Form No. DTMB-3521 (Rev. 4/2012)
AUTHORITY: Act 431 of 1984
COMPLETION: Required
PENALTY: Contract change will not be executed unless form is filed

STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
PROCUREMENT
P.O. BOX 30026, LANSING, MI 48909
OR
530 W. ALLEGAN, LANSING, MI 48933

CHANGE NOTICE NO. 4

to

CONTRACT NO. 071B1300047

between

THE STATE OF MICHIGAN

and

NAME & ADDRESS OF CONTRACTOR:	PRIMARY CONTACT	EMAIL
Bristol Technical Services, Inc.	Charlie Bristol	Charlie@bristoltech.com
1325 Balfour	TELEPHONE	CONTRACTOR #, MAIL CODE
Grosse Pointe Park, MI 48230	(313) 282-6339	

STATE CONTACTS	AGENCY	NAME	PHONE	EMAIL
CONTRACT COMPLIANCE INSPECTOR:	DTMB-IT			
BUYER:	DTMB	Joe Kelly	(517) 373-3993	Kellyj11@michigan.gov

CONTRACT SUMMARY:			
DESCRIPTION: **RESTART CSS/TP – MI Inspector**			
INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	AVAILABLE OPTIONS	CURRENT EXPIRATION DATE
October 19, 2010	October 18, 2011	3, one year	October 18, 2012
PAYMENT TERMS	F.O.B	SHIPPED	SHIPPED FROM
N/A	N/A	N/A	N/A
ALTERNATE PAYMENT OPTIONS:			AVAILABLE TO MiDEAL PARTICIPANTS
☐ P-card ☐ Direct Voucher (DV) ☐ Other			☐ YES ☒ NO
MINIMUM DELIVERY REQUIREMENTS:			
N/A			

DESCRIPTION OF CHANGE NOTICE:		
OPTION EXERCISED: ☐ NO ☒ YES	IF YES, EFFECTIVE DATE OF CHANGE: October 19, 2012	NEW EXPIRATION DATE: October 18, 2013
Effective November 7, 2012, resource Srinivasa Chaitanya Setialnri is removed from this contract and replaced by Oscar Castaneda, Programmer Analyst, at a rate of $55/hour. All other terms, conditions, pricing and specifications remain the same. Per vendor and agency agreement and the approval DTMB Procurement.		
VALUE/COST OF CHANGE NOTICE:	$0.00	
ESTIMATED AGGREGATE CONTRACT VALUE REMAINS:	$659,680.00	

Form No. DTMB-3521 (Rev. 4/2012)
AUTHORITY: Act 431 of 1984
COMPLETION: Required
PENALTY: Contract change will not be executed unless form is filed

STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
PROCUREMENT
P.O. BOX 30026, LANSING, MI 48909
OR
530 W. ALLEGAN, LANSING, MI 48933

CHANGE NOTICE NO. 3

to

CONTRACT NO. 071B1300047

between

THE STATE OF MICHIGAN

and

NAME & ADDRESS OF CONTRACTOR:	PRIMARY CONTACT	EMAIL
Bristol Technical Services, Inc.	Charlie Bristol	Charlie@bristoltech.com
1325 Balfour	TELEPHONE	CONTRACTOR #, MAIL CODE
Grosse Pointe Park, MI 48230	(313) 282-6339	

STATE CONTACTS	AGENCY	NAME	PHONE	EMAIL
CONTRACT COMPLIANCE INSPECTOR:	DTMB-IT			
BUYER:	DTMB	Joe Kelly	(517) 373-3993	Kellyj11@michigan.gov

CONTRACT SUMMARY:			
DESCRIPTION: **RESTART CSS/TP – MI Inspector**			
INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	AVAILABLE OPTIONS	CURRENT EXPIRATION DATE
October 19, 2010	October 18, 2011	3, one year	October 18, 2012
PAYMENT TERMS	F.O.B	SHIPPED	SHIPPED FROM
N/A	N/A	N/A	N/A
ALTERNATE PAYMENT OPTIONS:			AVAILABLE TO MiDEAL PARTICIPANTS
☐ P-card ☐ Direct Voucher (DV) ☐ Other			☐ YES ☒ NO
MINIMUM DELIVERY REQUIREMENTS:			
N/A			

DESCRIPTION OF CHANGE NOTICE:		
OPTION EXERCISED: ☐ NO ☒ YES	IF YES, EFFECTIVE DATE OF CHANGE: October 19, 2012	NEW EXPIRATION DATE: October 18, 2013
Effective October 19, 2012, this contract is hereby EXTENDED to October 18, 2013. Please also note that the buyer has been changed to Joe Kelly. Per vendor and agency agreement and the approval DTMB Procurement.		
VALUE/COST OF CHANGE NOTICE:	$0.00	
ESTIMATED AGGREGATE CONTRACT VALUE REMAINS:	$659,680.00	

Form No. DMB 234A (Rev. 1/96)
AUTHORITY: Act 431 of 1984
COMPLETION: Required
PENALTY: Failure to deliver in accordance with Contract terms and conditions and this notice may be considered in default of Contract

STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
PURCHASING OPERATIONS
P.O. BOX 30026, LANSING, MI 48909
OR
530 W. ALLEGAN, LANSING, MI 48933

August 23, 2011

CHANGE NOTICE NO.2
TO
CONTRACT NO. 071B1300047
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF CONTRACTOR **Bristol Technical Services, Inc.** **1325 Balfour** **Grosse Pointe park, MI 48230** **Email: charlie@bristoltech.com**	TELEPHONE Charlie Bristol **313-282-6339** CONTRACTOR NUMBER/MAIL CODE BUYER/CA (517) 335-4770 **Tammi Hart**
CONTRACT COMPLIANCE INSPECTOR :Patty Bogard **RESTART CSS/TP MI-Inspector**	
CONTRACT PERIOD: From: **October 19, 2010**	To: **October 18, 2012**
TERMS **N/A**	SHIPMENT **N/A**
F.O.B. **N/A**	SHIPPED FROM **N/A**
MINIMUM DELIVERY REQUIREMENTS **N/A**	

NATURE OF CHANGE(S):

Effective immediately, this contract is hereby EXTENDED to October 18, 2012. Please also note that the buyer has been changed to Tammi Hart. All other terms, conditions, pricing and specifications remain the same.

AUTHORITY/REASON(S):

Per vendor and agency agreement and the approval of DTMB Purchasing Operations

TOTAL ESTIMATED CONTRACT VALUE REMAINS: $659,680.00

Form No. DMB 234A (Rev. 1/96)
AUTHORITY: Act 431 of 1984
COMPLETION: Required
PENALTY: Failure to deliver in accordance with Contract terms and conditions and this notice may be considered in default of Contract

STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
PURCHASING OPERATIONS
P.O. BOX 30026, LANSING, MI 48909
OR
530 W. ALLEGAN, LANSING, MI 48933

May 18, 2011

CHANGE NOTICE NO.1
TO
CONTRACT NO. 071B1300047
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF CONTRACTOR **Bristol Technical Services, Inc.** **1325 Balfour** **Grosse Pointe park, MI 48230** **Email: charlie@bristoltech.com**	TELEPHONE Charlie Bristol **313-282-6339** CONTRACTOR NUMBER/MAIL CODE BUYER/CA (517) 373-3993 **Joe Kelly**
CONTRACT COMPLIANCE INSPECTOR :Patty Bogard **RESTART CSS/TP MI-Inspector**	
CONTRACT PERIOD: From: **October 19, 2010**	To: **October 18, 2011**
TERMS **N/A**	SHIPMENT **N/A**
F.O.B. **N/A**	SHIPPED FROM **N/A**
MINIMUM DELIVERY REQUIREMENTS **N/A**	

NATURE OF CHANGE(S):

Effective immediately, the following contractors are removed from this contract:

Srikanth Vudayagiri, Programmer, $55/hour
Sarah Acmoody, Programmer, $55/hour

The following contractors are added to this contract:

Srinivasa Chaitanya Setialuri, Programmer, $55/hour
Joseph Welsh, Programmer, $55/hour

Please also note that the buyer has been changed to Joe Kelly.

AUTHORITY/REASON(S):

Per agreement between the vendor and the State of Michigan.

TOTAL ESTIMATED CONTRACT VALUE REMAINS: $659,680.00

Form No. DMB 234A (Rev. 1/96)
AUTHORITY: Act 431 of 1984
COMPLETION: Required
PENALTY: Failure to deliver in accordance with Contract terms and conditions and this notice may be considered in default of Contract

STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET **September 22, 2010**
PURCHASING OPERATIONS
P.O. BOX 30026, LANSING, MI 48909
OR
530 W. ALLEGAN, LANSING, MI 48933

NOTICE OF CONTRACT NO. 071B1300047 between THE STATE OF MICHIGAN and

NAME & ADDRESS OF CONTRACTOR **Bristol Technical Services, Inc.** **1325 Balfour** **Grosse Pointe park, MI 48230** **Email: charlie@bristoltech.com**	TELEPHONE Charlie Bristol **313-282-6339** CONTRACTOR NUMBER/MAIL CODE BUYER/CA (517) 241-0239 **Jacque Kuch**
CONTRACT COMPLIANCE INSPECTOR :Patty Bogard **RESTART CSS/TP MI-Inspector**	
CONTRACT PERIOD: From: **October 19, 2010** To: **October 18, 2011**	
TERMS **N/A**	SHIPMENT **N/A**
F.O.B. **N/A**	SHIPPED FROM **N/A**
MINIMUM DELIVERY REQUIREMENTS **N/A**	

The terms and conditions of this Contract are those of ITB #071I0200252, this Contract Agreement, and the vendor's quote. In the event of any conflicts between the specifications and terms and conditions indicated by the State and those indicated by the vendor, those of the State take precedence.

Contract Value $659,680.00

FOR THE CONTRACTOR:	**FOR THE STATE:**
Bristol Technologies Firm Name	Signature
Authorized Agent Signature	Greg Faremouth, Division Director Name/Title
Authorized Agent (Print or Type)	IT Division Division
Date	Date

SECTION I
GENERAL INFORMATION

I-A PURPOSE

This Contract is for temporary professional services to assist the Department of Technology, Management, and Budget Center for Shared Solutions Technology Partnerships (CSS/TP) and the Michigan Department of Agriculture (MDA) Food and Dairy Division (referred to as "Agency"). The Agency is requesting the following positions:

Two Programmer Analysts (full-time)
One Senior Programmer Analyst (full-time)
One Project Manager (part-time)
Two Senior Project Managers (part-time)

CSS/TP desires to replace an aged application titled "eInspector" which supports the inspection of restaurants and other food processing establishments. In support of the Governor's initiative to leverage technology solutions across a broad spectrum of government entities, the decision was made to modify an application created in Oakland County for the same purpose.

CSS/TP is engaged in the charting and analyzing Michigan's topography to the benefit of the State and local government authorities.

The services must begin on 10/19/2010. The contract awarded from this solicitation will be a time and materials rate contract, with a not to exceed contract price.

The contract period will be from approximately 10/10/2010 to 10/18/2011 (up to 1984 hours per resource), with two one-year options**.** The State does not commit to procuring services in the quantities estimated or in any other amounts.

I-B ISSUING OFFICE

This Contract is issued by Purchasing Operations, State of Michigan, Department of Technology, Management, and Budget (DTMB), hereafter known as Purchasing Operations, and MDA. Where actions are a combination of those of Purchasing Operations, DTMB, and MDA**;** the authority will be known as the State.

Purchasing Operations is the sole point of contact in the State with regard to all procurement and contractual matters relating to the services described herein. Purchasing Operations is the only office authorized to change, modify, amend, alter, clarify, or otherwise alter the specifications, terms, and conditions of this Contract. All communications concerning this procurement must be addressed to:

Jacque Kuch, Buyer
DMB, Purchasing Operations
2nd Floor, Mason Building
P.O. Box 30026
Lansing, Michigan 48909
kuchj@michigan.gov

I-C PROJECT MANAGER and CONTRACT ADMINISTRATOR

DTMB and CSSTP/MDA have assigned a Project Manager and a Contract Administrator who have been authorized by Purchasing Operations to administer the resulting Contract(s) on a day-to-day basis during the term of the Contract. However, administration of any Contract implies no authority to change, modify, clarify, amend, or otherwise alter the terms, conditions, and specifications of such contract. That authority is retained by Purchasing Operations.

The Project Manager for this contract is:

MDA Mi-Inspector
John Baer
DTMB Agency Services MDA and DNRE
Constitution Hall, 5th Floor
525 W. Allegan
Lansing, MI 48933
Tel: 517.241.1297
Fax: 517.241.2777
BaerJ@michigan.gov

Ortho-Imagining & Geographic Data Editing
Rob Surber
DTMB, Center for Geographic Information
Romeny Building, 10th Floor
111 S Capitol Ave
Lansing MI 48933
Tel: 517-373-7910
Fax: 517-373-2939
SurberR@michigan.gov

The Contract Administrator for this contract is:

Patty Bogard, Contract Administrator
DTMB, Bureau of Strategic Policy, Office of Contracts
Mason Building, 2nd Floor
530 West Allegan Street
Lansing, MI 48933
Tel: 517.335.4051
Fax: 517.335.0046
BogardP@michigan.gov

I-D INCURRING COSTS AND LEGISLATIVE APPROPRIATIONS

The State of Michigan is not liable for any costs incurred by any bidder prior to signing of a contract by all parties and delivery of services under the contract. Any costs to be paid by the State are limited to those authorized by the terms and conditions of any resulting Contract.

The State fiscal year is October 1st through September 30th. The prospective contractor is advised that payments in any given fiscal year are contingent upon enactment of legislative appropriations.

I-E PROPOSALS

Reserved

I-F ACCEPTANCE OF ITB and PROPOSAL CONTENT

Reserved

I-G CONTRACTOR RESPONSIBILITIES

The Contractor will be required to assume responsibility for all contractual activities offered in this contract, whether or not the Contractor performs them. Further, the State will consider the Contractor to be the sole point of contact with regard to contractual matters, including payment of any and all charges resulting from the anticipated contract. Contractor must make timely payment to staff performing services for the State.

Note: If any personnel contracted through this RFP are not your employees, but that of another company, you must include a list of those companies (subcontractors), including firm name and address, contact person,

complete description of skill sets to be subcontracted, and descriptive information concerning subcontractor's organizational abilities in your response. The State reserves the right to approve subcontractors for this work and to require the Contractor to replace subcontractors found to be unacceptable. The Contractor is totally responsible for adherence by the subcontractor to all provisions of the Contract. Failure to identify companies providing personnel for your use in Contracts will be cause for cancellation of your Contract and possible removal from the RE:START program.

I-H NEWS RELEASES

News releases pertaining to this Contract or the services, study, data, or project to which it relates will not be made without prior written State approval, and then only in accordance with explicit written instructions from the State. No results of the project are to be released without prior approval of the State and then only to persons designated.

I-I SELECTION CRITERIA

Reserved

I-J INDEPENDENT PRICE DETERMINATION

Reserved

I-K SEALED BID RECEIPT (SEE ALSO PARAGRAPH IV-G)

Reserved

I-L DISCLOSURE

All information in a Contractor's proposal and any Contract resulting from this ITB is subject to disclosure under the provisions of the "Freedom of Information Act.", 1976 Public Act No. 442, as amended, MCL 15.231, et seq.

I-M AWARD

Reserved

I-N MODIFICATIONS, REVISIONS, CONSENTS AND APPROVALS

This Contract may not be modified, amended, extended, or augmented, except by a writing executed by the parties hereto, and any breach or default by a party shall not be waived or released other than in writing signed by the other party.

Additional services which are outside the Scope of Services of this Contract shall not be performed by the Contractor without the prior, written approval of the State. Additional services, when authorized by an executed contract, change order, or an amendment to this Contract, shall be compensated by a fee mutually agreed upon between the State and the Contractor.

I-O CONTRACT DOCUMENTS

The following constitute the complete and exclusive statement of the agreement between the parties as it relates to this transaction:

1. State's ITB and any Addenda thereto;
2. Contractor's response to the State's ITB and Addenda; and
3. All amendments and change orders as written and properly approved.

and by reference:

3. State's Pre-qualification RFI and any Addenda thereto;
4. Contractor's response to the State's Pre-qualification RFI and Addenda

All responses, representations, and assurances contained in the Proposal are incorporated into and are enforceable provisions of this Contract. In the event of any conflict between the provisions of the ITB, and the Contractor's response to the ITB, the terms of the ITB and any Contract amendments shall prevail.

I-P SPECIAL TERMS AND CONDITIONS

1. Normal State work hours are 8:00 a.m. to 5:00 p.m. Monday through Friday.

2. All work will be performed at the site identified in Section III of this Contract, unless otherwise agreed to by both parties.

3. The Contractor must permit representatives of the Michigan Department of Information Technology (DTMB), and the agency, and other authorized public agencies interested in the services requested in this Contract to have full access to the services requested showing the Contractor's performance, during normal business hours.

4. The Contractor, during the performance of services detailed in this Contract, will be responsible for any loss or damage to original documents, belonging to the State when they are in the Contractor's possession. Restoration of lost or damaged original documents shall be at the Contractor's expense.

5. All questions, which may arise as to the quality and acceptability of work, the manner of performance and rate of progress of the work, the interpretation of designs and specifications, and as to the satisfactory and acceptable fulfillment of the terms of this agreement shall be decided by DTMB and the State agencies involved.

6. The Contractor shall agree that it will not volunteer, offer, or sell its services to any litigant against the State its agencies, employees and officials, with respect to any services that it has agreed to perform for the State, provided that this provision shall not apply either when the Contractor is issued a valid subpoena to testify in a judicial or administrative proceeding or when the enforcement of this provision would cause the Contractor to be in violation of any Michigan or Federal law.

7. All work prepared by the Contractor during the execution of this contract shall be considered works made by hire and shall belong exclusively to the State and its designees, unless specifically provided otherwise by mutual agreement of the authorized representatives of the Contractor and the State. This includes, but is not limited to, all new business processes created, all planning and design work performed, all technology developed, the source and object code of all software programs and systems, any business objects or databases created, all related documentation (written or automated), and all documents and reports.

   If by operation of law any of the work, including all related intellectual property rights is not owned in its entirety by the State automatically upon creation thereof, the Contractor agrees to assign, and hereby assigns to the State and its designees the ownership of such work, including all related intellectual property rights. The Contractor agrees to provide, at no additional charge, any assistance and to execute any action reasonably required for the State to perfect its intellectual property rights with respect to the aforementioned work. If the Contractor uses any subcontractors to perform and prepare any of the work, the Contractor shall insure through agreement with the subcontractors that all intellectual property rights in any of the work shall belong exclusively to the State. Failure of the Contractor to insure such rights may be considered by the State to be a material breach of this contract.

8. The Contractor shall agree that they will not furnish or disclose any items owned by the State to a third party without the written permission of the State. This includes both items created as part of this contract and items owned by the State that are incidental to the contract. The Contractor shall also agree not to use items owned by the State for other purposes without the prior written permission of the State.

9. Individuals assigned by the Contractor are employees of the Contractor, and are not, under any circumstances or conditions, employees of the State.

   The State will retain the right to release outright or request the replacement of any person who is working at an inferior level of performance. The Contractor will be given 24 hours advance notice of this action.

12. The Contractor's name, logo, or other company identifier may not appear on documentation delivered to the State without written authorization from the Contract Administrator. An exception to this will be transmittal of cover letters showing delivery of said documents.

13. The Contractor will certify in writing that it is in conformance with all applicable federal and state civil rights and practices equal employment opportunity for all persons regardless of race, creed, color, religion, national origin, gender or handicap; it is also in conformance with the requirements of the Americans with Disabilities Act. Failure to comply with the aforementioned laws may result in termination of the contract.

14. The Contractor shall use all software in accordance with the State's license agreements and any further restrictions imposed by the State. The Contractor shall not make any unauthorized copies of any software under any circumstances. Contractors found copying or knowingly using copyrighted software other than for backup purposes are subject to progressive disciplinary action. Contractors shall not provide software to any outsiders including consultants, local governmental units, and others when this would be a violation of law or copyright agreements.

15. Contractors are responsible for maintaining the confidentiality of their passwords and are liable for any harm resulting from disclosing or allowing disclosure of any password. Any conduct that restricts or inhibits the legitimate business use of State systems or network is prohibited. Each person must use State systems and networks only for lawful purposes. Specifically prohibited is any use of State systems or disclosure of any data which would constitute a criminal offense, give rise to civil liability, violate any State of Michigan policy, or otherwise violate any applicable local, state, or federal law. This also applies to any computer systems or networks that are accessed from State computer systems or networks.

16. DTMB and the Agency have developed, and will continue to develop during the course of this effort, a growing number of information technology standards. The selected Contractor must follow any and all standards adopted by DTMB and the Agency. Where standards do not exist, the final acceptance of a new technique, technology, or design will rest with the Project Manager, following consultation and review with DTMB.

I-Q DEPARTMENT AND CONTRACTOR RESPONSIBILITIES

Department Responsibilities:

1. Provide office space within the Departments for temporary employees selected to work on these projects. NOTE: Access to office space during non-working hours must be approved.

2. Provide conference room space when sufficient notice is given and space is available.

3. Provide telephones for calls originating from within the Department of Information Technology, Agency Services, Departments of State and Treasury, Department of State Division that are project-related.

4. Provide copying services that are project-related.

5. Provide access to Facsimile equipment for items that are project-related.

6. Provide computer hardware and software, as deemed necessary, for all temporary staff/personnel working within the Department.

Contractor Responsibilities:

1. Provide temporary professional services Monday through Friday, during the same work hours as those worked by State employees working at the identified facility.

2. Provide those services requested based on staff having the qualifications identified in this Contract.

3. Provide services on an as needed, if needed, basis. The exact timing and scheduling of the services shall be between the State and the contractor at the time of need.

4. All personnel provided by the Contractor shall be subject to the rules, regulations, and policies of the DTMB, agency/division and the State.

5. The Contractor shall replace all personnel whose work was found to be unsatisfactory within 24 hours of notification. Replacement of discontinued staff will be at the State's sole discretion; the State is not obligated to replace terminated or withdrawn individuals.

   In the event an individual has been terminated or has voluntarily withdrawn from an assignment, the State will advise the Contractor which of the following three options will be employed:
   - The State can request the same Contractor replace the individual with an individual of equal or greater qualifications.
   - The State can choose from the other candidates submitted in response to the ITB, if they are still available and the proposed rates are still valid.
   - The State can re-issue the ITB and obtain a new list of candidates and rates from eligible Contractors.

6. Contractor shall ensure that staff proposed for assignment are fully trained and meet the skill set requirements of the job position being filled.

7. The State and/or its agencies make changes to their technical architectures from time to time. If a contract individual is assigned to a State project or support area and the technology associated with their assignment changes, the Contractor is responsible for training in the new or changed technology (e.g., Contractor personnel needs training in a particular CASE tool in order to perform their State assignment.

   The cost of the course, including any travel expenses, will be the responsibility of the Contractor and the training hours will not be billable to the State). This responsibility includes all fees associated with the actual training course, travel expenses, and also the hours the individual spends in training. The maximum liability to the Contractor firm for training hours for any individual will be two weeks per year.

8. Provide parking when working on-site.

9. Phone calls not related to the project are not to be charged to the State.

10. The Contractor recognizes its responsibility for all tasks and deliverables contained therein, warrants that it has fully informed itself of all relevant factors affecting accomplishment of the tasks and deliverables and agrees to be fully accountable for the performance thereof. In addition, the Contractor assumes full responsibility for the acts of all subcontractors. Contractor shall have sole responsibility for the supervision, daily direction and control, payment of salary (including withholding of income taxes and social security), worker’s compensation, disability benefits and the like for its personnel.

    Contractor's management responsibilities include, but are not limited to, the following:
    - Ensure personnel understand the work to be performed to which they are assigned.
    - Ensure personnel know their management chain and adhere to Contractor policies and exhibit professional conduct to perform in the best interest of the State.
    - Ensure personnel adhere to applicable laws, regulations, and Contract conditions governing Contractor performance and relationships with the State.

- Regularly assess personnel performance and provide feedback to improve overall task performance.
- Ensure high quality results are achieved through task performance.
- Provide training.

I-R USE OF AGENCY STANDARD INFORMATION TECHNOLOGY ENVIRONMENT

Unless otherwise stated in this Contract, all items produced by the Contractor must run on and be compatible with the information technology environment described in Section III.B. of this Contract.

It is recognized that technology changes rapidly. The staff may request a change in the standard environment using the process identified by DTMB. Any changes must be approved, in writing by DTMB, before work may proceed based on the changed environment.

Additionally, the State needs to be able to maintain software and other items produced as the result of the contract. Therefore, software development tools may not be used unless request is made, in writing, and approved by DTMB, in writing.

SECTION II
CONTRACTUAL SERVICES TERMS AND CONDITIONS

II-A CONTRACT PAYMENT

The State shall not be liable to pay the Contractor for any work performed prior to the Contractor's receipt of a fully executed Blanket Purchase Order (BPO).

The services shall be provided and invoiced on a monthly basis, as used. After the services have been rendered, the Contractor shall invoice the State in accordance with the payment provisions of the Contract. Invoices must list the project, agency, Contract number and rate. All invoices MUST include copies of timesheets signed by the project manager verifying hours were worked and that services were acceptably performed.

The State shall not be liable to pay the Contractor for any hours worked in excess of the rate stated in the BPO. The State will not pay the Contractor for overtime, holiday or other premium charges or other benefits.

The Contractor shall not receive payment for Services the State finds unsatisfactory or which were performed in violation of federal, state or local law, ordinance, rule or regulation.

II-B ACCOUNTING RECORDS

The Contractor agrees that the State may, upon 24-hour notice, perform an audit at Contractor's location(s) to determine if the Contractor is complying with the requirements of the Contract. The Contractor agrees to cooperate with the State during the audit and produce all records and documentation that verifies compliance with the Contract requirements.

II-C INDEMNIFICATION

1. For Purposes of Indemnification as set forth in this section, State means the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents.

2. General Indemnification
   The Contractor shall indemnify, defend and hold harmless the State from and against all losses, liabilities, penalties, fines, damages, and claims (including taxes), and all related costs, and all related costs and expenses (including reasonable attorneys; and costs of investigation, litigation, settlement, judgments, interest and penalties), arising from or in connection with any claim, demand, action, citation or legal proceeding against the State arising out of or resulting from the death or bodily injury of any person, or the damage, loss or destruction of any real or tangible personal property, in connection with the performance of services by Contractor, by any of its subcontractors, by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable provided that the Contractor is notified within 30 days from the time that the State has knowledge of such claims. This indemnification obligation shall not apply to the extent, if any, that such death, bodily injury or property damage is caused by the conduct of the State.

3. Patent/Copyright Infringement Indemnification
   The Contractor shall indemnify, defend and hold harmless the State from and against all losses, liabilities, damages (including taxes), and all related costs and expenses (including reasonable attorneys' fees and costs of investigation, litigation, settlement, judgments, interest and penalties) incurred in connection with any action or proceeding threatened or brought against the State to the extent that such action or proceeding is based on a claim that any piece of equipment, software, commodity or service supplied by the Contractor or its subcontractors, or the operation of such equipment, software, commodity or service, or the use or reproduction of any documentation provided with such equipment, software, commodity or service infringes any United States patent, copyright or trade secret of any person or entity, which is enforceable under the laws of the United States.

   In addition, should the equipment, software, commodity, or service, or its operation, become or in the State's or Contractor's opinion be likely to become the subject of a claim of infringement, the Contractor

shall at the Contractor's sole expense (i) procure for the State the right to continue using the equipment, software, commodity or service or, if such option is not reasonably available to the Contractor, (ii) replace or modify to the State's satisfaction the same with equipment, software, commodity or service of equivalent function and performance so that it becomes non-infringing, or, if such option is not reasonably available to Contractor, (iii) accept its return by the State with appropriate credits to the State against the Contractor's charges and reimburse the State for any losses or costs incurred as a consequence of the State ceasing its use and returning it.

4. Continuation of Indemnification Obligation
   The duty to indemnify will continue in full force and effect, not withstanding the expiration or early cancellation of the Contract, with respect to any claims based on facts or conditions that occurred prior to expiration or cancellation.

II-D LIMITATION OF LIABILITY

The Contractor's liability for damages to the State for any cause whatsoever, and regardless of the form of action, whether in contract or tort, shall be limited the value of the Contract or $200,000 which ever is higher. The foregoing limitation of liability shall not apply to claims for infringement of United States patent, copyright or trade secrets; to claims for death or bodily injury or damage to any real or tangible personal property caused by the negligence or fault of the Contractor; to claims related to the Contractor's unauthorized release of confidential information; to claims covered by other specific provisions of this Contract, if any, calling for liquidated damages; to the Contractor's indemnification obligations under Section II-C; and to the receipt of court costs or attorney's fees that might be awarded by a court in addition to damages after litigation based on this Contract.

Neither the Contractor nor the State shall be liable to the other for indirect or consequential damages even, if such party has been advised of the possibility of such damages. This limitation as to indirect or consequential damages does not apply to claims for infringement of United States patent, copyright or trade secrets; to claims related to the Contractor's unauthorized release of confidential information; to other specific provisions of this Contract, if any, calling for liquidated damages; or to the receipt of court costs or attorney's fees that might be awarded by a court in addition to damages after litigation based on this Contract.

II-E CONTRACTOR'S LIABILITY INSURANCE

BEFORE STARTING WORK THE CONTRACTOR MUST FURNISH TO THE DIRECTOR OF PURCHASING OPERATIONS, CERTIFICATE(S) OF INSURANCE VERIFYING LIABILITY COVERAGE. THE CONTRACT OR PURCHASE ORDER NO. MUST BE SHOWN ON THE CERTIFICATE OF INSURANCE TO ASSURE CORRECT FILING. These Certificates shall contain a provision that coverage's afforded under the policies will not be canceled until at least fifteen days prior written notice bearing the Contract Number or Purchase Order Number has been given to the Director of Purchasing Operations.

The Contractor shall purchase and maintain such insurance as will protect him from claims set forth below which may arise out of or result from the Contractor's operations under the Contract (Purchase Order), whether such operations be by himself or by any Subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

1. Claims under workers' disability compensation, disability benefit and other similar employee benefit act. A non-resident Contractor shall have insurance for benefits payable under Michigan's Workers' Disability Compensation Law for any employee resident of and hired in Michigan; and as respects any other employee protected by workers' disability compensation laws of any other state the Contractor shall have insurance or participate in a mandatory state fund to cover the benefits payable to any such employee.

2. Claims for damages because of bodily injury, occupational sickness or disease, or death of his employees.

3. Claims for damages because of bodily injury, sickness or disease, or death of any person other than his employees, subject to limits of liability of not less than $100,000 each occurrence and, when

applicable $300,000 annual aggregate, for non-automobile hazards and as required by law for automobile hazards.

4. Claims for damages because of injury to or destruction of tangible property, including loss of use resulting, subject to a limit of liability of not less than $50,000 each occurrence for non-automobile hazards and as required by law for automobile hazards.

5. Insurance for Subparagraphs (3) and (4) non-automobile hazards on a combined single limit of liability basis shall not be less than $100,000 each occurrence and when applicable, $300,000 annual aggregate.

The insurance shall be written for not less than any limits of liability herein specified or required by law, whichever is greater, and shall include contractual liability insurance as applicable to the Contractor's obligations under the Indemnification clause of the BPO.

II-F CANCELLATION

The State may cancel this Contract without further liability or penalty to the State, its departments, divisions, agencies, offices, commissions, officers, agents and employees for any of the following reasons:

1. Material Breach by the Contractor. In the event that the Contractor breaches any of its material duties or obligations under the Contract the State may, having provided written notice of cancellation to the Contractor, cancel this Contract in whole or in part, for cause, as of the date specified in the notice of cancellation.

   In the event that this Contract is cancelled for cause, in addition to any legal remedies otherwise available to the State by law or equity, the Contractor shall be responsible for all costs incurred by the State in canceling the Contract, including but not limited to, State administrative costs, attorneys fees and court costs, and any additional costs the State may incur to procure the services required by this Contract from other sources. All excess re-procurement costs and damages shall not be considered by the parties to be consequential, indirect or incidental, and shall be subject to the dollar limitation of liability as provided in Section II-D.

   In the event the State chooses to partially cancel this Contract for cause charges payable under this Contract will be equitably adjusted to reflect those services that are cancelled.

   In the event this Contract is cancelled for cause pursuant to this section, and it is therefore determined, for any reason, that the Contractor was not in breach of contract pursuant to the provisions of this section, that cancellation for cause shall be deemed to have been a cancellation for convenience, effective as of the same date, and the rights and obligations of the parties shall be limited to that otherwise provided in the Contract for a cancellation for convenience.

2. Cancellation For Convenience By the State. The State may cancel this Contract for its convenience, in whole or part, if the State determines that such a cancellation is in the State's best interest. Reasons for such cancellation shall be left to the sole discretion of the State and may include, but not necessarily be limited to (a) the State no longer needs the services or products specified in the Contract, (b) relocation of office, program changes, changes in laws, rules, or regulations make implementation of the Contract services no longer practical or feasible, and (c) unacceptable prices for additional services requested by the State. The State may cancel the Contract for its convenience, in whole or in part, by giving the Contractor written notice 30 days prior to the date of cancellation. If the State chooses to cancel this Contract in part, the charges payable under this Contract shall be equitably adjusted to reflect those services that are cancelled.

3. In the event that funds to enable the State to effect continued payment under this Contract are not appropriated or otherwise made available. The Contractor acknowledges that, if this Contract extends for several fiscal years, continuation of this Contract is subject to appropriation or availability of funds

for this project. If funds are not appropriated or otherwise made available, the State shall have the right to cancel this Contract at the end of the last period for which funds have been appropriated or otherwise made available by giving written notice of cancellation to the Contractor. The State shall give the Contractor written notice of such non-appropriation or unavailability within 30 days after it receives notice of such non-appropriation or unavailability.

4. In the event the Contractor, an officer of the Contractor, or an owner of a 25% or greater share of the Contractor, is convicted of a criminal offense incident to the application for or performance of a State, public or private Contract or subcontract; or convicted of a criminal offense including but not limited to any of the following: embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, attempting to influence a public employee to breach the ethical conduct standards for State of Michigan employees; convicted under State or federal antitrust statutes; or convicted of any other criminal offense which in the sole discretion of the State, reflects upon the Contractor's business integrity.

5. In the event any final administrative or judicial decision or adjudication disapproves a previously approved request for purchase of personal services pursuant to Constitution 1963, Article 11, section 5, and Civil Service Rule 4-6. Cancellation may be in whole or in part and may be immediate as of the date of the written notice to the Contractor or may be effective as of the date stated in such written notice.

II-G ASSIGNMENT

The Contractor shall not have the right to assign this Contract or to assign or delegate any of its duties or obligations under this Contract to any other party (whether by operation of law or otherwise), without the prior written consent of the State. Any purported assignment in violation of this section shall be null and void. Further, the Contractor may not assign the right to receive money due under the Contract without the prior written consent of the State Purchasing Operations Director.

II-H DELEGATION

The Contractor shall not delegate any duties or obligations under this Contract to a subcontractor other than a subcontractor named in the bid unless the State Purchasing Operations Director has given written consent to the delegation.

II-I NON-DISCRIMINATION CLAUSE

In the performance of any Contract or purchase order resulting herefrom, the bidder agrees not to discriminate against any employee or applicant for employment, with respect to their hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, religion, national origin, ancestry, age, sex, height, weight, marital status, physical or mental disability unrelated to the individual's ability to perform the duties of the particular job or position. The bidder further agrees that every subcontract entered into for the performance of any Contract or purchase order resulting herefrom will contain a provision requiring non-discrimination in employment, as herein specified, binding upon each subcontractor. This covenant is required pursuant to the Elliot Larsen Civil Rights Act, 1976 Public Act 453, as amended, MCL 37.2101, et seq, and the Persons with Disabilities Civil Rights Act, 1976 Public Act 220, as amended, MCL 37.1101, et seq, and any breach thereof may be regarded as a material breach of the Contract or purchase order.

II-J UNFAIR LABOR PRACTICES

Pursuant to 1980 Public Act 278, as amended, MCL 423.231, et seq, the State shall not award a Contract or subcontract to an employer whose name appears in the current register of employers failing to correct an unfair labor practice compiled pursuant to section 2 of the Act. This information is compiled by the United States National Labor Relations Board.

A Contractor of the State, in relation to the Contract, shall not enter into a Contract with a subcontractor, manufacturer, or supplier whose name appears in this register. Pursuant to section 4 of 1980 Public Act 278, MCL 423.324, the State may void any Contract if, subsequent to award of the Contract, the name of the

Contractor as an employer, or the name of the subcontractor, manufacturer or supplier of the Contractor appears in the register.

II-K SURVIVOR

Any provisions of the Contract that impose continuing obligations on the parties including, but not limited to the Contractor's indemnity and other obligations shall survive the expiration or cancellation of this Contract for any reason.

II-L GOVERNING LAW

This Contract shall in all respects be governed by, and construed in accordance with, the laws of the State of Michigan. Any dispute arising herein shall be resolved in the State of Michigan.

II-M NO WAIVER OF DEFAULT

The failure of a party to insist upon strict adherence to any term of a Contract resulting from this ITB shall not be considered a waiver or deprive the party of the right thereafter to insist upon strict adherence to that term, or any other term, of the Contract.

II-N SEVERABILITY

Each provision of the Contract shall be deemed to be severable from all other provisions of the Contract and, if one or more of the provisions of the Contract shall be declared invalid, the remaining provisions of the Contract shall remain in full force and effect.

II-O HEADINGS

Captions and headings used in the Contract are for information and organization purposes. Captions and headings, including inaccurate references, do not, in any way, define or limit the requirements or terms and conditions of this Contract.

II-P RELATIONSHIP OF THE PARTIES

The relationship between the State and the Contractor is that of client and independent Contractor. No agent, employee, or servant of the Contractor or any of its subcontractors shall be or shall be deemed to be an employee, agent, or servant of the State for any reason. The Contractor will be solely and entirely responsible for its acts and the acts of its agents, employees, servants and subcontractors during the performance of this Contract.

II-Q MISCELLANEOUS

1. The Contractor covenants that it is not, and will not become, in arrears to the State upon any contract, debt, or any other obligation to the State, including real property and personal property taxes.

2. DAMAGES FOR UNAUTHORIZED PERSONNEL CHANGES
    a. The Contractor shall not replace the personnel designated in this Contract without the prior, written approval of the State.
    b. If the Contractor violates this requirement, it shall pay the State, as liquidated damages and not as a penalty, a sum equal to the amount payable under this Contract.
    c. The State may recover the amount due from the Contractor under this section by setting off against any amount due under this Contract or other contracts it may have with the Contractor.

3. AUTHORIZATION & CAPABILITY
    a. The Contractor warrants that it has taken all corporate actions necessary for the authorization, execution, delivery and performance of this Contract. It is ready to perform its obligations.
    b. The Contractor further warrants that the person signing this Contract is authorized to do so on behalf of the Contractor and is empowered to bind the Contractor to this Contract.

SECTION III
WORK STATEMENT

A. Brief Description of Work

Mi-Inspector
The Agency desires to adapt an application created by Oakland County to satisfy Agency requirements. The work includes codes changes and updates, migration of the data from the current solution, and assisting with installing the solution into the State of Michigan Enterprise (referred to as "Enterprise").

Ortho-Imagining
CSS/TP desires to gather data and/or correct issues with "orthoimagery reprojection", "datasets", and "resolution degradation and compression".

Geographic Data Editing
Update and correct geographic data held in a multi-dimensional database and generate reports as needed.

B. Background on the work requested

General
DTMB is increasingly moving towards a shared solutions application/services model, as well as partnering with the local units in government in leveraging technology, with a goal to helping SOM Agencies better serve the citizens and businesses of the state. In establishing technological partnership aims to share technology among and with the local governments in Michigan, in support of the Governor's initiative to assist the local governments by leveraging the State of Michigan buying power and know-how.

In support of this mission, we need to have in place staff that we can call on to assist with projects that are passed to the DTMB. Because the projects are labor intensive while they are in development phase, it makes sense to augment the staff rather than hire FTEs because when the projects enter the Maintenance phase, the regular Agency Services staff can maintain them with the use of maintenance plans from the original creators. Also, the advance skill sets required to execute the projects make it a daunting and uneconomical feat to recruit and retain staff that are engaged in short lived projects.

Mi-Inspector
The Michigan Department of Agriculture (MDA) relies on an electronic inspection system for scheduling, documenting and tracking food inspections and complaint investigations of MDA-licensed food establishments statewide. MDA's current system, eInspector, was evaluated and determined to be difficult and expensive to modify or enhance; resource-intensive to setup and configure on field laptops; and the core technology is near the end of its lifecycle.

As a result of this determination, the MDA in partnership with the Michigan Department of Information Technology (DTMB) initiated a project in May 2008 to replace eInspector. Several alternative systems were reviewed and findings were presented to management. On September 2, 2008, MDA Food and Dairy Division Director Katherine Fedder announced MDA has selected the E-Health system to replace eInspector.

The ultimate purpose of this project is to adopt, modify and leverage the eHealth system to create a statewide food and dairy inspection platform between MDA and local health agencies. The modified version of E-Health will be referred to as Mi-Inspector.

Because of the lack of technical expertise in some local jurisdictions, and the Governor's mandate to assist the Local Governments in Leveraging the SOM buying power and know-how, the Agency Services will undertake to make this application benefit all county governments

Ortho-Imagining
The State of Michigan (SOM) DTMB is administering a program to support statewide acquisition of imagery for its business use. State and Federal agencies are contributing to this program administered DTMB.

One track is to acquire imagery that can support base feature identification, interpretation, and conversion for state agency business. The plan is to have the entire state covered with base imagery every five years.

Where possible, the SOM DTMB intends to be a funding partner with existing local, county and regional ortho-imagery acquisition projects over the course of a five-year period. The goal is to leverage dollars between government agencies for common imagery products that meet the major business needs of all and yet protect the interests of all.

For any area not covered under a partnership during the five-year cycle, the SOM DTMB will serve as project manager to acquire imagery in order to complete the balance of the state.

Geographic Data Editing
DTMB provides a wide range of geo-spatial data support to State agencies and the general public. The volume and type of request on occasion cannot be met with the resources within the organization. This RESTART will allow additional resources and skill sets to be available to ensure that DTMB continues to meet the State agency expectation of high quality work within available budget constraints.

C. Objectives

Mi-Inspector
Change an existing application developed by Oakland County in a manner which will permit operation in the Enterprise and to add enhancements to satisfy Agency requirements.

Migrate the data currently held in an Oracle database titled “eInspector” to the Mi-Inspector SQL 2005 database.

Create documents to assist DTMB staff install Mi-Inspector into the Enterprise.

Ortho-Imagining
Obtain and integrate Michigan OrthoImagery into the Enterprise and make this data available to stakeholders.

Geographic Data Editing
Provide accurate geographic data to DTMB customers.

D. Agency technical environment for the work

Mi-Inspector

Host
Web Server: IBM WebSphere IHS 6.1
Application Server: IBM WebSphere 6.1
Database Server: MS SQL 2005
Hardware: SUN
OS: Unix Sun Solaris 10.x

Off-line Client
Notebook: Dell 630
OS: Windows XP
Development Environment: Microsoft .NET (3.5 framework)

Ortho-Imagining & Geographic Data Editing
Tool: ERDAS IMAGINE
Tool: ER Mapper

E. Description of the requested work, including deliverables and knowledge transfer

Mi-Inspector
1. Install the Oakland County “eHealth” application into the Mi-Inspector development environment.
2. Convert Oracle database to Microsoft SQL 2005

3. Change embedded Oracle syntax to Microsoft SQL 2005
4. Re-brand application to Mi-Inspector
5. Code identified Host enhancements in Java
6. Code off-line solution in Microsoft .NET
7. Migrate the data from the “eInspector” application to Mi-Inspector.
8. Create installation and support documents

Ortho-Imagining

Phase 1: OrthoImagery Reprojection

Most OrthoImagery resulting from the partnership is delivered in a coordinate system other than the state standard coordinate system, Michigan GeoRef. Since it is the desire of the DTMB to have all GIS and remotely sensed data placed into the Michigan GeoRef coordinate system, the OrthoImagery must be reprojected from its native coordinate system (usually Stateplane) into Michigan GeoRef. This is a straightforward and relatively speedy process for vector data, such as transportation networks and hydrography data. However, it is a much more difficult and time-consuming process for raster data, particularly image raster data, such as OrthoImagery. High pixel resolution affects the size of files dramatically, which complicates and extends processing, including the reprojection process. Table 1, below, gives the approximate size, in Gigabytes, for a standard sized county.

	6" resolution	1' resolution
B&W	70 Gb	17.5 Gb
Color	210 Gb	52.5 Gb

DTMB will provide to the vendor OrthoImagery datasets from partner counties or regions. The vendor will import, reproject and tile out imagery into DTMBs chosen image format. Data will be moved from DTMB to the vendor, and vice versa, by high capacity external hard drives or an ftp portal.

Phase 2: OrthoImagery Dataset Correction

Although most OrthoImagery contracts result in aesthetically pleasing, seamless datasets, DTMB may encounter some imagery that has not gone through a robust balancing process to remove such things as seams and checkerboard patterns. It may be necessary to process this imagery to fix or minimize such balancing and matching issues , which often requires specialized software and a practiced eye. Many other issues may also exist. These include corrupt image tiles, missing data, incorrect or missing projection information and/or other radiometric or spatial problems. These additional issues need to be dealt with as they occur.

The vendor staff must have both the skill and the software to accomplish image corrections. All corrections should be accomplished in conjunction with the reprojection process. Radiometric corrections will be completed using ERDAS IMAGINE and ER Mapper image processing software.

Phase 3: Resolution Degradation and Dataset Compression

DTMB ultimately wants to store all OrthoImagery at the highest resolution possible (typically 6”) for use by other State agencies. If it becomes necessary to make a degraded resolution available to the general public, the vendor can provide highly compressed, two-foot resolution images to fill this need. The vendor is requested, if at all possible, to compress the imagery using near-lossless compression techniques. Imagery can often be compressed up to 20x without significant loss of quality.

Data will be degraded to a 2.0 foot x 2.0 foot pixel resolution and will be compressed using near-lossless compression techniques at a target compression ratio of 10:1. This will reduce the size of the imagery dataset to approximately 1 - 5% of its original size, depending on original resolution (see example below).

0.5 foot resolution, uncompressed (70 MB)	2 foot resolution, compressed 10x (0.5 MB)

Given the high quality and sheer quantity of data produced through the Michigan Imagery Grant Partnership, opportunities exist for further processing and long-term maintenance of this imagery.

Phase 4: 3-Dimensional processing
High resolution imagery, paired with elevation information, offers the ability to view the landscape in 3-D. Using specialized software, it is possible to drape OrthoImagery on top of a digital elevation model (DEM) or digital surface model (DSM) to create 3-D perspective views. A 3-D perspective can aid in many activities. Some include:

Topographic analyses as follows:
- view shed analysis
- flood and erosion prediction
- sand dune movement.

Transportation planning as follows:
- road placement
- Emergency response and wildfire fighting
- Agricultural analyses, such as locating cold air drainage sites for cherry orchards
- Informing the public (about features and resources available in an area)

Increasingly, Michigan counties are purchasing high precision contour data as part of their OrthoImagery contracts. This data is useful for precise 3-D analyses.

The vendor must be capable of virtual 3-D data creation and analysis using a variety of elevation and imagery data. Additionally, vector data, such as roads and hyrography, can be displayed on top of 3-D virtual data.

Phase 5: Historic Datasets
As the OrthoImagery grant opportunity continues into the next phase and DTMB starts receiving updated OrthoImagery from participating counties, it must determine if and how it wants to store the historic imagery. Space, again, is an important consideration, but use is as well. Many users are interested in historic imagery, as well as recent imagery. The vendor must be able to suggest and/or provide a reputable repository of historic imagery for the State of Michigan. The vendor will also be asked to suggest ways that the Michigan Imagery can to be integrated into the Michigan State University Aerial Imagery Archive.

Other Geographic Data Editing
Edit and create deliverables meeting required specifications on a project-by-project basis.

F. Any specific regulations, requirements or expertise applicable, including specific background/security checks required.

Mi-Inspector Programmer Analyst
1. The successful candidate must have a minimum of 2 years of experience in the development of hosted Java solutions.
2. The successful candidate must have a minimum of 2 years of experience and be able to demonstrate knowledge and understanding of Microsoft .NET environment to develop products in the .NET 3.5 Framework.
3. The successful candidate must have 2-5 years of experience and be able to demonstrate expert knowledge of .NET Framework version 3.5 (e.g., Common Language Runtime environment, base and extended class libraries, application security, role-based security, code access security, memory and file management, process and thread management, XML web services, Visual Studio 2008).
4. The successful candidate must have 2-5 years of experience and have strong knowledge of Oracle and SQL Server 2005 database software. In addition, the selected candidate must understand principles of database tuning and transaction performance improvement.

OrthoImagery Project Manager

1. The successful candidate must have 2-5 years of experience and be able to cite examples of successfully completed Imagery projects.
2. The successful candidate must have demonstrate-able knowledge of the State of Michigan PMM methodology.
3. Plans and coordinates work teams. Provides management and technical support to project team members. Designs and implements project plans. Generally manages a group of applications system analysts or infrastructure specialists. Relies on experience and judgment to plan and accomplish goals. Typically reports to a senior manager.

OrthoImagery Senior Project Manager

All of the skills of a project manager plus:

1. The successful candidate must have 7 years of IT project management experience and be able to cite examples of successfully completed Imagery projects.
2. The successful candidate must be able to cite examples of successfully managing complex projects or a portfolio of projects.

OrthoImagery Program Programmer Analyst

1. The successful candidate must have a minimum of 2 years of experience in OrthoImagery Reprojection.
2. The successful candidate must have a minimum of 2 years of experience in OrthoImagery Dataset Correction
3. The successful candidate must have a minimum of 2 years of experience in Resolution Degradation and Dataset Compression
4. The successful candidate must have a minimum of 2 years of experience in 3-Dimensional processing
5. The successful candidate must have a minimum of 2 years of experience in historic Datasets Archival using image-processing software such as ERDAS IMAGINE and/or ER Mapper.

OrthoImagery Program Senior Programmer Analyst

All of the skills of a programmer analyst plus:

1. The successful candidate must have 2-5 years of experience successfully leading development teams.
    a. Demonstrate ability to use Situational Leadership to tune and adjust leadership style as needed to address team and project needs
    b. Demonstrate ability to lead small and medium sized teams, < 15 members.
    c. Demonstrate ability to sustainably lead multiple ongoing concurrent project teams.

Geographic Data Editing Programmer Analyst

1. The successful candidate must have a minimum of 2 years of experience in Geographic data editing.
2. The successful candidate must have a minimum of 2 years of experience in Geographic attribute editing – accurate data entry
3. The successful candidate must have a minimum of 2 years of experience in Geographic editing custom tool creation – programming
4. The successful candidate must have a minimum of 2 years of experience in Geographic data automation process – programming
5. The successful candidate must have a minimum of 2 years of experience in QA/QC process/program creation – automated and manual

G. Reports required

A bi-weekly progress report must be submitted to the Agency Project Manager throughout the life of this project. This report may be submitted with the billing invoice. Each bi-weekly progress report must contain the following:

1. Hours: Indicate the number of hours expended during the past two weeks, and the cumulative total to date for the project. Also state whether the remaining hours are sufficient to complete the project.

2. Accomplishments: Indicate what was worked on and what was completed during the current reporting period.

3. Funds: Indicate the amount of funds expended during the current reporting period, and the cumulative total to date for the project.

4. Plans: Anticipated efforts for the next two (2) weeks.

5. Issues: Any ongoing issues that require action or information from DTMB in order to resolve.

H. Location where the work is to be performed
State facility or vendor site as agreed.

I. Hours
Work hours are not to exceed eight (8) hours a day, forty (40) hours a week. Normal working hours of 8:00 am to 5:00 pm are to be observed unless otherwise agreed to in writing.

No overtime will be permitted without prior written approval of both the vendor and agency project manager.

J. State's contract/project manager for the work [who does the Contractor report to]

MDA Mi-Inspector
John Baer
DTMB Agency Services MDA and DNRE
Constitution Hall, 5th Floor
525 W. Allegan
Lansing, MI 48933
Tel: 517.241.1297
Fax: 517.241.2777
BaerJ@michigan.gov

Ortho-Imagining & Geographic Data Editing
Rob Surber
DTMB, Center for Geographic Information
Romeny Building, 10th Floor
111 S Capitol Ave
Lansing MI 48933
Tel: 517-373-7910
Fax: 517-373-2939
SurberR@michigan.gov

K. The numbers of personnel by skill set (classification),

PROGRAMMING

Programmer – Analyst Senior -One (not to exceed rate $85.00) (full time, 1984 hours)
Programmer-Analyst capabilities with 8 or more years of experience, relies on experience and judgment to plan and accomplish goals, performs a variety of complicated tasks, may lead and direct the work of others, may report directly to a project lead or manager, a wide degree of creativity and latitude is expected.

Programmers – Two (not to exceed rate $55.00) (full time 1984 hours each)
Converts data from project specifications and statements of problems and procedures to create or modify computer programs: Prepares, or receives from systems analyst detailed workflow chart and diagram to illustrate sequence of steps that program must follow and to describe input, output, and logical operations involved. Analyzes workflow chart and diagram, applying knowledge of computer capabilities, subject matter, and symbolic logic. Confers with supervisor and representatives of departments concerned with program to resolve questions of program intent, data input, output requirements, and inclusion of internal checks and

controls. Converts detailed logical flow chart to language processable by computer. Enters program codes into computer system. Inputs test data into computer. Observes computer monitor screen to interpret program operating codes. Corrects program errors, using methods such as modifying program or altering sequence of program steps. Writes instructions to guide operating personnel during production runs. Analyzes, reviews, and rewrites programs to increase operating efficiency or to adapt program to new requirements. Compiles and writes documentation of program development and subsequent revisions. May train workers to use program. May assist computer operator to resolve problems in running computer program.
May work with systems analyst to obtain and analyze project specifications and flow charts. May direct and coordinate work of others to write, test, and modify computer programs.

Programmer capabilities with 1-7 years of experience, relies on experience and judgment to plan and accomplish goals, performs a variety of complicated tasks, may lead and direct the work of others, may report directly to a project lead or manager, a wide degree of creativity and latitude is expected.

PROJECT MANAGEMENT – These positions WILL NOT be full time. They will be AS NEEDED throughout the project. More hours will be dedicated at the beginning and then fewer as the project winds down.

Project Manager –One (not to exceed rate $95.00) (part-time)
Plans and coordinates work teams. Provides management and technical support to project team members. Handles complex projects. Designs and implements project plans. Generally manages a group of applications system analysts or infrastructure specialists. Relies on experience and judgment to plan and accomplish goals. Typically reports to a senior manager.

Project Manager capabilities with 2-7 years of experience.

Project Managers Senior – Two (not to exceed rate $110.00) (part-time)

Project Manager capabilities with 7 or more years of experience.

L. Start and End Dates for the work
October 19, 2010 – October 18, 2011 (approximate)

M. PRICE PROPOSAL

1. All rates quoted in bidder's response to this ITB will be firm for the duration of the contract. No price changes will be permitted.

2. Pricing
   Classification/skill set: Programmer –Srikanth Vudayagiri (full-time)
   Hourly Rate: $55.00 x 1984 = $109,120.00
   Classification/skill set: Programmer – Sarah AcMoody (full-time)
   Hourly Rate: $55.00 x 1984 = $109,120.00
   Classification/skill set: Senior Programmer Analyst – Joel Lenz (Full-time)
   Hourly Rate: $85.00 x 1984 = $168,640.00
   Classification/skill set: Project Manager – David Lusch (part-time)
   Hourly Rate: $95.00 x 992 = $94,240.00
   Classification/skill set: Senior Project Manager- Jessica Jo Moy (part-time)
   Hourly Rate: $90.00 x 992 = $89,280
   Classification/skill set: Senior Project Manager – Charles Bristol (part-time)
   Hourly Rate: $90.00 x 992 = $89,280

   Total contract value $659,680.00