Report to the Senate and House Standing Committees on Appropriations and General Government

Required by Section 809 of Public Act 252 of 2014

Prepared for the
Senate and House Standing Committees on
Appropriations and General Government

Department of Technology, Management and Budget
State Administrative Board
08-18-2015

Form No. DTMB-3530 (Rev. 1/28/2014)

Ad Board Date: 8/18/2015 (ver. 1)

STATE ADMINISTRATIVE BOARD
CONTRACT CHANGE RECOMMENDATION
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
PROCUREMENT

AGENCY SUBMITTAL ☐ Statutory Authority per MCL_____ (state MCL Section #)
☐ Standard Delegation via Ad Guide _____ (state Ad Guide #)
☐ Special Delegation letter (submit with bid tab)
☐ Purchasing Alliance Approval Form (submit with bid tab)

DTMB PROCUREMENT SUBMITTAL ☒

CONTRACT DESCRIPTION: Various (see attached)

This request will satisfy the needs of multiple agencies for the Sigma Interfaces performed by each agency's current system vendor and/or through prequal bids for staff augmentation resources.

CHANGE NOTICE NUMBER: _____

CONTRACTOR:	**MICHIGAN BUSINESS:**	**INCREASE:**
See Attached, Michigan based Contractors have been identified.	☐	$334,375.00 for Contract Changes + $4,000,000.00 for staff augmentation. Original Requested Amount $11,045,725.00 + $4,334,375.00 = $15,380,100

☐ **Check if request is to exercise Contract option(s).**
Requested time period and length: _____

☐ **Check if request is to extend Contract (no option in base).**
Time period of extension and length: _____

☐ **Check if extension is beyond Contract option year(s).**
Time period of extension and length: _____

☒ **Check if this is an Extended Purchasing Contract**

ORIGINAL CONTRACT: # of Base Years: Various **Beginning Value:** Various

Start Date and End Date: Various, see attached table

CURRENT CONTRACT VALUE: Various, see attached table

NEW TOTAL CONTRACT VALUE: Various, see attached table

PREVIOUS OPTION YEARS/EXTENSIONS: N/A

	PERIOD: (Option/Extension start date – end date and state length)	SAB APPROVAL DATE:	$ VALUE:
☐ Option 1 CN #	N/A		
☐ Extension CN #	N/A		
		TOTAL	$0

PREVIOUS CHANGES NOT LISTED ABOVE IN THE OPTIONS/EXTENSIONS TABLE:

	TYPE OF CHANGE:	SAB APPROVAL DATE: (if applicable)	VALUE OF CHANGE:
First CN	N/A		$
Last CN	N/A		$

Total number of processed changes to time, scope, and/or dollars: _____

FUNDING SOURCE:	PERCENTAGE:	Indicate RESTRICTED FUND name or COMMENTS:
Various	Various	Various

SHOW THE BREAKDOWN OF THIS INCREASE BY FISCAL YEAR(S):

FY:	DOLLAR AMOUNT:
2016	$15,664,975.00

PURCHASE JUSTIFICATION:

Description of Product/Service Modification Requested and Process Explanation:
The SIGMA system is scheduled to go live in fall of 2016. Many agencies will require interfaces to and from the system to complete required business processes. The SIGMA team has formulated a list of interfaces as potentially required to continue business operations. Current contracts associated with these systems have been added to the list, along with vendor data for efficiency in identifying required contract amendments.

This list was provided to the agency Business Relationship Managers (BRM), Agency Services (AS) representatives, procurement offices, and others responsible for agency systems, with a request to provide estimated hours and costs anticipated for these interfaces. Agency representatives were also asked to respond if staff augmentation resources would be required outside of existing contracts to complete the needed interfaces. This request represents the consolidation of the 63 responses received to this inquiry, $6,664,975.00, along with an addition of $9,000,000 to address projected staff augmentation needs ($8,820,970.00 has been requested already).

The attached workbook contains a spreadsheet with estimates for required changes and requested funds for the targeted interfaces, along with associated Contract numbers, vendors and descriptions of anticipated change notices to be processed to complete this work effort. The sheet identifies the details provided for interfaces by agencies in response to the inquiry.

Purpose/Business Case of Amendment or Extension, and Expected Outcomes:
The SIGMA system will impact all areas of State business operations, from payroll and purchasing, to payment of suppliers, disbursement of grant funding and processing of unemployment, financial aid and child support. The system must interface with each of the applications managing these process areas, as well as those utilized for payment processing and revenue generating applications, such as the MDOS driver's license system and the DNR Campground Reservation System (CRS).

To successfully implement the required functionality and realize projected efficiencies of SIGMA, the interfaces must be in established, tested and fully implemented. The State does not have resources with the necessary technical ability and bandwidth to accomplish the transition independently. Thus contract change notices will be processed for those interfaces which can be managed through existing contracts and staff augmentation resources will be obtained through bids completed under the pre-qualification program.

Risk Assessment:
This amendment is necessary for the imminent protection of public health or safety because failure to complete necessary interfaces will result in the inability to make payments and disburse benefits to Michigan citizens. Further this system

PRICE CLAUSE FROM CONTRACT: _____

CS-138 # PROVIDED FOR SERVICES: Various

COST REDUCTION/SAVINGS CONSIDERATIONS: _____

☒ **FOR IT CONTRACTS ONLY - Check box if adding more than $500,000.00 for software development, computer hardware acquisition or quality assurance.**

RECOVERY ACT FUNDS:

Percent of Total	%	**Amount**	$

AGENCY APPROVALS

	Return Information:
Authorized Agency Representative (printed)	Contact Name: ID Mail: Phone No.: e-Mail:
Authorized Agency Representative Signature	

PURCHASING APPROVALS

Simon Baldwin
Buyer

William Pemble
IT Division Director

Sharon Walenga-Maynard
Sourcing Director
DTMB-Procurement

Project SIGMA Estimate - Staff Augmentation

Staff Required: By FTE

Row	ROLE	SYSTEM NAME	INTERFACE OR CONVERSION	RESOURCE NAME OR VACANT	FUNDED Y OR N	Contract	PO	EST ONBOARD DATE	EST EXIT DATE	M 15	J 15	J 15	A 15	S 15	O 15	N 15	D 15	J 16	F 16	M 16	A 16	M 16	J 16	J 16	A 16	S 16	O 16	N 16
1	Project/Tech	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N			Aug 15	Dec 16					1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	Project/Tech	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N			Aug 15	Dec 16					1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	Business Ana	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Eddie Jones	N	IBM	0718820001	May 15	Dec 16	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	Business Ana	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N	Cirrusport	0844413051	Aug 15	Dec 16				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Business Ana	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N	Cirrusport	0844413051	Aug 15	Jun 16					0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
6	Business Ana	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N	Cirrusport		Aug 15	Aug 15	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
7	Business Ana	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N	Cirrusport	0844413051	Sep 15	Dec 16						1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
8	Programmer	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N	IBM	0718820001	Aug 15	Dec 16				0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
9	Programmer	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N	IBM	0718820001	Aug 15	Aug 16					0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
10	Programmer	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N	IBM	0718820001	Aug 15	Jun 16				0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
11	Programmer	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N	IBM	0718820001	Sep 15	Jul 16				0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
12	Programmer	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N	IBM	0718820001	Sep 15	Dec 16					0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
13	Project Over	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Louis Pereira	N	Deloitte		Sep 15	Dec 16					0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
14	Systems Ana	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Ahmed Haboob	N	Deloitte		Sep 15	Dec 16					1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
15	Programmer	TREA - IFS-OB II Agency Support for SIGMA Project	Interface	Vacant	N	Deloitte		Sep 15	Dec 16					1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

16	Programmer	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	Deloitte		Sep-15	Aug-16					1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
17	Programmer	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	Deloitte		Sep-15	Aug-16						1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
18	Programmer	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	Deloitte		Sep-15	Aug-16								1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
										2	2	2	5	12	15	18	16	16	16	16	16	16	15	13	9	9	9	9	215

TREASURY Staff Req

Row	ROLE	SYSTEM NAME	INTERFACE OR CONVERSION	RESOURCE NAME OR VACANT	FULFILLED BY N	Contract	PO	EST ONBOARD DATE	EST END DATE	M 15	J 15	J 15	A 15	S 15	O 15	N 15	D 15	J 16	F 16	M 16	A 16	M 16	J 16	J 16	A 16	S 16	O 16	N 16
1	Project/Tech	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	Deloitte	0844M325194	Aug-15	Nov-16	0	0	0	0	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
2	Project/Sche	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	Deloitte	0844M325194	Aug-15	Nov-16	0	0	0	0	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
3	Business Ana	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Eddie Jones	N	IBM	0718B3001J4	May-15	Nov-16	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
4	Business Ana	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	Deloitte	0844M325194	Aug-15	Nov-16	0	0	0	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
5	Business Ana	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	Deloitte	0844M325194	Aug-15	Nov-16	0	0	0	0	80	160	160	160	160	160	160	160	160	0	0	0	0	0	0
6	Business Ana	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	Deloitte		Aug-15	Aug-15	160	160	160	160	160	160	160	0	0	0	0	0	0	0	0	0	0	0	0
7	Business Ana	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	Deloitte	0844M325194	Sep-15	Jun-16	0	0	0	0	0	160	160	160	160	160	160	160	160	160	160	160	160	160	160
8	Programmer	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	IBM	0718B3001J4	Aug-15	Nov-16	0	0	0	80	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
9	Programmer	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	IBM	0718B3001J4	Aug-15	Nov-16	0	0	0	0	0	80	160	160	160	160	160	160	160	160	0	0	0	0	0
10	Programmer	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	IBM	0718B3001J4	Aug-15	Sep-16	0	0	0	80	160	160	160	160	160	160	160	160	160	0	0	0	0	0	0
11	Programmer	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	IBM	0718B3001J4	Sep-15	Jul-16	0	0	0	80	160	160	160	160	160	160	160	160	160	0	0	0	0	0	0
12	Programmer	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	IBM	0718B3001J4	Sep-15	Jun-16	0	0	0	0	0	80	160	160	160	160	160	160	160	160	160	160	160	160	160
13	Project Over	TREA - (FS-OB II) Agency Support for SAGAAA Project	Interface	Vacant	N	Deloitte		Sep-15	Nov-16	0	0	0	0	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40

14	Systems Ana	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte		Sep-15	Nov-16	0	0	0	0	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
15	Programmer	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte		Sep-15	Nov-16	0	0	0	0	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
16	Programmer	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte		Sep-15	Aug-16	0	0	0	0	160	160	160	160	160	160	160	160	160	160	160	160	160	0	0	0	0
17	Programmer	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte		Sep-15	Aug-16	0	0	0	0	0	160	160	160	160	160	160	160	160	160	160	160	160	0	0	0	0
18	Programmer	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte		Sep-15	Aug-16	0	0	0	0	0	0	0	160	160	160	160	160	160	160	160	160	160	0	0	0	0
										320	320	320	720	1880	2440	2600	2600	2600	2600	2600	2600	2600	2600	2120	2120	1480	1480	1480	1480
																														34,560

Assumption 1 - Estimate assumes that a funding decision for DTMB Treasury to move forward is made by August 1, 2015.

Assumption 2 - The original assumption of funding approval being approved by 6/1/15 was missed so this plan reflects a delay of 2 months from our original start date.

Assumption 3 - Once funding is approved a new schedule will need to be developed based on SIGAAA implementation date and hours needed to

Assumption 4 - Estimate does not include the DTMB staff being allocated to this project.

Assumption 5 - Estimate does not include time for Treasury Support staff but assumes they will be available throughout the course of the project.

Assumption 6 - The SAP estimate and contract have not been approved. This is only an estimate from Deloitte.

Assumption 7 - Resource on Row 2 (Eddie Jones) is already on board and is being charged under the current PO.

Assumption 8 - SAP hourly rate is $275 per hour and mainframe contract rate is $150 per hour. These hourly rates are only being used for estimating purposes.

Assumption 9 - There is $100,000 estimated for each of the vendor supported software packages used by Treasury. This totals to $700,000 and is only used for estimating purposes.

Assumption 10 - The total of xxxx is only intended to outline staff augmentation costs and not for the total cost of the project for Treasury.

TREASURY Staff Req

Row	ROLE	SYSTEM NAME	INTERFACE OR CONVERSION	RESOURCE NAME OR VACANT	FUNDED Y OR N	Contract	PO	EST CANCELED DATE	EST END DATE	M 15	J 15	J 15	A 15	S 15	O 15	N 15	D 15	J 16	F 16	M 16	A 16	M 16	J 16	J 16	A 16	S 16	O 16	N 16
1	Project/Tech	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte	084N4 30519	Aug 15	Nov 16	$0.00	$0.00	$0.00	$0.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00
2	Project/Tech	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte	084N4 30519	Aug 15	Nov 16	$0.00	$0.00	$0.00	$0.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00
3	Business Ana	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Eddie Jones	N	IBM	071B83029 3	May 15	Nov 16	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00
4	Business Ana	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte	084N4 30519	Aug 15	Nov 16	$0.00	$0.00	$0.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00
5	Business Ana	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte	084N4 30519	Aug 15	Nov 16	$0.00	$0.00	$0.00	$0.00	$12,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
6	Business Ana	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte		Aug 15	Aug 15	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
7	Business Ana	TREA - (FS-OB 3) Agency Support for SIGAAA Project	Interface	Vacant	N	Deloitte	084N4 30519	Sep 15	Nov 16	$0.00	$0.00	$0.00	$0.00	$0.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00

8	Programmer	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	IBM	0718820013	Aug 15	Nov 16	$0.00	$0.00	$0.00	$12,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00
9	Programmer	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	IBM	0718820013	Aug 15	Nov 16	$0.00	$0.00	$0.00	$0.00	$0.00	$12,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$0.00	$0.00	$0.00	$0.00
10	Programmer	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	IBM	0718820013	Aug 15	Sep 16	$0.00	$0.00	$0.00	$12,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
11	Programmer	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	IBM	0718820013	Sep 15	Jul 16	$0.00	$0.00	$0.00	$12,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
12	Programmer	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	IBM	0718820013	Sep 15	Jun 16	$0.00	$0.00	$0.00	$0.00	$0.00	$12,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00	$34,000.00
13	Project Over	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	Deloitte		Sep 15	Nov 16	$0.00	$0.00	$0.00	$0.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00	$11,000.00
14	Systems Ana	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	Deloitte		Sep 15	Nov 16	$0.00	$0.00	$0.00	$0.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00
15	Programmer	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	Deloitte		Sep 15	Nov 16	$0.00	$0.00	$0.00	$0.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00
16	Programmer	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	Deloitte		Sep 15	Aug 16	$0.00	$0.00	$0.00	$0.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$0.00	$0.00	$0.00	$0.00
17	Programmer	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	Deloitte		Sep 15	Aug 16	$0.00	$0.00	$0.00	$0.00	$0.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$0.00	$0.00	$0.00	$0.00
18	Programmer	TREA - (FS-OB & Agency Support for SIGMA Project	Interface	Vacant	N	Deloitte		Sep 15	Aug 16	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$44,000.00	$0.00	$0.00	$0.00	$0.00	$0.00
										$48,000.00	$48,000.00	$48,000.00	$108,000.00	$347,000.00	$451,000.00	$475,000.00	$495,000.00	$495,000.00	$495,000.00	$495,000.00	$495,000.00	$495,000.00	$423,000.00	$423,000.00	$267,000.00	$267,000.00	$267,000.00	$267,000.00	$267,000.00
																	$800,000.00												
																												Grand Total	$7,209,000.00

Vendor Purchase Orders — See List Below — Each Vendor was originally estimated at $100,000

Other Vendors that a PO may need to be obtained

• Cost of V	Vendor	Division
	Siebel Accenture	Multi
	CSS (I IBM	Multi
	MASSC NetNet	Scholarships and Grants
	Uncles Xerox	Unclaimed Property
	Prime Intuition	MET
	Jaguar	Financial Services
	Cash F FiServ	Accounting Services
	QED-C QED Finan	Investments

DTMB Staff Required: By Hours

Row	ROLE	SYSTEM NAME	INTERFACE OR CONVERSION	RESOURCE NAME OR VACANT	FUNDED BY GRN	Contract	FO	EST. ONBOARD DATE	EST EXIT DATE	M 15	J 15	J 15	A 15	S 15	O 15	N 15	D 15	J 16	F 16	M 16	A 16	M 16	J 16	J 16	A 16	S 16	O 16	N 16
1	Developer		Interface		N			Sep 15	Sep 16	0	0	0	0	923	990	990	990	990	990	990	990	990	990	990	990	990		
																												12,870

Assumption 1 -Developer hourly rate is $65.00 per hour

DTMB Staff Required: By Dollars

Row	ROLE	SYSTEM NAME	INTERFACE OR CONVERSION	RESOURCE NAME OR VACANT	FUNDED BY GRN	Contract	FO	EST. ONBOARD DATE	EST EXIT DATE	M 15	J 15	J 15	A 15	S 15	O 15	N 15	D 15	J 16	F 16	M 16	A 16	M 16	J 16	J 16	A 16	S 16	O 16	N 16
1	Developer		Interface		N			Sep 15	Sep 16	-	-	-	-	$60,000.00	$64,350.00	$64,350.00	$64,350.00	$64,350.00	$64,350.00	$64,350.00	$64,350.00	$64,350.00	$64,350.00	$64,350.00	$64,350.00	$64,350.00	$0.00	$0.00
																												$832,200.00

MDOS Staff Required: By Hours

Row	ROLE	SYSTEM NAME	INTERFACE OR CONVERSION	RESOURCE NAME OR VACANT	FUNDED? Y OR N	Contract	FO	EST. ONBOARD DATE	EST. EXIT DATE	Initiation and Planning	Req. Def	Functional Design	System Design	Construction	Testing	Implementation	Close Out	Documentation	Support Transition
1	Architect 1 (DTMB)		Interface		N					16	80	80	80	40	24	8	32	80	32
2	Business Analyst 1 (DTMB)		Interface		N					50	100	100	100	16	16	16	16	80	16
3	Mainframe DBA (DTMB)		Interface		N					8	24	40	40	40	40	40	16	80	16
4	Lead Tester 1 (NET Mainfr		Interface		N					8	16	16	16	0	800	0	0	80	0
5	Lead Tester 2 (NET Contra		Interface		N					50	80	80	40	0	400	0	0	80	100
6	Senior (NET Developer Co		Interface		N					32	8	40	40	1000	800	32	40	80	120
7	Mainframe developers (2 N		Interface		N					40	40	40	40	1100	500	40	40	80	80
																			7864

MDOS Staff Required: By Dollars

Row	ROLE	SYSTEM NAME	INTERFACE OR CONVERSION	RESOURCE NAME OR VACANT	FUNDED? Y OR N	Contract	FO	EST. ONBOARD DATE	EST. EXIT DATE	Initiation and Planning	Req. Def	Functional Design	System Design	Construction	Testing	Implementation	Close Out	Documentation	Support Transition
1	Architect 1 (DTMB)		Interface		N					$2,400.00	$12,000.00	$12,000.00	$12,000.00	$6,000.00	$3,600.00	$1,200.00	$4,800.00	$12,000.00	$4,800.00
2	Business Analyst 1 (DTMB)		Interface		N					$7,000.00	$42,000.00	$42,000.00	$42,000.00	$2,340.00	$2,340.00	$2,340.00	$2,340.00	$11,200.00	$2,340.00
3	Mainframe DBA (DTMB)		Interface		N					$720.00	$2,160.00	$3,600.00	$3,600.00	$3,600.00	$3,600.00	$3,600.00	$1,440.00	$7,200.00	$1,440.00
4	Lead Tester 1 (NET Mainfr		Interface		N					$400.00	$1,200.00	$1,200.00	$1,200.00	$0.00	$40,000.00	$0.00	$0.00	$4,000.00	$0.00
5	Lead Tester 2 (NET Contra		Interface		N					$3,750.00	$6,000.00	$6,000.00	$3,000.00	$0.00	$30,000.00	$0.00	$0.00	$4,000.00	$7,500.00
6	Senior (NET Developer Co		Interface		N					$3,360.00	$840.00	$4,200.00	$4,200.00	$105,000.00	$84,000.00	$3,360.00	$4,200.00	$8,400.00	$12,600.00
7	Mainframe developers (2 N		Interface		N					$3,200.00	$3,200.00	$3,200.00	$3,200.00	$88,000.00	$40,000.00	$3,200.00	$3,200.00	$6,400.00	$6,400.00
																			$779,770.00

Assumption 1 - estimate is based on securing all of the DTMB or contractual resources below and also assumes they will be 100% allocated to the project.

1 Architect (for any encryption or PCI issues plus how to exchange data from mainframe to .NET.

PM

BA (Chuck R and/or Ray)

Mainframe DBA - use existing mainframe DBA.

2 lead testers (mainframe and .NET). We'd also rely on Finance staff to assist with this.

1 senior .NET developer

2 Mainframe developers (Will Wagner and Charles VanArk)

Assumption 2 - estimate does not include time for MDOS, server team, FTS or other infrastructure staff but assumes they will be available throughout the course of the project.

Assumption 3 - estimate is based on having completed requirements as soon as possible.

Assumption 4 -estimate is assuming the hired staff aug. contractors have the appropriate skill set and are secured in a timely manner.

Assumption 5 - a data conversion would be necessary and is critical to the success of the project.

Assumption 6 - Reporting is considered in this estimate.

Total Staff Augmentation Required	**$8,820,970.00**
Original Requested Amount	**$5,000,000.00**
Additional Staff Augmentation Requested	**$4,000,000.00**
New Staff Augmentation Total	**$9,000,000.00**

Responsive Estimate

Interface Name	Agency Short Name	Contractor Name	Contract Start and End Date	City and State	Contract Value	PO#/Contact #	Estimated $ Increase	New Contract Value
Community Health Vendor Paymer	DCH	HTC	01/14/2013-01/13/2016	Troy, MI	$225,000.00	071B3200066	$162,500.00	$387,500.00
Community Health WIC Payments	DCH	3Sigma	02/04/2014-02/04/2019	Lorton, VA	$12,498,800.00	071B4300056	$20,000.00	$12,518,800.00
Community Health Cash Receipts a	DCH	Kunz, Leigh and Associates	01/01/2014-12/31/2019	Lathrup Village, MI	$3,152,233.37	071B4300022	$378,000.00	$3,530,233.37
Community Health Adult Services F	DCH	HTC	1/14/2013-01/13/2016	Troy, MI	$225,000.00	071B3200066	$545,000.00	$770,000.00
Human Services State Disability As	DHS	Deloitte & Touche	04/07/2011-02/10/2016	Camp Hill, PA	$94,824,532.00	071B1300256	$1,346,400.00	$96,170,932.00
CENTRAL RESERVATION SYSTE	DNR	CAMIS USA INC	08/21/2012-08/20/2017	Guelph, ON, CAN	$11,149,497.08	071B2200297	$61,000.00	$11,210,497.08
MDNR RETAIL SALES SYSTEM	DNR	HP Enterprise Services, LLC	12/07/2010 - 5/31/20	Plano, TX	$37,161,915.00	071B1300157	$138,375.00	$37,300,290.00
DTMB Agency Billing for Mail Servi	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$31,360.00	$2,784,235.00
DTMB Agency Billing for Reproduc	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$20,160.00	$2,773,035.00
DTMB Data Exchange Gateway Bi	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$4,640.00	$2,757,515.00
DTMB LMAN Billing from DTMB Int	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$4,640.00	$2,757,515.00
DTMB Operator Charges Billing fro	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$4,640.00	$2,757,515.00
DTMB RDBC Billing from DTMB In	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$4,640.00	$2,757,515.00
DTMB Server/SAN Billing from DT	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$11,200.00	$2,764,075.00
DTMB Telecom Billing from DTMB	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$168,000.00	$2,920,875.00
DTMB Unisys Billing from DTMB In	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$4,640.00	$2,757,515.00
DTMB Single Sign-On billing from D	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$4,640.00	$2,757,515.00
DTMB Citrix Billing from DTMB Inte	DTMB	Matsch	03/07/2012-03/06/2016	Grand Rapids, MI	$2,752,875.00	071B2200137	$4,640.00	$2,757,515.00
LARA Payments for Blind Services	LARA	Libera	04/10/2009-04/09/2016	Berkeley Heights, NJ	$440,000,000.00	071B9200192	$34,875.00	$440,034,875.00
LARA Cash Receipts from LARA C	LARA	David Dreyer	12/21/2010-12/20/2015	Northville, MI	$212,500.00	071B1300125	$125,000.00	$337,500.00
LARA Worker Compensation Bene	LARA	David Dreyer	12/21/2010-12/20/2015	Northville, MI	$212,500.00	071B1300125	$125,000.00	$337,500.00
LARA Online Licensing - Liquor Lic	LARA	DTMB					$68,750.00	$68,750.00
LARA Online Licensing - Commerc	LARA	DTMB					$68,750.00	$68,750.00
LARA Online Licensing - MIOSHA,	LARA	DTMB					$68,750.00	$68,750.00
LARA Online Licensing Type4? BC	LARA	DTMB					$68,750.00	$68,750.00
Education Vendor Payments from E	MDE	Agate Software Inc.	10/01/2010-09/30/2015	Okemons, MI	$8,768,022.50	071B1300072	$4,000.00	$8,772,022.50
Secretary of State Cashiering Rece	MDOS/SOS	Kunz & Leigh	01/01/2014-12/31/2019	Lathrup Village, MI	$3,152,233.37	071B4300022	$462,000.00	$3,614,233.37
Secretary of State International Reg	MDOS/SOS	Explore	09/12/2008-09/11/2017	Eagan, MN	$3,520,290.00	071B8200296	$20,000.00	$3,540,290.00
Economic Development Vendor Pa	MEDC	Agate Software	10/01/2010-09/30/2015	Okemons, MI	$8,768,022.50	071B1300072	$16,250.00	$8,784,272.50
Economic Development Vendor Re	MEDC	Agate Software	10/01/2010-09/30/2015	Okemons, MI	$8,768,022.50	071B1300072	$16,375.00	$8,784,397.50
Colleges and Universities Campus-	Treasury	Nelnet	06/23/2014-06/22/2019	Lincoln, NE	$3,684,099.00	071B4300128	$50,000.00	$3,734,099.00
Treasury Escheated Warrant Data	Treasury	Wagers (Xerox)	10/01/2010-09/30/2015	Quincy, MA	$560,589.00	071B1300094	$50,000.00	$610,589.00
Treasury Michigan Education Trust	Treasury	Initution	10/22/2014-01/31/2016	Jacksonville, FL	$323,085.98	071B5500031	$50,000.00	$373,085.98
TRB Investment's Group of Accoun	Treasury	QED	09/18/2011-09/17/2015	Marlton, NJ	$1,630,872.10	071B1300386	$150,000.00	$1,780,872.10
(NEW) Treasury (SAP) Interface fo	Treasury	Deloitte/SAP					$506,000.00	$506,000.00
(NEW) Treasury (SAP) Interface fo	Treasury	Deloitte/SAP					$506,000.00	$506,000.00
Treasury International Motor Fuel F	Treasury	AudaExplore (Explore)					$50,000.00	$50,000.00
Treasury Redeemed Warrants from	Treasury	Jaguar		Toledo, OH		084W5500934	$50,000.00	$50,000.00
Treasury Canceled Warrants from T	Treasury	Jaguar		Toledo, OH		084W5500934	$50,000.00	$50,000.00
Treasury Business Tax Reclassifica	Treasury	Deloitte/SAP					$550,000.00	$550,000.00
EFT Payments and Prenotes (Chec	Treasury	Comerica					$25,000.00	$25,000.00

EFT Prenotes from SIGMA to Com	Treasury	Comerica					$25,000.00	$25,000.00
EFT Reversal and Reclamation Re	Treasury	Comerica					$25,000.00	$25,000.00
EFT Prenote Responses from Com	Treasury	Comerica					$25,000.00	$25,000.00
EFT Prenote Responses (Check W	Treasury	Comerica					$25,000.00	$25,000.00
Confirmation File for EFT Payment	Treasury	Comerica					$25,000.00	$25,000.00
Confirmation File for EFT Payment	Treasury	Comerica					$25,000.00	$25,000.00
Confirmation File for EFT Prenotes	Treasury	Comerica					$25,000.00	$25,000.00
Warrants issued during Batch Cycle	Treasury	Chase Bank					$25,000.00	$25,000.00
Warrants issued during the Day fro	Treasury	Chase Bank					$25,000.00	$25,000.00
Escheated Warrant Data from SIGM	Treasury	Chase Bank					$25,000.00	$25,000.00
Cancelled Warrant Data from SIGM	Treasury	Chase Bank					$25,000.00	$25,000.00
Stop Warrant Requests from SIGM	Treasury	Chase Bank					$25,000.00	$25,000.00
Stop Warrant Release Requests fro	Treasury	Chase Bank					$25,000.00	$25,000.00
Warrants issued during Batch Cycle	Treasury						$25,000.00	$25,000.00
Warrants issued during the Day fro	Treasury						$25,000.00	$25,000.00
TREAS-CASH RECONCILIATION	Treasury	Frontier (Checkfree)		Chicago, IL		084W4302253	$50,000.00	$50,000.00
TREAS. CONFIRMATION 271	Treasury	Comerica					$25,000.00	$25,000.00
PFOS EFT Rejects for Retirement	Treasury	Comerica					$25,000.00	$25,000.00
PFOS EFT Returns and NOC for R	Treasury	Comerica					$25,000.00	$25,000.00
MiCARS (ARS) recievables, cash r	MSP	Kunz Leigh & Associates	01/01/2014-12/31/2019	Lathrup Village, MI	$3,152,233.37	071B4300022	$44,000.00	$3,196,233.37
MiWaters MiCARS interface	DEQ	Windsor Solutions	05/08/2013-05/08/2018	Portland, OR	$4,884,335.00	071B3200093	$21,000.00	$4,905,335.00
MiWaters MiCARS interface	DEQ	Kunz Leigh & Associates	01/01/2014-12/31/2019	Lathrup Village, MI	$3,152,233.37	071B4300022	$70,000.00	$3,222,233.37
					$669,118,839.40		$6,664,975.00	$675,783,814.40
Original Request							11,045,725.00	
Additional CN Total							619,250.00	
Additional Staff Aug Total							4,000,000.00	
AdBd Request							$15,664,975.00	