\$200,000) will be obligated subject to availability of funds and formal modification to this contract by the Contracting Officer.
- c. The clause entitled "LIMITATION OF FUNDS" applies to this contract. Any notification required on the part of the Contract shall be made in writing to the Contracting Officer. In the event that the contract is not funded beyond the estimated cost set forth in the schedule, the Contractor shall deliver to the Contracting Officer the data collected and the material produced or in process or acquired in connection with the performance of the project provided herein together with a summary report in five copies of its progress and accomplishments to date.

G.2 PAYMENT – COST REIMBURSEMENT

The Contractor may request interim payments for costs incurred during the performance of the contract. A statement of costs incurred by the Contractor in the performance of tasks under this contract and claimed to constitute allowable costs shall support each interim payment request. Each interim payment request shall be submitted in accordance with the attached, "FHWA Billing Instructions for Cost Reimbursement Contracts" to be considered proper for payment. Prior approval of the Contracting Officer (CO) is required if the Contractor wishes to use a different payment request format.

In accordance with clause 52.232-25, "Prompt Payment", interim payments will be made by the 30th day following receipt of proper request for payment by the designated billing office, unless audit or other review is considered necessary to ensure compliance with the terms and conditions of the contract. All interim payments hereunder will be made upon further determination by the CO that the Contractor is making adequate progress toward successful contract completion.

Final invoice payment shall be made upon the CO's determination that all contract requirements have been completed. The payment due date for final invoice shall be established in accordance with the clause 52.232-25.

G.3 INDIRECT COSTS

Pending the establishment of final indirect cost rates which shall be negotiated based on audit of actual costs as provided in Subpart 42.7 of the Federal Acquisition Regulation, the Contractor shall be reimbursed for allowable indirect costs hereunder at the billing rate of [__ TO BE NEGOTIATED __]. This INDIRECT COST provision does not operate to waive the

LIMITATION OF FUNDS Clause. The Contractor's audited final indirect costs are allowable only insofar as they do not cause the Contractor to exceed the total estimated costs for performance of the contract listed on page 2 (SECTION B) and under the PAYMENT provision above.

G.4 TRAVEL AND PER DIEM

Travel and Per Diem authorized under this contract shall be reimbursed in accordance with the Government Travel Regulations currently in effect.

Travel requirements under this contract shall be met using the most economical form of transportation available. If economy class transportation is not available, the request for payment voucher must be submitted with justification for use of higher class travel indicating dates, times, and flight numbers. All travel shall be scheduled sufficiently in advance to take advantage of offered discount rates, unless authorized by the COTR.

G.5 CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)

The Contracting Officer has designated _____ as COTR to assist in monitoring the work under this contract. The COTR is responsible for the technical administration of the contract and technical liaison with the Contractor. The COTR IS NOT authorized to change the scope of work or specifications as stated in the contract, to make any commitments or otherwise obligate the Government or authorize any changes which affect the contract price, delivery schedule, period of performance or other terms or conditions.

The CO is the only individual who can legally commit or obligate the Government for the expenditure of public funds. The technical administration of this contract shall not be construed to authorize the revision of the terms and conditions of this contract. The CO shall authorize any such revision in writing.

G.6 SUBCONTRACTS - ADVANCE NOTIFICATION AND CONSENT

Under this contract, the requirements of FAR 44.2, CONSENT TO SUBCONTRACTS, have been fulfilled for the following subcontracts:

[as negotiated]

Any future change or revision to the Statement of Work or other applicable aspects of this contract shall include the subcontract(s) only to the extent that performance of the subcontract(s) is directly affected by the change or revision.

G.7 INVOICES

Submit all invoices to one of the following invoice addresses, as appropriate:

All invoices and required supporting documents shall be sent via e-mail to the following e-mail address: 9-AMC-AMZ-FHWA-Invoices@faa.gov.

- (a) Include the invoice as an attached PDF document
- (b) Include in the e-mail subject line the following:
 - (i) "Invoice No. #
 - (ii) Contract/Agreement Number
 - (iii) Name of your Company/Organization."
 - (iv) Attention: Daniel Confer

Example: Invoice No. 1 – DTFH61-08-C-00001 – ABC Company – Attention: Daniel Confer

If the invoice and supporting documents exceed 8 MB as an e-mail attachment, the Contractor must select one of the other submission options presented below:

Invoices submitted via an overnight service must use the following physical address:

MMAC
FHWA/AMZ-150
6500 S. MacArthur Blvd
Oklahoma City, OK 73169
Attention: Daniel Confer
Express Delivery Point of Contact: April Grisham, 405-954-8269

Invoices may be submitted via regular U.S. Postal Service to the following address:

Federal Highway Administration
Markview Processing
P.O. Box 268865
Oklahoma City OK 73126-8865
Attention: Daniel Confer

All invoices, regardless of submission method, must identify (Daniel Confer) as the invoicing point of contact.

An invoice submitted to an address other than those identified above after February 1, 2008, will be returned to the vendor as non-conforming.

SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.1 KEY PERSONNEL

- (a) The personnel as specified below are considered essential to the work being performed under this contract and may, with the consent of the contracting parties, be changed from time to time during the course of the contract by adding or deleting personnel, as appropriate. A formal contract modification shall not be required.
- (b) Before removing, replacing, or diverting any of the specified individuals, the Contractor shall notify the COTR, in writing, before the change becomes effective. The Contractor shall submit information to support the proposed action to the COTR, including any prospective impact on this contract. The Contractor shall not remove or replace personnel under this contract until the COTR has had a chance to review and comment on the proposed change.

The Key Personnel under this Contract are:

[to be completed at award]

(End of clause)

H.2 POST AWARD EVALUATION OF CONTRACTOR PERFORMANCE

- (a) Contractor Performance Evaluations Interim and final evaluations of Contractor performance will be prepared on this contract in accordance with FAR 42.15 (or FAR 36.201 for construction, or FAR 36.604 for Architect-Engineering). The final performance evaluations will be prepared at the time of completion of work.

Interim and final evaluations will be provided to the Contractor as soon as practicable after completion of the evaluation. The Contractor can elect to review the evaluation and submit additional information or a rebuttal statement. The Contractor will be permitted thirty days to respond. Contractor response is voluntary and is not mandatory. Any disagreement between the parties regarding an evaluation will be referred to an individual at a level above the CO, whose decision is final. Copies of the evaluations, Contractor responses, and review comments, if any, will be retained as part of the contract file, and may be used to support future award decisions.

- (b) Electronic Access to Contractor Performance Evaluations FAR 42.15 (or FAR 36.201 for construction, or FAR 36.604 for architect-engineering) require agencies to prepare interim and final evaluations of Contractor performance. The U.S. Department of Transportation utilizes the National Institutes of Health (NIH) Contractor Performance System (CPS) to record and maintain past performance information. The CPS module for architect-engineer contracts is not yet available therefore the following information regarding electronic access does not apply to architect-engineer contracts.

Contractors that have Internet capability may access evaluations through a secure Web site for review and comment by completing the registration form that can be obtained at the following URL: <https://cpsContractor.nih.gov/>. The registration process requires the Contractor to identify an individual that will serve as a primary contact and who will be authorized access to the evaluation for review and comment. In addition, the Contractor will be required to identify a secondary contact who will be responsible for notifying the cognizant contracting official in the event the primary contact is unavailable to process the evaluation within the required 30-day time period. Once the Contractor is registered and a performance evaluation has been prepared and is ready for comment, the CPS will send an email to the Contractor representative notifying that individual that a performance evaluation is electronically available for review and comment.

(End Of Clause)

H.3 TAR 1252.239-70 SECURITY REQUIREMENTS FOR UNCLASSIFIED INFORMATION TECHNOLOGY RESOURCES (APR 2005)

(a) The Contractor shall be responsible for Information Technology security for all systems connected to a Department of Transportation (DOT) network or operated by the Contractor for DOT, regardless of location. This clause is applicable to all or any part of the contract that includes information technology resources or services in which the Contractor has physical or electronic access to DOT's sensitive information that directly supports the mission of DOT. The term "information technology", as used in this clause, means any equipment or interconnected system or subsystem of equipment, including telecommunications equipment, that is used in the automatic acquisition, storage, manipulation, management, movement, control, display, switching, interchange, transmission, or reception of data or information. This includes both major applications and general support systems as defined by OMB Circular A-130. Examples of tasks that require security provisions include:

- (1) Hosting of DOT e-Government sites or other IT operations;
- (2) Acquisition, transmission or analysis of data owned by DOT with significant replacement cost should the Contractor's copy be corrupted; and
- (3) Access to DOT general support systems/major applications at a level beyond that granted the general public, e.g. bypassing a firewall.

(b) The Contractor shall develop, provide, implement, and maintain an IT Security Plan. This plan shall describe the processes and procedures that will be followed to ensure appropriate security of IT resources that are developed, processed, or used under this contract. The plan shall describe those parts of the contract to which this clause applies. The Contractor's IT Security Plan shall comply with applicable Federal Laws that include, but are not limited to, 40 U.S.C. 11331, the Federal Information Security Management Act (FISMA) of 2002 and the E-Government Act of 2002. The plan shall meet IT security requirements in accordance with

Federal and DOT policies and procedures, as they may be amended from time to time during the term of this contract that include, but are not limited to:

(1) OMB Circular A-130, Management of Federal Information Resources, Appendix III, Security of Federal Automated Information Resources;

(2) National Institute of Standards and Technology (NIST) Guidelines;

(3) Departmental Information Resource Management Manual (DIRMM) and associated guidelines; and

(4) DOT Order 1630.2B, Personnel Security Management.

(c) Within 30 days after contract award, the Contractor shall submit the IT Security Plan to the DOT Contracting Officer for acceptance. This plan shall be consistent with and further detail the approach contained in the offeror's proposal or sealed bid that resulted in the award of this contract and in compliance with the requirements stated in this clause. The plan, as accepted by the Contracting Officer, shall be incorporated into the contract as a compliance document. The Contractor shall comply with the accepted plan.

(d) Within 6 months after contract award, the Contractor shall submit written proof of IT Security accreditation to the DOT for acceptance by the DOT Contracting Officer. Such written proof may be furnished either by the Contractor or by a third party. Accreditation must be in accordance with DOT Order 1350.2, which is available from the Contracting Officer upon request. This accreditation will include a final security plan, risk assessment, security test and evaluation, and disaster recovery plan/continuity of operations plan. This accreditation, when accepted by the Contracting Officer, shall be incorporated into the contract as a compliance document, and shall include a final security plan, a risk assessment, security test and evaluation, and disaster recovery/continuity of operations plan. The Contractor shall comply with the accepted accreditation documentation.

(e) On an annual basis, the Contractor shall submit verification to the Contracting Officer that the IT Security Plan remains valid.

(f) The Contractor will ensure that the following banners are displayed on all DOT systems (both public and private) operated by the Contractor prior to allowing anyone access to the system:

Government Warning

****WARNING**WARNING**WARNING****

Unauthorized access is a violation of U.S. Law and Department of Transportation policy, and may result in criminal or administrative penalties. Users shall not access other user's or system files without proper authority. Absence of access controls IS NOT authorization for access! DOT information systems and related equipment are intended for communication, transmission, processing and storage of U.S. Government information. These systems and equipment are subject to monitoring by law enforcement and authorized Department officials. Monitoring may

result in the acquisition, recording, and analysis of all data being communicated, transmitted, processed or stored in this system by law enforcement and authorized Department officials. Use of this system constitutes consent to such monitoring.

****WARNING**WARNING**WARNING****

(g) The Contractor will ensure that the following banner is displayed on all DOT systems that contain Privacy Act information operated by the Contractor prior to allowing anyone access to the system:

This system contains information protected under the provisions of the Privacy Act of 1974 (Public Law 93-579). Any privacy information displayed on the screen or printed shall be protected from unauthorized disclosure. Employees who violate privacy safeguards may be subject to disciplinary actions, a fine of up to \$5,000, or both.

(h) Contractor personnel requiring privileged access or limited privileged access to systems operated by the Contractor for DOT or interconnected to a DOT network shall be screened at an appropriate level in accordance with DOT Order 1630.2B, Personnel Security Management, as it may be amended from time to time during the term of this contract.

(i) The Contractor shall ensure that its employees, in performance of the contract performing under this contract, receive annual IT security training in accordance with OMB Circular A-130, FISMA, and NIST requirements, as they may be amended from time to time during the term of this contract, with a specific emphasis on rules of behavior.

(j) The Contractor shall afford the Government access to the Contractor's and Subcontractors' facilities, installations, operations, documentation, databases and personnel used in performance of the contract. Access shall be provided to the extent required to carry out a program of IT inspection (to include vulnerability testing), investigation and audit to safeguard against threats and hazards to the integrity, availability and confidentiality of DOT data or to the function of information technology systems operated on behalf of DOT, and to preserve evidence of computer crime.

(k) The Contractor shall incorporate the substance of this clause in all subcontracts that meet the conditions in paragraph (a) of this clause.

(l) The Contractor shall immediately notify the contracting officer when an employee terminates employment that has access to DOT information systems or data.

(End of clause)

H.4 1252.239-71 INFORMATION TECHNOLOGY SECURITY PLAN AND ACCREDITATION (APR 2005)

All offers submitted in response to this solicitation must address the approach for completing the security plan and accreditation requirements in TAR clause [1252.239-70](#).

(End of provision)

PART II

SECTION I - CONTRACT CLAUSES

I.1 FH.01 PRINTING RESTRICTIONS

All printing funded by this agreement must be done in conformance with Joint Committee on Printing regulations as prescribed in Title 44, United States Code, and Section 308 of Public Law 101-163, and all applicable Government Printing Office and Department of Transportation regulations.

I.2 52.204-7 CENTRAL CONTRACTOR REGISTRATION. (JUL 2006)

All Contractors desiring to receive awards of DOT contracts, purchase orders, delivery orders, or other contractual vehicles must be registered in the Central Contractor Registration (CCR) database before receiving an award, and throughout the contract's period of performance. The CCR is a Department of Defense web-based repository of Contractor information.

Interested offerors should read and understand the requirements of FAR 52.204-7. The offeror must register in the CCR prior to receiving any DOT contract awards, and must maintain current, updated information in CCR throughout the performance period of the contract. The Electronic Funds Transfer information in the CCR must be accurate in order for Contractors' invoices or contract financing requests to be considered proper invoices for the purpose of prompt payment under DOT contracts. Offerors can register in CCR at any time and are encouraged to do so immediately.

Offerors may register in the CCR database and obtain additional information at <http://www.ccr.gov>, or by calling 1-888-227-2423. The Contractor is responsible for the accuracy and completeness of the data within the CCR, and for any liability resulting from the DOT's reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor must confirm on an annual basis that its information in the database is accurate and complete.

*******ALERT***** FRAUDULENT CCR LETTERS*******

Recently, current U. S. Department of Transportation (DOT) Contractors and potential Contractors have received fraudulent letters purporting to be issued by DOT. These fraudulent letters request that current or potential Contractors register in the DOD Central Contractor Registration System (CCR). If you receive such a letter, please DO NOT complete the requested CCR worksheet that is attached to the letters and DO NOT release any information to the facsimile number cited in the letter. Please be aware that no Federal agency requires any confidential information to be submitted to verify CCR registration. The CCR is a

legitimate government system. However, to register, Contractors should go directly through the CCR website and never through a third party. There is no requirement to send information directly to any Federal agency. For information on how to register in the CCR, please visit website <http://www.ccr.gov/> or call 1-888-227-2423.

I.3 52.215-19 NOTIFICATION OF OWNERSHIP CHANGES (OCT 1997)

- (a) The Contractor shall make the following notifications in writing:
 - (1) When the Contractor becomes aware that a change in its ownership has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify the Administrative Contracting Officer (ACO) within 30 days.
 - (2) The Contractor shall also notify the ACO within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership.
- (b) The Contractor shall -
 - (1) Maintain current, accurate, and complete inventory records of assets and their costs;
 - (2) Provide the ACO or designated representative ready access to the records upon request;
 - (3) Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the Contractor's ownership changes; and
 - (4) Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each Contractor ownership change.
- (c) The Contractor shall include the substance of this clause in all subcontracts under this contract that meet the applicability requirement of FAR 15.408(k).

I.4 52.222-2 PAYMENT FOR OVERTIME PREMIUMS. (JUL 1990)

- (a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed [TBD] or the overtime premium is paid for work:

- (1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;
 - (2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;
 - (3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or
 - (4) That will result in lower overall costs to the Government.
- (b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall:
- (1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;
 - (2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;
 - (3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and
 - (4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

NOTE: All Overtime must be approved in advance by the COTR.

I.5 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the CO will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://www.arnet.gov/far/>.

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

1. 52.202-1 Definitions (JULY 2004)

2. 52.203-3 Gratuities (APR 1984)
3. 52.203-5 Covenant Against Contingent Fees (APR 1984)
4. 52.203-6 Restrictions on Subcontractor Sales to the Government (SEPT 2006)
5. 52.203-7 Anti-Kickback Procedures (JUL 1995)
6. 52.203-8 Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity (JAN 1997)
7. 52.203-10 Price or Fee Adjustment for Illegal or Improper Activity (JAN 1997)
8. 52.203-12 Limitation on Payment to Influence Certain Federal Transactions (SEPT 2007)
9. 52.203-13 Contractor Code of Business Ethics and Conduct (DEC 2007)
10. 52.203-14 Display of Hotline Poster(s) (DEC 2007)
11. 52.204-4 Printed or Copied Double-Sided on Recycled Paper (AUG 2000)
12. 52.209-6 Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (SEPT 2006)
13. 52.215-2 Audit and Records - Negotiation (JUN 1999)
14. 52.215-8 Order of Precedence - Uniform Contract Format (OCT 1997)
15. 52.215-10 Price Reduction for Defective Cost or Pricing Data (OCT 1997)
16. 52.215-12 Subcontractor Cost or Pricing Data (OCT 1997)
17. 52.215-14 Integrity of Unit Prices (OCT 1997)
18. 52.215-15 Pension Adjustments and Asset Reversions (OCT 2004)
19. 52.215-18 Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other Than Pensions (JUL 2005)

20. 52.216-7 Allowable Cost and Payment (DEC 2002)
The designated payment office will make interim payments for contract financing on the “30th” day after the designated billing office receives a proper payment request.
21. 52.216-8 Fixed Fee (MAR 1997)
22. 52.217-8 Option to Extend Services (NOV 1999)
*Fill in: **TBD***
23. 52.219-8 Utilization of Small Business Concerns (MAY 2004)
24. 52.219-28 Post-Award Small Business Program Re-representation (JUN 2007)
25. 52.222-3 Convict Labor (JUN 2003)
26. 52.222-21 Prohibition of Segregated Facilities (FEB 1999)
27. 52.222-26 Equal Opportunity (MAR 2007)
28. 52.222-35 Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (SEPT 2006)
29. 52.222-36 Affirmative Action for Workers with Disabilities (JUN 1998)
30. 52.222-37 Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (SEPT 2006)
31. 52.222-38 Compliance With Veterans’ Employment Reporting Requirements (Dec 2001)
32. 52.222-39 Notification of Employee Rights Concerning Payment of Union Dues or Fees (DEC 2004)
33. 52.223-6 Drug-Free Workplace (MAY 2001)
34. 52.223-13 Certification of Toxic Chemical Release Reporting (AUG 2003)
35. 52.223-14 Toxic Chemical Release Reporting (AUG 2003)
36. 52.225-13 Restrictions on Certain Foreign Purchases (FEB 2006)
37. 52.227-1 Authorization and Consent (DEC 2007)

38. 52.227-2 Notice and Assistance Regarding Patent and Copyright Infringement (DEC 2007)
39. 52.227-3 Patent Indemnity (APR 1984)
40. 52.227-14 Rights in Data - General (DEC 2007)
41. 52.227-16 Additional Data Requirements (JUN 1987)
42. 52.228-7 Insurance - Liability to Third Persons (MAR 1996)
43. 52.230-2 Cost Accounting Standards (APR 1998)
44. 52.230-3 Disclosure and Consistency of Cost Accounting Practices (APR 1998)
45. 52.230-6 Administration of Cost Accounting Standards (APR 2005)
46. 52.232-17 Interest (JUN 1996)
47. 52.232-20 Limitation of Cost. (APR 1984)
48. 52.232-22 Limitation of Funds (APR 1984)
49. 52.232-23 Assignment of Claims (JAN 1986)
50. 52.232-25 Prompt Payment (OCT 2003) - Alternate I (Feb 2002)
51. 52.232-33 Payment by Electronic Funds Transfer – Central Contractor Registration (OCT 2003)
52. 52.233-1 Disputes (JUL 2002)
53. 52.233-3 Protest after Award (AUG 1996) - Alternate I (JUN 1985)
54. 52.233-4 Applicable Law for Breach of Contract Claim (OCT 2004)
55. 52.236-8 Other Contracts (APR 1984)
56. 52.242-1 Notice of Intent to Disallow Costs (APR 1984)
57. 52.242-3 Penalties for Unallowable Costs (MAY 2001)
58. 52.242-4 Certification of Final Indirect Costs (JAN 1997)

- 59. 52.242-13 Bankruptcy (JUL 1995)
- 60. 52.243-2 Changes - Cost-Reimbursement (AUG 1987) - Alternate I (APR 1984)
- 61. 52.243-7 Notification of Changes (APR 1984)
- 62. 52.244-2 Subcontracts (JUN 2007) - Alternate I (JUN 2007)
- 63. 52.244-5 Competition in Subcontracting (DEC 1996)
- 64. 52.244-6 Subcontracts for Commercial Items (MAR 2007)
- 65. 52.246-25 Limitation of Liability - Services (FEB 1997)
- 66. 52.249-6 Termination (Cost-Reimbursement) (MAY 2004)
- 67. 52.249-14 Excusable Delays (APR 1984)
- 68. 52.251-1 Government Supply Sources (APR 1984)
- 69. 52.253-1 Computer Generated Forms (JAN 1991)

II. DEPARTMENT OF TRANSPORTATION ACQUISITION REGULATIONS (48 CHAPTER 12) CLAUSES

- 1252.223-73 Seat belt use policies and programs (APR 2005)
- 1252.235-70 Research misconduct. (APR 2005)
- 1252.239-71 Information technology security plan and accreditation. (APR 2005)
- 1252.242-73 Contracting officer's technical representative. (OCT 1994)

PART III

SECTION J - LIST OF ATTACHMENTS

1. FHWA Cost Reimbursement Billing Instructions – 4 pages
2. OF-17, Offer Label – 1 page
3. Past Performance Questionnaire – 3 pages
4. Authorized Negotiators Form – 1 page
5. Certification of Data – 1 page
6. Standard Form LLL, Disclosure of Lobbying Activities – 2 pages
7. FHWA Contract No. DTFH61-06-D-00036 “Use of Radio Frequency Identification (RFID) Tags in Hot Mix Asphalt.” Phase I Technical Report – 47 pages
8. FHWA Contract No. DTRT57-08-C-10009, “Concrete Environmental Monitoring Sensor.” Progress report – 8 pages

PART IV

SECTION K - REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS OR QUOTERS

52.204-8 Annual Representations and Certifications (Jan 2006)

a)

(1) The North American Industry Classification System (NAICS) code for this acquisition is 541712.

(2) The small business size standard is 500 employees.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)

(1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (c) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (c) of this provision instead of completing the corresponding individual representations and certification in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

(i) Paragraph (c) applies.

(ii) Paragraph (c) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [*offeror to insert changes, identifying change by clause number, title, date*]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause	Title	Date	Change

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

(End of Provision)

SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

L.1 PROPOSAL DELIVERY

(please show the RFP number and closing date on the forwarding envelope)

Security procedures prohibit non-uniformed couriers from delivering material directly to offices in the DOT building. Only uniformed couriers from FedEx and the United Parcel Service, who are dressed in a uniform bearing their organization's name and possessing official identification, may deliver proposals or sealed bids directly to the Office of Acquisition Management. Other couriers and individuals must deliver material to the mail room/visitor's center at the new building's main entrance at 1200 New Jersey Avenue, SE. The guard will accept the material, dismiss the courier, and then the material will be examined and x-rayed prior to being delivered to the Office of Acquisition Management through the normal building mail delivery procedures, which could add one or more working days. Alternatively, offerors may ask the guard to call the Acquisition Office (x64232) to have someone come down and accept the material once it has been examined; while we will do our best to accommodate such requests, FHWA is not responsible if someone is not immediately available to pick up your proposal. Offerors must make allowances for these procedures in order to assure that offers arrive on time. **Bids/offers must be received by the Office of Acquisition Management by the time and date due, to be considered timely**, not just delivered to the mail room/visitor's center.

To assist in expediting delivery, the outside of the envelope/package containing the offer must be marked with the completed Optional Form 17, Offer Label, included as Attachment No. 2 and available on line at <http://www.fhwa.dot.gov/aaa/forms.htm>.

Further, please be advised that all of our mail (items handled by the U.S. Postal Service) is sent out of town for scanning and irradiation prior to delivery to the building. This process can add several days to your mailing time, even from local addresses.

Please keep these factors in mind as you determine the best means to deliver your proposal so as to ensure delivery in the Office of Acquisition Management by **no later than 3:00 PM Eastern Time**.

This RFP is being transmitted electronically. Offerors are reminded that if you download copies of this or any other solicitation you will NOT automatically receive amendments to those solicitations. It is your responsibility to check back frequently to the download source to see if any amendments have been issued to solicitations you have downloaded. All amendments will be posted to, and downloadable from **www.fbo.gov**.

Please direct all questions to Mr. Daniel Confer at email Daniel.Confer@dot.gov or phone number (202) 366-0730.

NOTE: With respect to The Procurement Integrity Act requirements regarding "proprietary information," your attention is directed to FAR 3.104-4(d)(1), (2) and (3).

NOTE: Facsimile bids/proposals will not be considered for this solicitation.

L.2 52.204-6 Data Universal Numbering System (DUNS) Number (OCT 2003)

L.3 52.215-1 Instructions to Offerors – Competitive Acquisitions (JAN 2004)

Pursuant to FAR 52.215-1 (JAN 2004), subparagraph (f)(4), the Government intends to evaluate proposals and make awards without discussion with Offerors. Therefore, the Offeror's initial proposal should contain the Offeror's best terms from a cost and technical standpoint. However, the Government reserves the right to conduct discussions if the Contracting Officer determines that they are necessary.

L.4 52.215-16 FACILITIES CAPITAL COST OF MONEY (JUN 2003)

- (a) Facilities capital cost of money will be an allowable cost under the contemplated contract, if the criteria for allowability in FAR 31.205-10(b) are met. One of the allowability criteria requires the prospective Contractor to propose facilities capital cost of money in its offer.
- (b) If the prospective Contractor does not propose this cost, the resulting contract will include the clause Waiver of Facilities Capital Cost of Money.
(End of provision)

L.5 52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates a cost reimbursable contract resulting from this solicitation.

NOTE: Offerors may propose any contract type best suited for their proposal.

NOTE: THIS IS A FULL AND OPEN COMPETITION REQUIREMENT

L.6 PROJECT COORDINATION

Some sensor systems exist and are being developed as a part of other efforts, including the two FHWA on-going studies listed below. Offerors may consider using/integrating components of these sensor systems with their system. Offerors are responsible for contacting the personnel in charge of the research studies for additional information.

FHWA Contract No. DTFH61-06-D-00036 "Use of Radio Frequency Identification (RFID) Tags in Hot Mix Asphalt." Phase I Technical Report is included as Attachment No. 7.

FHWA Contract No. DTRT57-08-C-10009, "Concrete Environmental Monitoring Sensor." Progress report is included as Attachment No. 8.

L.7 INSTRUCTIONS FOR PREPARATION OF PROPOSALS

The Government's evaluation criteria are delineated in Section M, herein. Offerors are advised to carefully review Section M in preparing their proposal submissions.

L.8 PROPOSAL FORMAT

All Offerors shall submit the following:

1. RFP Section A, Blocks 12 through 18 of Standard Form 33 must be filled in as appropriate, signed and returned in Volume II.
2. A completed Standard Form LLL, Disclosure of Lobbying Activities, must be completed and submitted in Volume II. The Form is included as Attachment No. 6.
3. The approach for completing the security plan and accreditation requirements in TAR clause [1252.239-70](#). See H.5 and H.6.
4. In addition, each Offeror must submit an original and 8 copies of the proposal Volumes I and II as described below.

The format of the above proposal volumes shall be as follows:

1. Proposals shall be prepared on 8½ x 11 inch paper.
2. Text shall be printed using a font size no less than 12 cpi.
4. Page margins shall be a minimum of 1 inch top, bottom and each side.
5. No cost/price data shall be included in VOLUME I.

Proposal Submittal Location

The original proposal and eight copies shall be submitted to the following address.

Federal Highway Administration
Office of Acquisition Management
Room Number: E66-207
1200 New Jersey Avenue, SE
Washington, DC 20590
Attn: Daniel Confer (HAAM-30)

L.9 VOLUME I - "TECHNICAL PROPOSAL"

Volume I shall consist of two (2) parts:

Part I – Technical & Management Approach
Part II – Staffing

Parts I, and II of Volume I shall be bound together in a single volume that is separate from VOLUME II.

L.10 VOLUME II - “BUSINESS AND COST/PRICE PROPOSAL.”

Volume II shall consist of three (3) parts:

Part I – Cost/Price Information
Part II – Other Financial & Organizational Information
Part III – Past Performance

Parts I, II, and III of Volume II shall be bound together in a single volume that is separate from VOLUME I.

L.11 VOLUME I - TECHNICAL PROPOSAL

CERTIFICATION OF DATA

The form included as Attachment No. 5, and must be completed and submitted as a part of Volume 1.

PART I - TECHNICAL & MANAGEMENT APPROACH

Please include the following:

- a) Offerors shall review the latest developments related to the applications of advance technology devices and other state-of-art development that could be applied to the monitoring of highway infrastructure systems. Based on findings, the technical proposal shall provide a detailed work plan indicating the scope, approaches, and experimental details for conducting the research under this solicitation. The work plan shall be divided into 2 parts covering Phase I and II. The work plan shall be in sufficient details so that if selected for funding, the offerer can initiate the research within a short period. The proposal shall provide detailed matrix/tables/flowchart showing the experimental approaches to perform the research study and detailed analysis of the collected data.
- b) A discussion of the Offeror’s experience in developing or using sensor or sensor systems for health monitoring of infrastructure systems.
- c) A discussion of the organization’s overall capability to manage, coordinate, and provide the required staffing, facilities, and equipment to accomplish efforts of this type.

Please see Section C and Section M for additional information or clarification on items to be addressed in the technical proposal.

PART II – STAFFING PROPOSAL

The Staffing Proposal shall consist of a clear description of how the proposed staffing meets the objectives of this RFP (see Section C). Provide the names, labor categories, and resumes of all proposed personnel. Resumes shall clearly identify and describe the individual's education, experience, professional registrations, and pertinent journal articles. Provide evidence that all proposed personnel are available and committed to fulfill the proposed level-of-effort.

Please see the statement of objectives (Section C) and the technical evaluation criteria (Section M) for additional information or clarification on items to be addressed in the staffing proposal.

L.12 VOLUME II - BUSINESS AND COST/PRICE PROPOSAL

This volume shall be separate from volume I, and shall contain all pricing information and certain general financial/organizational information as described below:

PART I - COST/PRICE INFORMATION

Your cost or price proposal shall be specific and complete in every detail. Cost figures must **not** be shown in the forwarding letter or in the technical or staffing proposals.

Offerors shall submit a budget summary for proposed period of performance and a separate summary for each year. Budget summaries shall clearly identify the following information as applicable:

- a. Labor Rates – Provide labor rates for all proposed staff. Include number of hours and yearly escalation. Anticipated promotions for any personnel shall be included with the escalation calculation. The annual direct labor escalation rate and its basis shall be clearly stated with the proposal. Discuss your proposed rate as compared to historical experience and include when and how escalation will be calculated/implemented.
- b. Productive Hours – Detail how you define “direct productive hours” and how vacation, sick and other types of leave are accrued, accounted for, and charged.
- c. Indirect Rates – Discuss your proposed rates for all years. Identify the various specific indirect rates and what they are based on (e.g., labor overhead based on direct labor dollars) and how they are applied/calculated. State any differing rate applications (for example if there is a different proposed rate when applied to travel than when applied to Subcontractor costs) Offerors must provide dollar

values as well as percentages. What will the impact be to your indirect rates if awarded this contract?

d. Subcontracting/Consultants: If Subcontractors and/or individual consultants will be used in carrying out the requirements of this project, the following information concerning the Subcontractor shall be furnished:

- (1) Name and address of the Subcontractor or consultant.
- (2) Identify the individual's name, positions and the portion of work to be conducted by the Subcontractor or consultant.
- (3) Cost/price proposal (with supporting information as necessary).

NOTE: Prime Contractors/Offerors are responsible for performing a cost/price analysis on all their proposed Subcontractors/consultants in accordance with FAR 15.404-3. *A cost/price analysis report must accompany each named Subcontractor/consultant as defined at FAR 15.404-3.*

(4) A letter or other statement from each proposed consultant and/or Subcontractor indicating that they have been approached on the matter of participation in this project and are willing and able to do so in the terms indicated.

e. Other Direct Costs & Travel: Offerors shall provide estimates for proposed other direct costs and travel and as provide much detail as possible to substantiate those estimates.

f. Other Division: If other divisions, subsidiaries, a parent or affiliated companies, will perform work or furnish materials under this proposed contract, please provide the name and location of such affiliate and your inter company pricing policy.

g. Right of Examination: By submitting your proposal, you, if selected for negotiation, grant the CO or an authorized representative the right to examine those books, records, documents, and other supporting data that will permit adequate evaluation of the proposed price. This right may be exercised at any time before award. The FHWA may use an independent Contractor for cost and price analyses.

h. Profit/Fee: Offerors may propose a fee and its application base. The basis for the amount of fee should be delineated. The fee percentage should be clearly stated.

PART II - OTHER FINANCIAL/ORGANIZATIONAL INFORMATION

General Information. You must attach a supplemental sheet providing the following information:

- a. Indicate your fiscal year period (provide month to month dates).
- b. Indicate whether the proposed indirect cost rate(s) have been audited and accepted by any Federal audit agency. Give name, location and telephone number of the agency, and the date of acceptance. If no Federal audit has taken place, data supporting the proposed rates over the past three years must accompany the cost proposal. The data shall include a breakdown of the items comprising overhead and G&A, and the base upon which the burdens are computed.
- c. Indicate whether your system of control of Government property has been approved by a Government agency. If so, provide the name, location and telephone number of the Government agency, and date of approval.
- d. Indicate whether written purchasing procedures exist, and whether your purchasing system has been approved by a Government agency. If so, provide the name, location and telephone number of the cognizant agency, and date of approval.
- e. Indicate whether your accounting system has been approved by any Government agency. If so, provide the name, location and telephone number of the cognizant agency, and date of approval.
- f. Attach a current financial statement, including a balance sheet and income statement for the last completed fiscal year. Specify resources available to perform the contract without assistance from any other source. If sufficient funds are not available, indicate the amount required and the anticipated source (i.e., bank loans, letter or lines of credit, etc.).
- g. Your DUNS and TIN numbers.

PART III - PAST PERFORMANCE

In VOLUME II under the original copy, Offerors shall include a minimum of three completed Past Performance Questionnaires by the Offerors customers (See Section J, Attachment No. 3).

1. The completed questionnaires must be submitted by current (within the last three years) customers (include both commercial and Government if applicable) involving similar or related services, at similar dollar values if possible.

2. The completed questionnaires shall be from independent sources.
3. Offerors must submit each completed customer questionnaire in a separate envelope that has been sealed by the customer for confidentiality.
4. The Government may contact the customer point of contact (POC) for verification. POC telephone and facsimile numbers must be accurate and current.
5. The CO will consider such performance information, along with information from other sources, in determining the past performance rating and deciding whether the Offeror is to be considered responsible, as defined in FAR 9.104. The Offeror is responsible for ensuring the questionnaires are completed in a timely manner and are submitted with its VOLUME II proposal.

L.13 52.233-2 SERVICE OF PROTEST (SEPT 2006)

- (a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO) shall be served on the CO (addressed as follows) by obtaining written and dated acknowledgment of receipt from Mr. Frank Waltos, HAAM-10, 1200 New Jersey Avenue, SE, Washington, D.C. 20590.
- (b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L.14 FEDERAL ACQUISITION REGULATIONS (48 CFR CHAPTER 1) SOLICITATION PROVISIONS

52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the CO will make their full text available. The Offerors is cautioned that the listed provisions may include blocks that must be completed by the Offerors and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the Offerors may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this address: <http://www.arnet.gov/far/>.

52.215-1 Instruction to Offerors-Competitive Acquisition (JAN 2004)

52.252-3 ALTERATIONS IN SOLICITATION (APR 1984)

Portions of this solicitation are altered as follows: None.

52.252-5 AUTHORIZED DEVIATIONS IN PROVISIONS (APR 1984)

- (a) The use in this solicitation of any Federal Acquisition Regulation (48 CFR Chapter 1) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the provision.
- (b) The use in this solicitation of any Department of Transportation Acquisition Regulation (48 CFR Chapter 12) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the regulation.

SECTION M - EVALUATION FACTORS FOR AWARD

EVALUATION CRITERIA

The Government's source selection decision will be based on a Best Value, Trade-off process using the following three factors, further defined below: (A) Technical; (B) Cost; (C) Past Performance. When combined, Technical and Past Performance are more important than Cost. As differences in technical and past performance ratings and evaluations between offerors proposals become narrower, cost will increasingly become more important as a factor. Each of these factors is described below.

A. Technical

Technical, Management, and Organizational Capability. Technical, Management, and Organizational Capability. Subfactor (a) has the greatest weight and Subfactors (b) and (c) are of equal weight.

(a) Work Plan

- Adequacy, logic, and completeness of the proposed work plan and its potential for implementation.
- Incorporation into the proposed work plan of innovative ideas, technology from other fields, and new approaches to meet study objectives with an understanding of how they can improve upon pavement condition assessment.

(b) Organization's experience (including any other team members) and capability to perform the research, including:

- Recent experience in developing or using sensors or sensor systems for health monitoring of infrastructure systems.
- Demonstrated ability and experience in managing a research team in complex, product-oriented assignments.
- Adequacy of organizational plans for accommodating closely related research by other organizations.
- Adequacy of available of equipment and facilities to perform the proposed research.

(c) Staffing / Qualifications of Key Personnel

- Knowledge and relevant specialized experience of key personnel as applicable to the proposed objectives. Professional qualifications of the staff assigned to the work. Technical competence by discipline of individual team members (education, registration, and experience).

B. Cost

- Total Cost including Option (Phase II)
- Direct Labor Rates
- Indirect Rates and their application
- Proposed Fee and application

C. Past Performance

The Government will evaluate the relevant merits of each offeror's past performance on the basis of its reputation with its former customers. The lack of a relevant or recent past performance record will result in a rating of neutral. The Government may review some or all of the following past performance areas:

- Timeliness;
- Delivery or Performance;
- Problem Responsiveness;
- Quality of Purchased Product or Services;
- Cost Control;
- Technical Support; and
- Delivered Quantities.

In evaluating Past Performance, the Government may consider information provided by offerors in their proposal submissions, as well as any other information available to the Government.

52.217-5 EVALUATION OF OPTIONS (JUL 1990)

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. Evaluation of options will not obligate the Government to exercise the option(s).

(End of provision)