

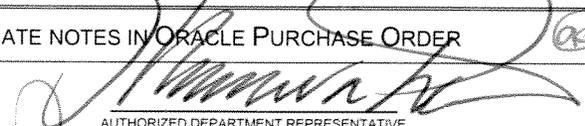
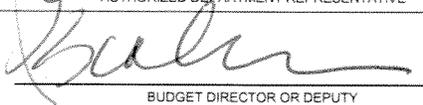
# PROFESSIONAL SERVICE CONTRACT TRANSMITTAL RECORD

STANDARD PO NUMBER: 2891324  
CONTRACT PO NUMBER: 2891323

**Insurance Requirement**

ACCOUNTS PAYABLE WILL HOLD UP ALL CONTRACT PAYMENTS UNTIL ALL INSURANCE CERTIFICATES/POLICIES REQUIRED UNDER THE CONTRACT HAVE BEEN RECEIVED. CONTRACTORS SHOULD BE MADE AWARE OF THIS REQUIREMENT.  
8193

TYPE OF CONTRACT: (Check One) <input type="checkbox"/> CONSTRUCTION/DEMOLITION <input type="checkbox"/> LEASE <input type="checkbox"/> DEED <input checked="" type="checkbox"/> PROFESSIONAL SERVICES	DEPARTMENT HEAD'S SIGNATURE  <b>RON BRUNDIDGE</b> DIRECTOR	DEPARTMENT <b>DPW/CITY ENGINEERING DIV</b>	REVISION REVISION																																																								
FUNDING SOURCE (Percent) FEDERAL: <b>49.38%</b> STATE: <b>17.79%</b> CITY: <b>23.47%</b> OTHER: <b>9.36%</b> <small style="text-align: center;">STREET FUND</small>	DEPARTMENT CONTACT PERSON <b>ADRIENNE SMITH</b>	PHONE NO. <b>224-3950</b>	REVISION																																																								
CONTRACTOR'S NAME: <b>PARSONS BRINCKERHOFF MICHIGAN, INC.</b>		DATE PREPARED <b>7/29/14</b>																																																									
CONTRACTOR'S ADDRESS: <b>500 GRISWOLD ST., SUITE 2900 DETROIT, MICHIGAN 48226-5001</b>		AMOUNT <input checked="" type="checkbox"/> CONTRACT <input type="checkbox"/> CHANGE <b>\$2,158,222.34</b>																																																									
PHONE NO. <b>313-963-5760</b> , <b>FAX – 313-963-6910</b>		<input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> INDIVIDUAL																																																									
FEDERAL EMPLOYER/SOCIAL SECURITY NUMBER: <b>13-2963517</b>		MINORITY FIRM <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																																																									
PURPOSE OF CONTRACT: <b>PROFESSIONAL SERVICES CONTRACT TO PROVIDE CONSTRUCTION ENGINEERING &amp; INSPECTION SERVICES (CE&amp;I) FOR 14 MDOT PROJECTS</b>																																																											
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TIME & DATE IN	APPROVER MUST ALSO MAKE APPROPRIATE NOTES IN ORACLE PURCHASE ORDER	TIME & DATE IN
	REQUESTING DEPARTMENT  AUTHORIZED DEPARTMENT REPRESENTATIVE	8/17/14 8/4/14
AUG 07 2014	BUDGET <input checked="" type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> RECOMMEND DENIAL  BUDGET DIRECTOR OR DEPUTY	AUG 11 09 2014
	GRANT MANAGEMENT SECTION <input type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> RECOMMEND DENIAL _____ GRANT ACCOUNTANT	
AUG 20 2014	FINANCE DEPARTMENT <input checked="" type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> RECOMMEND DENIAL  FINANCE DIRECTOR OR DEPUTY	8/20/14
	LAW DEPARTMENT <input checked="" type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> RECOMMEND DENIAL _____ CORPORATION COUNSEL	9/2/14
	PURCHASING DIVISION AUG 20 2014 _____ CITY PROCUREMENT OFFICER	
	CITY COUNCIL APPROVAL JCC REFERENCE: PAGE _____ DATE _____ 	

**Detroit City Council**  
**Legislative Policy Division**

TO: Purchasing Division Staff  
FROM: David Teeter  
DATE: September 24, 2014

RE: **PURCHASING ITEMS APPROVED BY THE CITY COUNCIL**

**There were no contracts approved on September 16, 2014, that were Reconsidered**

*The following contracts and purchase orders were reported to the City Council, by the Standing Committee, at the Regular Session of September 23, 2014 and **APPROVED.***

**Reported by the Budget, Finance and Audit Committee:**

No Contracts Reported and Approved

**Reported by the Internal Operations Committee:**

2867153	Genuine Parts Co. (NAPA) + \$2,600,000 to \$13,388,848	GENERAL SERVICE
	[Extension thru Feb. 28, 2015] Submitted in the List and Referred Sept. 2, 2014.	
2896489	Jorgensen Ford [8-1-14 thru 7-31-17] \$836,494.44	GENERAL SERVICE
	Submitted in the List and Referred Sept. 9, 2014.	
2897449	Gorno Ford [20 trucks w/snow blades] \$893,100	GENERAL SERVICE
	Submitted in the List and Referred September 9, 2014.	
2821494,Ext. to 9-30-14	Futurenet Group \$14,071,350 – no change	INFORM.TECH.SER.
	Submitted in the List and Referred September 9, 2014.	
2821496,Ext. to 9-30-14	Computech Group \$7,223,000 – no change	INFORM.TECH.SER.
	Submitted in the List and Referred September 9, 2014.	
2821501,Ext. to 9-30-14	CW Professionals \$8,200,000 – no change	INFORM.TECH.SER.
	Submitted in the List and Referred September 9, 2014.	
2821499,Ext. to 9-30-14	Data Consulting \$11,386,000 – no change	INFORM.TECH.SER.
	Submitted in the List and Referred September 16, 2014.	
2821497,Ext. to 9-30-14	PIE Management \$5,000,000 – no change	INFORM.TECH.SER.
	Submitted in the List and Referred September 16, 2014.	

Purchasing Division  
Contracts and Purchase Orders Received, Considered at Regular Session  
of September 23, 2014

Page 2

*The following contracts and purchase orders were reported to the City Council, by the Standing Committee, at the Regular Session of September 23, 2014 and **APPROVED**.*

**Reported by the Neighborhood and Community Services Committee:**

No Contracts Reported and Approved

**Reported by the Planning and Economic Development Committee:**

2895160	Community & Home Supports	\$200,000	PLAN. & DEVELOPT.
Submitted in the List and Referred September 9, 2014; Approved with <b><u>WAIVER</u></b> .			
2882841	Living Arts	\$60,000	PLAN & DEVELOPT.
Submitted in the List and Referred September 16, 2014; Approved with <b><u>WAIVER</u></b> .			

**Reported by the Public Health and Safety Committee:**

2848560, Renewal	AON Risk Services	\$88,426	MUNICIPAL PARKING
Submitted in the List and Referred September 2, 2014.			
2891323	Parsons Brinckerhoff Michigan	\$2,158,222.34	PUBLIC WORKS
Submitted in the List and Referred Sept. 16, 2014; Moved to New Business; Approved with <b><u>WAIVER</u></b> .			

*The following contract was submitted to the City Council and referred to the Standing Committee; At a meeting of the Committee was **WITHDRAWN**.*

**Referred to the Public Health and Safety Committee**

2889954	Michigan Police Equipment	\$358,900	POLICE
Submitted in the List and Referred September 9, 2014; <u>Withdrawn at meeting of Sept. 22, 2014</u> . Initially submitted in the List and Referred June 24, 2014; Approved by City Council July 15, 2014.			

Purchasing Division  
Contracts and Purchase Orders Received, Considered at Regular Session  
of September 23, 2014

Page 3

*The following contracts and purchase orders were reported to the City Council, at the Regular Session of September 2, 2014 by the Emergency Manager as **APPROVED**.*

No Contracts Reported separately by Emergency Manager as Approved

*The following contracts were **REFERRED** on September 23, 2014 to the indicated Standing Committee for consideration and report to the City Council.*

**Referred to Budget, Finance and Audit Committee**

2895777	Randy Lane	FINANCE
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**Referred to Internal Operations Committee**

2821499,Ext.	Data Consulting Group	INFORM.TECH.SERVICES
2821497,Ext.	PIE Management	INFORM.TECH.SERVICES
2819571,Ext.	Brilar	GENERAL SERVICES

*Correction to Funding source; Moved to New Business and approved.*

**Referred to Neighborhood and Community Services Committee**

No Contracts Referred

**Referred to Planning and Economic Development Committee**

2882841	Living Arts	PLAN. & DEVELOPMT.
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**Referred to Public Health and Safety Committee**

2891323	Parsons Brinckerhoff	PUBLIC WORKS
2809078,Increase	New Flyer Indus.	TRANSPORTATION
2896295	SEON Systems	TRANSPORTATION

Purchasing Division  
Contracts and Purchase Orders Received, Considered at Regular Session  
of September 16, 2014

Page 4

*The following items have been HELD for review, discussion or report to the Standing Committee.*

2895777	Randy Lane	\$170,000	FINANCE
Submitted in the List and Referred September 16, 2014;			

**Held in the Internal Operations Committee**

2897014,Emg.Prcmt.	J-Mac Tree and Debris	\$400,000	GENERAL SERVICE
Submitted in the List and Referred September 9, 2014; Union issues and concerns.			

2897312,Emg.Prcmt.	Tree Man Services	\$400,000	GENERAL SERVICE
Submitted in the List and Referred September 9, 2014; Union issues and concerns.			

2897313,Emg.Prcmt.	All Metro Tree Services	\$400,000	GENERAL SERVICE
Submitted in the List and Referred September 9, 2014; Union issues and concerns.			

DEPARTMENT DPW-City Engineering

WAIVER: YES  NO

CONTRACT NO. CPO #2891323  
SPO #2891324

AGENDA DATE: \_\_\_\_\_

## CONTRACT SYNOPSIS

CONTRACTOR'S NAME: Parsons Brinckerhoff Michigan, Inc.

ADDRESS: 500 Griswold, Suite 2900  
Detroit, Michigan 48226-5001

WHAT FORM OF COMPETITION DID THE DEPARTMENT ENGAGE IN TO OBTAIN THIS PROFESSIONAL SERVICE CONTRACT?: Request for Qualifications (RF-Qual) due December 2, 2013  
5 Proposals were received and evaluated using Qualified Base Selection process

If there was no competition obtained, explain why: N/A

PROJECT: Professional Services contract to provide Construction Engineering & Inspection Services (CE&I) for 14 MDOT projects

TYPE OF FUNDING AND %: 49.38% Federal, 17.79% State, 23.47% City-Street Fund, 9.36% Other

CONTRACT AMOUNT: \$2,158,222.34

CONTRACT PERIOD: From date on Notice to Proceed to December 31, 2018 (After MDOT audit and acceptance)

BRIEF DESCRIPTION: Provide CE&I Services for 14 MDOT projects

REASON FOR DELAY: MDOT approval of contract format & information

Clearances attached:	Income Tax Clearance Expires: 8/23/15	Property Tax Clearance Expires: 8/15/14	Human Rights Covenant Signed: 7/18/14
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8/23/15

# City Council Contract Agenda Items Review Checklist

01/11/12

Reviewer:

Date Received:

Date: **August 7, 2014** Department: **DPW** Division: **City Engineering**

Dept Head/Contact Person: **Adrienne D. Smith** Phone No.: **313-224-3950**

Description: **CE&I Services for 14 MDOT Projects** Contract No.: **2891323**

PO Type: Prof Svc - CPO Est. Value: **\$2,158,222.34**

Contract Term (if applicable): **From date on NTP (after CC approval) to (date of Final MDOT acceptance of contract documents) December 31, 2018**

Funding: City **23.47% STREET FUND** State **17.79%** Federal **49.38%** Other: **9.36%**

(Documentation must be furnished by the Dept. if anything other than City funding)

Recommended Supplier: **Parsons Brinckerhoff Michigan, Inc**

Required Date: **9/15/2014**

1. Is the product or service ESSENTIAL to department operations?  Yes  No

If "Yes" please explain why: **The City must be able to inspect the work of Contractors performing ROW construction and improvements for projects bid, awarded and funded by the State.**

Consequence of not buying: **Loss of Gas Tax or Federal funding for ROW projects if not adequately administered & inspected .**

2. Was the product or service competitively bid?  Yes **RFP evaluated using Qualified Base Selection**  
 No (Request copies of bid tabulation/evaluation score sheets as needed)

If the answer to #2 is "NO" explain why there was no competition: \_\_\_\_\_

3. Was a Co-Operative Agreement Considered?  Yes  No Co-Operative Name: **N/A**

If answer to #3 is "No" explain why a Co-Op was not considered: **CE&I for State Bid Project, profit allowance established by State**

4. Were savings achieved?

Yes Amount \$ \_\_\_\_\_  No

Were additional savings requested? (10%)  Yes  No **Profit allowance established by State**

5. Does the supplier currently provide other goods and services to the City?  Yes  No

If yes please list: **Other CE&I projects bid, awarded and funded by the State, contingent Bridge design services contract**

QUALIFICATIONS (SOQ) Review Matrix - 2014  
 CONSTRUCTION ENGINEERING AND INSPECTION SERVICES FOR  
 HIGHWAY, BRIDGE, TRAFFIC SIGNAL AND OTHER MAJOR STREET IMPROVEMENT PROJECTS

Evaluation Criteria	Possible Score	Hattin Construction Management	M & S - The Mannik & Smith Group, Inc	NTH Consultants, Ltd.	PB - Parsons Brinckerhoff	TT - Tetra Tech of Michigan, Inc.
Statement of Avoidance	(Y/N)	N	Y	N	Y	Y
Affirmative Action Program	(Y/N)	N	Y	N	Y	Y
Statement of Non-Collusion	(Y/N)	N	Y	N	Y	Y
Standard Forms SF 330	(Y/N)	N	Y	N	Y	Y
Subconsultants			SOMAT		SOMAT & SSI	TYJT & SOMAT
<b>Weighted Criteria</b>						
Experience with the CED, WCHD, MDOT & FHWA	20		15		18	12
Peer-review policy and practices	10		6		9	7
Technical competence of key personnel	20		13		17	13
Capacity and resources of firm	20		15		19	12
References & pre-qualifications/ certifications	15		12		14	10
Innovations that promote time and cost savings	15		10		12	10
<b>Total Score</b>	<b>100</b>	<b>0</b>	<b>71</b>	<b>0</b>	<b>89</b>	<b>64</b>



<b>PURCHASING DIVISION</b> <b>VENDOR CLEARANCE REQUEST</b>
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Submit to: Revenue Collections  
 Purchasing Vendor  
 1012 Coleman A. Young Municipal Center  
 Detroit, MI 48226  
 (313) 224 - 4087 (Telephone)  
 (313) 224 - 4238 (Fax)

Nature of Contract N/A  
 Contract Amount N/A

Business Type:  Corp     Partnership     Sole Proprietorship     Personal Services

Business Name Parsons Brinckerhoff Michigan, Inc.    Contact: Belinda Beard, 313-202-1163

Business Address 500 Griswold Street, Suite 2900 Detroit, MI 48226    FAX: 313-963-6910

Ward/Item # \_\_\_\_\_ \*Please fax to Belinda

F.I.D. NO. 13-2963517

City Personal Property I.D. # 02992901.31

Owner(s) Name Jones Lang Lasalle

Owner(s) SS# \_\_\_\_\_

Contact Person Karen Smith

Phone Number 313-269-8929

Owner(s) Home Address \_\_\_\_\_  Lease     Own

**Please do not write below this line for department use only.**

Real Property    Special Assessment    Personal Property    Other Receivable

Denied     Denied     Denied  
 Approved     Approved     Approved

**REVENUE COLLECTIONS**  
**APPROVED**  
**CONTRACT CLEARANCES**

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Please mail, fax or drop off this Vendor Request Form to the Revenue Collection Unit at the address indicated above. You will be responsible for keeping the clearance and submitting a photocopy to Purchasing with your bid package.

[Signature]  
 Signature (City of Detroit)

AUG - 6 2014  
 Date

JAN 15 2015  
 Expiration Date

REVISED 7/12/2012  
**COVENANT OF EQUAL OPPORTUNITY**  
**(Application for Clearance – Terms Enforced After Contract is Awarded)**

I, being a duly authorized representative of **Parsons Brinckerhoff Michigan, Inc.** (hereinafter "Contractor"), am hereby authorized to enter into a Covenant of Equal Opportunity, (hereinafter "Covenant") with the City of Detroit, (hereinafter "City"); obligating the Contractor and all sub-contractors, not to discriminate against any employee or applicant for employment, training, education, or apprenticeship connected directly or indirectly with the performance of the contract, with respect to his/her hire, promotion, job assignment, tenure, terms, conditions or privileges of employment because of race, color, religious beliefs, public benefit status, national origin, age, marital status, disability, sex, sexual orientation, or gender identity or expression; except as otherwise exempted under City Code, Ordinance No. 27-2-12.

Contractor will ensure that the City of Detroit Human Rights Department shall receive notification of all potential sub-contractors and a copy of their Covenant prior to the commencement of work on any City of Detroit contract. Contractor further agrees that the City of Detroit reserves the right to require additional information prior to, during and at any time after the Covenant is fully executed.

Furthermore, Contractor agrees that this Covenant is valid for the life of the contract and/or for a specified period of time as indicated below and that a breach of this Covenant shall be deemed a material breach of contract and be subject to damages pursuant to City Code, Ordinance No. 27-3-2, Section (e).

RFQ / PO No. (If applicable) CPO# 2891323 CE&I for 14 MDOT Projects

**Duration of Covenant:** Date on Notice to Proceed (NTP) to December 31, 2018 (MDOT Audit)

Printed Name of Contractor/Organization: Parsons Brinckerhoff Michigan, Inc.  
(Type or Print Legibly)

Contractor Address: 500 Griswold St, Suite 2900 Detroit, MI 48226-5001  
(Address to include City, State, Zip)

Contractor Phone/E-mail: 313-963-2813 tatem@pbworld.com  
(Phone) (E-mail)

Printed Name & Title of Authorized Representative: Edwin Tatem, President

Signature of Authorized Representative: 

Date: 7.18.2014

\*\*\* This document MUST be notarized \*\*\*

Signature of Notary: Beunda F. Beard

Printed Name of Seal of Notary: BEUNDA F. BEARD

My Commission Expires: 09 / 15 / 2015

<b>FOR CONTRACTING DEPARTMENT USE ONLY:</b>		
Date Rec'd: <u>7/21/14</u>	Received By: <u>AD Smith</u>	Title: <u>Admin Asst III</u>

Please fax a COPY of the notarized Covenant and Award Letter to the Human Rights Department 313-224-3434

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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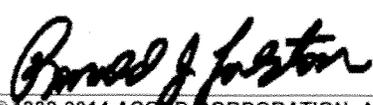
<b>PRODUCER</b> Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	<b>CONTACT NAME:</b> _____ <b>PHONE (A/C, No, Ext):</b> _____ <b>FAX (A/C, No):</b> _____ <b>E-MAIL ADDRESS:</b> _____														
	<table border="1"> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A : Liberty Insurance Corporation</td> <td>42404</td> </tr> <tr> <td>INSURER B :</td> <td></td> </tr> <tr> <td>INSURER C :</td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Liberty Insurance Corporation	42404	INSURER B :		INSURER C :		INSURER D :		INSURER E :		INSURER F :
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<b>INSURED</b> PARSONS BRINCKERHOFF, INC. 1319027 ONE PENN PLAZA NEW YORK NY 10119															

**COVERAGES PARBR02**      **CERTIFICATE NUMBER: 13022853**      **REVISION NUMBER: XXXXXXXX**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> <b>CONTRACTUAL LIAB</b> GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	N	TB7-621-094060-023	10/1/2013	10/1/2014	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 5,000,000 \$
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	Y	N	AS7-621-094060-033	10/1/2013	10/1/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED \$      RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WA7-62D-094060-013 (AOS) WC7-621-094060-043 (WT)	10/1/2013 10/1/2013	10/1/2014 10/1/2014	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 CITY OF DETROIT, THE MICHIGAN STATE TRANSPORTATION COMMISSION, AND THE MICHIGAN DEPARTMENT OF TRANSPORTATION ARE ADDITIONAL INSURED AS RESPECTS GENERAL AND AUTO LIABILITY, AS REQUIRED BY WRITTEN CONTRACT.

<b>CERTIFICATE HOLDER</b>  13022853  AS MATTER OF RECORD	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE  
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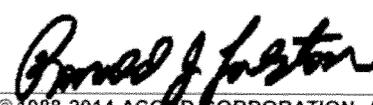
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<b>INSURED</b> 1328100 PARSONS BRINCKERHOFF, INC. ONE PENN PLAZA NEW YORK NY 10119																					

COVERAGES PARBR02 CERTIFICATE NUMBER: 13022854 REVISION NUMBER: XXXXXXXX

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	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	NOT APPLICABLE			<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ XXXXXXXX E.L. DISEASE - EA EMPLOYEE \$ XXXXXXXX E.L. DISEASE - POLICY LIMIT \$ XXXXXXXX
A	PROFESSIONAL LIABILITY	N	N	EOC587103611	11/1/2013	11/1/2014	\$1,000,000 PER CLAIM \$2,000,000 AGGREGATE

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

<b>CERTIFICATE HOLDER</b>  13022854 AS MATTER OF RECORD	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE  
--	--



Name (Last, First, M.I.) \_\_\_\_\_

Social Security Account No. \_\_\_\_\_

Address \_\_\_\_\_

Area Code & Telephone No. \_\_\_\_\_

City, State \_\_\_\_\_

Zip Code \_\_\_\_\_

( )  
Business Telephone No. \_\_\_\_\_

Position Desired \_\_\_\_\_

E-mail Address \_\_\_\_\_

Salary Desired \$ \_\_\_\_\_

Personal Mobile No. \_\_\_\_\_

What prompted your application?

Ad    Knowledge of Company    Agency    PB Employee Referral \_\_\_\_\_  Other \_\_\_\_\_  
Name of Employee

Were you ever employed by this firm?

No    Yes   When \_\_\_\_\_   Location \_\_\_\_\_

**Education**

School	Name and Location	Major Course of Study	Number of Years Attended	Graduated	Degree
High	_____	_____	_____	<input type="checkbox"/> Yes	XXX
	_____			<input type="checkbox"/> No	
College or University	_____	_____	_____	<input type="checkbox"/> Yes	
	_____			<input type="checkbox"/> No	
Graduate	_____	_____	_____	<input type="checkbox"/> Yes	
	_____			<input type="checkbox"/> No	
Other	_____	_____	_____	<input type="checkbox"/> Yes	
	_____			<input type="checkbox"/> No	

Subjects of Specialization which are relevant to position desired

\_\_\_\_\_

List all Professional Societies in which you are a member that are relevant to position desired

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

List all relevant Professional Registrations

\_\_\_\_\_  
\_\_\_\_\_

Previous Employer	Type of Business	
Address	Telephone No.	
Name and Title of Supervisor	( )	Position Held
Dates Employed	Starting Salary:	Final Salary:
From: _____ To: _____		
Reason for Leaving		

Duties and Responsibilities

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**Summarize patents, publications, and other significant work or research you have done which are relevant to position desired**

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**Professional or Business References**

Name	Address/Telephone No.	Occupation
_____	_____	_____
_____	_____	_____
_____	_____	_____

Are you authorized/certified to work in the United States?  Y  N If yes, do you require visa sponsorship?  Y  N If yes, please explain:

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I understand that Parsons Brinckerhoff/Heery reserves the right to verify the information I have provided and that any misrepresentation or omission of facts called for can result in cancellation of consideration for employment or in my immediate dismissal; in addition, it is expressly understood and agreed as a condition of employment that my employment with Parsons Brinckerhoff/Heery is terminable at will and may be terminated by me or by Parsons Brinckerhoff/Heery at any time, with or without cause or notice. I hereby release my current and former employers, educational institutions, references and their agents from any and all liability associated with the disclosure of information about me to Parsons Brinckerhoff/Heery.

Signature \_\_\_\_\_ Date \_\_\_\_\_

## SLAVERY ERA RECORD AND INSURANCE DISCLOSURE ORDINANCE

### CITY OF DETROIT

## SLAVERY ERA RECORD AND INSURANCE DISCLOSURE AFFIDAVIT

1. Name of Contractor: PARSONS BRINCKERHOFF MICHIGAN, INC.
2. Address of Contractor: 500 GRISWOLD STREET  
SUITE 2900  
DETROIT, MI 48226
3. Name of Predecessor Entities (if any): \_\_\_\_\_
4. Prior Affidavit submission?  No  Yes, on: \_\_\_\_\_  
(Date of prior submission)

If "No", complete Items 5 and 6.

If "Yes", list date of prior submission above, go to Item 6 and execute this Affidavit.

5. \_\_\_\_\_ Contractor was established in \_\_\_\_\_ (year) and did not exist during the slavery era in the United States, is not a successor in interest to any entity that existed during such time, and therefore has no relevant records to search, or any pertinent information to disclose.
- \_\_\_\_\_ Contractor has searched their records and those of any predecessor entity, and has found no records that they or any predecessor(s) made any investments in, or derived profits from the slave industry or from slaveholder insurance policies.
- \_\_\_\_\_ Contractor has found records that they or their predecessor(s) made investments in, or derived profits from, the slave industry or slaveholder insurance policies. The nature of the investment, profits, or insurance policies, including the names of any slaves or slaveholders, is disclosed in the attached document(s).
6. I declare that the representations made in this Affidavit are accurate to the best of my knowledge and are based upon a diligent search of records in the Contractor's possession or knowledge. All documentation attached to this Affidavit reflects full disclosure of all records that are required to be disclosed to the City of Detroit. I also acknowledge that any failure to conduct a diligent search, or to make a full and complete disclosure, shall render this contract voidable by the City of Detroit.

ERWIN TATEM (Printed Name) PRESIDENT (Title)  
[Signature] (Signature) 7.18.2014 (Date)

Subscribed and sworn to before me this

18<sup>th</sup> day of July 2014  
Bolinda J. Beard

Notary Public, WAYNE County, Michigan

My Commission expires: September 15, 2015

CPO: 2891323

**EXECUTED CONTRACT**

**CPO NO: 2891323**

**SPO NO: 2891324**

**CITY OF DETROIT  
MIKE DUGGAN - MAYOR**

**CONTRACT FOR PROFESSIONAL SERVICES**

**BETWEEN THE CITY OF DETROIT, MICHIGAN  
AND PARSONS BRINCKERHOFF MICHIGAN, INC.**

**TO PROVIDE CONSTRUCTION ENGINEERING AND  
INSPECTION SERVICES FOR  
FOURTEEN (14) MDOT PROJECTS**

**(119576A, 119577A, 119578A 119579A, 121508A, 122861A, 123169A,  
123175A, 123176A, 123587A, 123844A & 3 JOB NUMBERS TBD)**

**FOR THE CITY OF DETROIT  
DEPARTMENT OF PUBLIC WORKS  
CITY ENGINEERING DIVISION**

**DEPARTMENT OF PUBLIC WORKS  
RON BRUNDIDGE, DIRECTOR**

**PREPARED BY:  
DEPARTMENT OF PUBLIC WORKS  
CITY ENGINEERING DIVISION  
RICHARD T. DOHERTY, P.E.  
CITY ENGINEER**

**JULY 2014**

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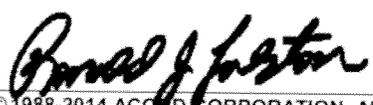
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**CERTIFICATE HOLDER**

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	<b>INSURER C :</b>		
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INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX DAMAGE TO RENTED PREMISES (Ea occurrence) \$ XXXXXXXX MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ XXXXXXXX GENERAL AGGREGATE \$ XXXXXXXX PRODUCTS - COMP/OP AGG \$ XXXXXXXX \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident) \$ XXXXXXXX BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A	NOT APPLICABLE			<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ XXXXXXXX E.L. DISEASE - EA EMPLOYEE \$ XXXXXXXX E.L. DISEASE - POLICY LIMIT \$ XXXXXXXX
A	<b>PROFESSIONAL LIABILITY</b>	N	N	EOC587103611	11/1/2013	11/1/2014	\$1,000,000 PER CLAIM \$2,000,000 AGGREGATE

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

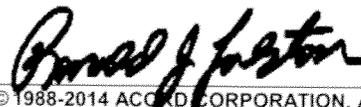
**CERTIFICATE HOLDER**

**CANCELLATION**

13022854  
AS MATTER OF RECORD

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



# CONSTRUCTION ENGINEERING & INSPECTION CONTRACT

THIS CONTRACT, made and entered into as of this date of \_\_\_\_\_, by and between **Parsons Brinckerhoff Michigan, Inc. of 500 Griswold Street, Suite 2900, Detroit, MI 48226-5001**, hereinafter referred to as the "Consultant," and the **City of Detroit, Department of Public Works–City Engineering Division, 65 Cadillac Square, Suite 900, Detroit, Michigan 48226**, hereinafter referred to as the "Local Agency."

WITNESSETH:

WHEREAS, the Local Agency is planning to **construct two (2) HMA roadway improvement projects, job numbers 123169A & 123844A, three (3) traffic signal modernization projects, job numbers 119578A, 121508A & 122861A, three (3) safety projects, job numbers 119576A, 119577A, & 119579A, three (3) streetscape projects, (Jefferson Ave) job number 123587A, (Livernois Ave), job number TBD & Midtown Loop Phase III job number TBD, one (1) lane marking project job number 123175A, one (1) intersection marking project, job number 123176A and one (1) bridge (Mack Ave), job number TBD** within the project limits described in Exhibit A; and

WHEREAS, the Local Agency desires to engage the professional services and assistance of the CONSULTANT to perform certain construction engineering and inspection services and other related work, said work to be hereinafter referred to as the "SERVICES," required in connection with the projects to **construct two (2) HMA roadway improvement projects, job numbers 123169A & 123844A, three (3) traffic signal modernization projects, job numbers 119578A, 121508A & 122861A, three (3) safety projects, job numbers 119576A, 119577A, & 119579A, three (3) streetscape projects, (Jefferson Ave) job number 123587A, (Livernois Ave), job number TBD & Midtown Loop Phase III job number TBD, one (1) lane marking project job number 123175A, one (1) intersection marking project, job number 123176A and one (1) bridge (Mack Ave), job number TBD** within the project limits described in Exhibit A improvements under CPO No. 2891323, said improvements to be hereinafter referred to as the "Project":

**"See Exhibit A"**

WHEREAS, the Local Agency has programmed the Project with the Michigan Department of Transportation, hereinafter referred to as the "Department," for construction with the use of **Federal funds** administered by the United States Department of Transportation, Federal Highway Administration, hereinafter referred to as the "FHWA;" administered by the Michigan Department of Transportation, hereinafter referred to as the "MDOT" and

WHEREAS, the Consultant is willing to render the Services desired by the Local Agency for the considerations hereinafter expressed; and

WHEREAS, the Consultant was selected utilizing a qualification based selection (QBS) process; and

WHEREAS, the parties hereto have reached an understanding as to the scope of the work and the performance of the Services on the Project and desire to set forth this understanding in the form of a written contract;

WHEREAS, the terms and conditions of the prime contract between the Department and the Local Agency for the Project shall be incorporated by reference as part of this subcontract to ensure that if any discrepancies occur between the prime contract and subcontract, the prime contract shall prevail.

WHEREAS, the City and the Consultant agree to follow a dispute resolution process in the event that problems occur with the Services performed by the Consultant or for any other dispute the City and the Consultant may encounter as a result of this Contract;

NOW, THEREFORE, it is hereby agreed by and between the parties hereto that:

The Consultant Shall:

1. Provide the following Services relating to the Project, as more fully defined in the Scope of Services attached hereto:
  - a. Assign a Project Engineer *and qualified inspection personnel* who shall be the sole representative responsible for the project. This responsibility shall not be delegated to anyone else. The Project Engineer shall perform his duties in conformance with City of Detroit guidelines and in the best interest of the City without any conflicts of interest with any party, client or agency. The Project Engineer shall perform these duties under the supervision of the City's designated Project Supervisor and the ultimate authority of the City Engineer, division head of the City Engineering Division.
  - b. Provide field survey information, construction staking services, and soil borings on the Project site and any other field services as may be required for effective control of the construction of the Project. A portion of the surveying services work is to be performed in accordance with a subcontractual arrangement between the Consultant and **Surveying Solutions, Inc (SSI)**.
  - c. Perform and/or have conducted field checks and laboratory testing of materials and equipment to assure compliance with the contract specifications and requirements of the Department and the FHWA. A portion of the off-site testing work is to be performed in accordance with a subcontractual arrangement between the Consultant and **Somat Engineering, Inc**.
  - d. Such additional engineering and inspection services as may be required by the Project Engineer for satisfactory completion of the Project.
2. Perform all Project work under the direction of the Project Supervisor who will be assigned by the Local Agency as provided in Section 15.
3. Provide such reports and maintain such records of the Project as are required in the Scope of Services *included in this contract* document the Services in accordance with the terms of this Contract.
4. Govern all Services by the applicable codes, laws, and standards of the Local Agency and the Department and the FHWA.
5. During the performance of the Services herein provided for, be responsible for any loss or damage to the documents, owned by the Local Agency while they are in Consultant's possession. Restoration of lost or damaged documents while in the Consultant's possession shall be at the Consultant's expense.
6. Furnish qualified personnel to assist the Project Engineer in solving field problems, when so requested.
7. Attend conferences and make such trips as necessary to the Local Agency's offices and to the site of the work to confer with representatives of the Local Agency and the Department or the FHWA as specified in the Scope of Services for carrying out of the Services under this contract.
8. Follow standard accounting practices and permit representatives of the Local Agency and the Department and the FHWA to audit and inspect its Project books and records at **any reasonable time**.

Such records are to be kept available in the Detroit office, **located at 500 Griswold Street, Suite 2900, Detroit, MI 48226-5001** for **three (3) years** from the date of the final payment for the Services conducted under this contract.

- a. The Consultant shall establish and maintain accurate records, in accordance with generally accepted accounting principles, of all expenses incurred for which payment is sought or made under this Contract, said records to be hereinafter referred to as the "Records." Separate accounts shall be established and maintained for all costs incurred under this Contract.
- b. The Consultant shall maintain the Records for at least **three (3) years** from the date of final payment of federal aid made by the Department to the Local Agency under this Contract **and upon completion of the MDOT Commission audit**. In the event of a dispute with regard to the allowable expenses or any other issue under this Contract, the Consultant shall thereafter continue to maintain the Records at least until that dispute has been finally decided and the time for all available challenges or appeals of that decision has expired.
- c. The Department, or their representative, may inspect, copy, or audit the Records at any reasonable time after giving reasonable notice.
- d. If any part of the Services is subcontracted, the Consultant shall assure compliance with subsections (a), (b), and (c) above for all subcontracted work.

9. Have in its employ a sufficient number of qualified employees available to complete the Services in accordance with the schedule for construction and completion of the Project, upon the authorization to proceed with the Services as outlined herein.

10. Show evidence of Workers' Compensation Insurance, said insurance to be as required by law.

11. Commence work on the Project as set forth in and following execution of this contract only upon receipt of written notice from the Project Engineer.

12. Provide a working office at the Project site or in the vicinity of the Project acceptable to the Local Agency for adequate performance of the Services to be provided under this Contract and as identified by the Consultant in their qualification packet submittal at **500 Griswold Street, Suite 2900, Detroit, MI 48226-5001**.

13. Furnish the Local Agency and the Department a set of as built plans and records of the Project upon completion thereof.

14. Submit billings to the Local Agency as set forth in Section 17.

14.5 Perform the Services with the same degree of care, skill, and diligence ordinarily possessed and exercised by a member of the same profession, currently practicing under similar circumstances. No other warranty, express or implied, is included in this Contract or in any drawing, specification, report, opinion, or other instrument of service, in any form or media, produced in connection with the Services. Consultant shall not be responsible for construction means, methods, or safety programs in connection with the Project. Consultant's standard of care shall not be altered by the application, interpretation, or construction of any other provision of this Contract.

The Local Agency will:

15. Assign a Project Supervisor who shall be the City's representative overseeing the consultants services as it relates to the Project. The Local Agency designates **Umakant Patel, P.E.** as the Project Supervisor. The Project Supervisor shall render decisions and approvals as promptly as necessary to allow for the expeditious performance of Consultant's Services. The Project Supervisor shall also make Local Agency's facilities available to Consultant as required for performance of the Services under this Contract.

16. For and in consideration of the Services rendered by the Consultant as set forth in this contract, pay the Consultant on the basis of actual cost plus a fixed fee (profit) amount which shall be **limited to the lesser of:**

**(1) 100% of the actual cost for construction engineering and inspection for each project not to exceed the total amount shown in Exhibit B.** The fixed fee (profit) shall not exceed the amount of **two hundred thousand, three hundred forty and 11/100 dollars (\$200,340.11)** which is included in the total not to exceed **two million, one hundred fifty-eight thousand, two hundred twenty-two and 34/100 dollars (\$2,158,222.34)** as shown in Exhibit B attached hereto and made a part hereof **OR**

**(2) 15% of the actual contracted physical construction cost of each project in the contract (TBD pending final bid results);**

Actual costs for Services required and performed will be determined in accordance with the following terms, subject to the cost criteria set forth in the Federal Acquisition Regulations, 48 CFR, Part 31:

- a. Direct Salary Costs: Actual labor costs of personnel performing the Services. This cost will be based on the employees' actual hourly rate of pay and the actual hours of performance on the Project as supported by employee time records.
- b. Direct Costs: Actual costs of materials and services, other than salaries, as may be required hereunder but which are not normally provided as a part of the overhead of the Consultant. All actual costs shall be itemized and certified as paid to specifically named firms or individuals, and shall be supported by proper receipts.
- c. Overhead (Indirect Costs): A pro-rated portion of the actual overhead incurred by the Consultant during performance of the Project Services. The amount of overhead payment, including payroll overhead, will be calculated as a percentage of all direct labor costs related to staff personnel and members of the firm. Overhead shall include those costs, which because of their incurrence for common or joint objectives, are not readily subject to treatment as a direct cost. The provisional overhead rate, which will be applied to direct labor costs for progress payments, is set forth in Exhibit B.

It is agreed that the use of the provisional rate set forth in Exhibit B sets neither a minimum nor maximum to the actual overhead costs to be paid the Consultant. Any overpayments or under payments made to the Consultant for Services performed resulting from usage of the provisional overhead rate, will be corrected in the first billing submitted subsequent to the Consultant's calculation of an actual overhead rate for the financial year end applicable to the reported direct labor cost. The audit at the completion of this contract, or at such time as this contract is terminated, will verify the propriety of reported overhead.

Facilities Cost of Capital: A pro-rated portion of the actual facilities cost of capital incurred by the Consultant during work is reimbursable only if the estimated facilities cost of capital was specifically identified in the cost proposal for this work (Exhibit B).

- d. Travel and Subsistence: Actual costs in accordance with and not to exceed the amounts set forth in the State of Michigan Standardized Travel Regulations, incorporated herein by reference as if the same were repeated in full herein.

- e. Fixed Fee (Profit): In addition to the payments for direct and overhead costs as hereinbefore provided, the Local Agency agrees to pay the Consultant a fixed amount for profit for the Services performed. It is agreed and understood that such amount will constitute full compensation to the Consultant for profit and will not vary because of any differences between the estimated cost and the actual cost for Services performed unless there is a material change in the Project which changes the Services, except that in the event this contract is terminated, payment of a fixed fee (profit) in respect to the Project shall be in an amount which can be established by the Consultant from its accounts and records and subject to the provisions of Section 18.
- f. Subconsultant Costs: Actual costs of subconsultants performing Services under this Contract. Amounts for fixed fees paid by the Consultant to the subconsultant will not be considered an actual cost of the Consultant, but will be considered a part of the fixed fee of the Consultant
- g. Those costs incurred by the Consultant in the utilization of the subcontracted services of **Somat Engineering, Inc.** shall be excluded from the calculation of the Consultant's percentage of Services completed, as set forth in Section 17a, but will be reimbursed by the Local Agency. Payment by the Local Agency will be made directly to the Consultant. The Project cost attributable to **Somat Engineering, Inc** is estimated to be **two hundred sixty thousand, eight hundred twenty and 44/100 dollars (\$260,820.44)**

Those costs incurred by the Consultant in the utilization of the subcontracted services of **Surveying Solutions, Inc.** shall be excluded from the calculation of the Consultant's percentage of Services completed, as set forth in Section 17a, but will be reimbursed by the Local Agency. Payment by the Local Agency will be made directly to the Consultant. The Project cost attributable to **Surveying Solutions, Inc.** is estimated to be **one hundred eighteen thousand, six hundred seventy-two and 70/100 dollars (\$118,672.70).**

The maximum amount, including the fixed fee (profit), hereinbefore set forth in this Section, shall not be exceeded except by the execution of an amendment to this contract by and between the parties hereto and with approval by the Department and the FHWA. Payment shall be made as hereinafter set forth.

17. Make payments to the Consultant in accordance with the following procedures:

- a. Progress payments shall be made for reimbursement of amounts earned to date for the Services completed and shall include direct costs, other direct costs, calculated amounts for overhead using overhead, and facilities cost of capital using applied rates, set forth hereinbefore, plus a portion of the fixed fee.

The portion of the fixed fee which will be included in progress payments shall be equal to the total fixed fee multiplied by the percentage of the Services which have been completed to date of billing.

- b. Partial payments will be made upon the submission by the Consultant of a billing, accompanied by properly completed reporting forms and such other evidence of progress as may be required by the Local Agency. Partial payments shall be made only once a month.

- c. Proportional compensation for work performed as a result of the Dispute Resolution Process (DRP) will be on the basis of actual cost and a fixed fee for profit. The proportion of such costs incurred that will be reimbursed, if any, will be as determined by the DRP. The City and the Consultant will maintain separate Records for the costs incurred relative to the DRP. The allowability of such costs will be as determined by the City's and MDOT's auditor. The determination of allowability under the provisions of this section is limited to the acceptability of the expense relative to 48 CFR, Federal Acquisition Regulations, incorporated herein by reference as if the same were repeated in full herein. Such determination by the City's and MDOT's auditor does not apply to the acceptability or completeness of work as determined by the DRP.
- d. Final billing under this contract shall be submitted in a timely manner but not later than **three (3) months** after completion of the Services. Billings for work submitted later than **three (3) months** after completion of Services will not be paid. Final payment, including adjustments of direct salary costs, other direct costs and overhead costs, will be made upon completion of audit by the Local Agency and/or as appropriate, by representatives of the Department and the FHWA. In the event such audit indicates an overpayment, the Consultant will repay the Local Agency within **30 days** of the date of the invoice.

18. If Services, or any part thereof, are terminated before completed, pay the Consultant as follows:

- a. Pay the Consultant actual costs plus overhead, as defined herein, incurred for the work completed up to the time of termination, plus an amount determined at the time of termination to compensate the Consultant in full for a normal profit on work completed, as set forth in Section 16. The amounts included for overhead and profit shall be subject to approval by the Department and the FHWA. The Department will receive the work product produced by the Consultant under this Contract up to the time of termination, prior to the Consultant being reimbursed.
- b. In no case, shall the compensation paid to the Consultant for Services, or any part thereof, exceed the amount the Consultant would receive had the Services, or the terminated portion thereof, been completed.

IT IS FURTHER AGREED THAT:

19. Upon completion or termination of this contract, all documents prepared by the Consultant, including tracings, drawings, estimates, specifications, field notes, investigations, studies, etc., as instruments of Service, shall upon full payment therefore become the property of the Local Agency. Consultant shall not be liable for any errors or omissions contained in deliverables which are incomplete as a result of a suspension or termination where Consultant is deprived of the opportunity to complete Consultant's Services.

20. No portion of the Project work, hereto before defined, shall be sublet, assigned, or otherwise disposed of except as herein provided or with the prior written consent of the Local Agency and approval by the Department and the FHWA. Consent to sublet, assign or otherwise dispose of any portion of the Services shall not be construed to relieve the Consultant of any responsibility for the fulfillment of this contract.

21. All questions which may arise as to the quality and acceptability of work, the manner of performance and rate of progress of the work, and the interpretation of plans and specifications shall be decided by the Local Agency's Project Engineer based on the terms of this Contract. All questions as to the satisfactory and acceptable fulfillment of the terms of this contract shall be decided by the Local Agency.

22. Any change in Services to be performed by the Consultant involving extra compensation must be authorized in writing by the Local Agency and approved by the Department and the FHWA prior to the performance thereof by the Consultant and requires an amendment to this Contract. **Any work performed by the Consultant outside of the agreed scope will not be compensated if performed before it has been authorized by the Local Agency and approved by the Department and the FHWA.**

The Consultant and the Local Agency specifically agree that in the event problems arise that may be the result of negligent errors and/or omissions by the Consultant or due to a failure of the Consultant to otherwise perform in accordance with this contract, the Consultant will be held responsible with no cost to the Local Agency or in accordance with the Local Agency's dispute resolution process if applicable.

23. In addition, the Consultant shall comply with, and shall require any of its Consultants or subconsultants to comply with, the following:

- a. In connection with the performance of the Project under this contract, the Consultant (hereinafter in Appendix "A" referred to as the "Consultant") agrees to comply with the State of Michigan provisions for "Prohibition of Discrimination in State Contracts," as set forth in Appendix "A," attached hereto and made a part hereof and will require a similar covenant on the part of any Consultant or subconsultant employed in the performance of this contract.
- b. During the performance of this contract, the Consultant for itself, its assignees, and successors in interest (hereinafter in Appendix "B" referred to as the "Consultant") agrees to comply with the Civil Rights Act of 1964, being P.L. 88-352, 78 Stat. 241, as amended, being Title 42 U.S.C. Sections 1971, 1975a-1975d, and 2000a-2000h-6, and the Regulations of the United States Department of Transportation (49 C.F.R. Part 21) issued pursuant to said Act, including Appendix "B," attached hereto and made a part hereof and will require similar covenants on the part of any Consultant or subconsultant employed in the performance of this contract.
- c. The parties hereto further agree that they accept the Department's Minority Business Enterprises/Women's Business Enterprises (MBE/WBE) Program with respect to the PROJECT and will abide by the provisions set forth in Appendix "C," attached hereto and made a part hereof, being an excerpt from Title 42 C.F.R. Part 23, more specifically 23.43(a)(1) and (2) thereof.

24. The Consultant warrants that it has not employed or retained any company or person other than bona fide employees working solely for the Consultant, to solicit or secure this contract, and that he has not paid or agreed to pay any company or person, other than bona fide employees working solely for the Consultant, any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon or resulting from the award or making of this contract. For breach or violation of this warranty, the Local Agency shall have the right to annul this contract without liability or, at its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gifts or contingent fee.

25. The Consultant specifically agrees that in the performance of Services herein enumerated by it, or by an approved subconsultant, or anyone acting in its behalf, they will, to the best of their professional knowledge and ability in accordance with the standard of care defined herein, comply with any and all applicable state, federal, and local statutes, ordinances, and regulations.

26. No charges or claims for damages shall be made by the Consultant for delays or hindrances from any cause whatsoever during the progress of any portions of the Services specified in this contract, except as hereinafter provided.

In case of a substantial delay on the part of the Local Agency in providing to the Consultant either the necessary information or approval to proceed with the Services, resulting, through no fault of the Consultant, in delays of such extent as to require the Consultant to perform its Services under changed conditions not contemplated by the parties, the Local Agency will consider supplemental compensation limited to increased costs incurred as a direct result of such delays. Any claim for supplemental compensation must be in writing and accompanied by substantiating data. Authorization of such supplemental compensation shall be by an amendment to this contract subject to prior approval by the Department and the FHWA.

When delays are caused by circumstances or conditions beyond the control of the Consultant, as reasonably determined by the Local Agency, the Consultant shall be granted an extension of time for such reasonable period as may be mutually agreed upon between the parties, it being understood, however, that the permitting of the Consultant to proceed to complete the Services, or any part of them, after the date to which the time of completion may have been extended, shall in no way operate as a waiver on the part of the Local Agency of any of its rights herein set forth.

27. In case the Consultant deems extra compensation will be due it for work or materials not clearly covered in this contract, or not ordered by the Local Agency as a change, or due to changed conditions, the Consultant shall notify the Local Agency in writing of its intention to make claim for such extra compensation before beginning such work. **Failure on the part of the Consultant to give such notification will constitute a waiver of the claim for such extra compensation.** The filing of such notice by the Consultant shall not in any way be construed to establish the validity of the claim. Such extra compensation shall be provided only by amendment to this contract with approval of the Department and the FHWA.

28. The Consultant agrees to obtain the necessary liability insurance, acceptable to the Local Agency, naming **the City of Detroit, the Michigan State Transportation Commission, and the Michigan Department of Transportation as insured,** and to provide the Local Agency with evidence of said insurance, and to indemnify and save harmless the Local Agency, the Michigan State Transportation Commission, and the Department, their officers, and employees from any and all judgments, and losses occurring or resulting to the extent caused by the negligent act, error or omission of the Consultant in the performance of the services under this contract.

<u>TYPE</u>	<u>AMOUNT NOT LESS THAN</u>
A. Worker's Compensation Insurance	Statutory limit
B. Employer's Liability Insurance	\$500,000 minimum each accident/each disease/ each person
C. Commercial General Liability Insurance (Coverage to include blanket contractual liability)	\$1,000,000 minimum each occurrence \$2,000,000 minimum aggregate
D. Automobile Liability Insurance (covering all owned, hired and non-owned vehicles with personal and property protection insurance to comply with the provisions of the Michigan No-Fault Insurance Act, including residual liability insurance)	\$1,000,000 minimum combined single limit for bodily injury and property damage
E. Professional Liability Insurance (Errors & Omissions)	\$1,000,000 each occurrence \$2,000,000 aggregate

29. This contract shall be terminated upon advisement to the Consultant by the Local Agency that its Services are completed and accepted.

30. The Consultant's signature on this Contract constitutes the Consultant's certification of "status" under penalty of perjury under the laws of the United States in respect to 49 CFR, Part 29 pursuant to Executive Order 12549.

The certification, which is included as a part of this Contract as Attachment "A," is Appendix A of 49 CFR Part 29, and applies to the Consultant (referred to in Appendix A of 49 CFR Part 29 as "the prospective primary participant").

The Consultant is responsible for obtaining the same certification from all sub-consultants under this contract by inserting the following paragraph in all subcontracts:

"The sub-consultant's signature on this Contract constitutes the sub-consultant's certification of "status" under penalty of perjury under the laws of the United States in respect to 49 CFR, Part 29 pursuant to Executive Order 12549. The certification, which is included as a part of this Contract as Attachment "B," is Appendix B of 49 CFR, Part 29."

This certification is required of all sub-consultants, testing laboratories, and other lower tier participants with which the Consultant enters into a written arrangement for the procurement of goods or services provided for in this Contract.

31. The Consultant hereby agrees that the costs reported to the Local Agency for this Contract shall represent only those items which are properly chargeable in accordance with this Contract. The Consultant also hereby certifies that it has read the Contract terms and has made itself aware of the applicable laws, regulations, and terms of this Contract that apply to the reporting of costs incurred under the terms of this Contract.

32. Upon execution of this contract by the parties hereto, the same shall become binding on the parties hereto and their successors and assigns, until such time as all work contemplated hereunder is complete, or until such time as this contract is terminated by mutual consent of the parties hereto.

33. Payment for Services provided under this Contract is governed by the terms of Ordinance No. 42-98, entitled "Prompt Payment of Vendors," being Sections 18-5-71 through 18-5-79 of the 1984 Detroit City Code.

The individual responsible for accepting performance under this Contract is:

**Mr. Richard T. Doherty, P.E., City Engineer**  
DPW/City Engineering Division  
65 Cadillac Square, 900 Cadillac Tower  
Detroit, Michigan 48226  
313-224-3955 Telephone  
313-224-3471 Facsimile  
[dohertyri@detroitmi.gov](mailto:dohertyri@detroitmi.gov)

The contact person from whom payment should be requested is:

**Mr. Michel Bongo, Manager II**  
Finance, Central Accounting Office for DPW  
2 Woodward Avenue  
646 Coleman A. Young Municipal Center  
Detroit, Michigan 48226  
313-628-2623 Telephone  
313-628-2631 Facsimile  
[bongom@detroitmi.gov](mailto:bongom@detroitmi.gov)

34. **Notice to Proceed** - The Consultant shall commence performance of this Contract upon receipt of the City's delivery of a written "Notice to Proceed" after the Contract is approved by City Council and the Purchasing Director. The Contract shall be effective from the date stated in the first "Notice to Proceed" until the each job has been completed, audited and accepted by the Michigan Department of Transportation (MDOT) but no later than **December 31, 2018**.

35. **Invoicing** - The City of Detroit (Accounts Payable) requires that each invoice submitted has a valid unique invoice number to facilitate the payment process. All invoices submitted shall adhere to the City's requirements for a proper invoice number and shall not contain any of the following:

- Alphabetic suffixes (e.g. 123A)
- Numeric suffixes (e.g. 123-3)
- Periods, dashes, slashes, hyphens or extraneous characters or spaces

Additionally, each invoice shall include all of the following information:

**For: DPW-City Engineering Division** (or other applicable Dept/Div)  
Date of invoice  
Time period of service (s) provided (if applicable)  
Contractor's/Vendor's Federal ID Number  
Valid Purchase Order Number (CPO/SPO number(s))

**Submit only the original invoice to:**

**City of Detroit, Finance-Accounts Payable Division  
2 Woodward Avenue, 1006 CAYMC  
Detroit, MI 48226**

Submit a copy of the invoice with all supporting documentation to:

**DPW-City Engineering Division  
Attention: Charlotte Robinson  
65 Cadillac Square, Suite 900  
Detroit, MI 48226**

In accordance with the Prompt Payment Ordinance, departments shall notify vendors of issues with invoices to facilitate timely payment. Any invoices submitted without a proper invoice number or that do not otherwise comply with the ordinance requirements will be referred back to the department for correction.

Failure to follow this procedure or include the requested information could delay payment.

## Exhibit A Project Descriptions

	<b>PROJECT NUMBER</b>	<b>PROJECT DESCRIPTION</b>
1	JN 119576A	Safety Project along Hayes Street between 8 Mile Road and Harper Road & Chalmers between 7 Mile Road and Jefferson Avenue
2	JN 119577A	Safety Project along Houston Whittier/Whittier Street between Gratiot Avenue and Harper Avenue & Fenkell Street/Rosa Parks Blvd. from east of Wyoming Street to Oakman Blvd.
3	JN 119578A	Traffic Signal Modernization and pavement markings at eight (8) locations
4	JN 119579A	Safety Project along Wyoming Street between 8 Mile Road and Tireman Street.
5	JN 121508A	Traffic Signal Modernization at twenty-one (21) locations along Plymouth Road from Wyoming to W. Outer Drive
6	JN 122861A	Traffic Signal Modernization at twenty (20) locations
7	JN 123169A	HMA Group 1- 4.05 miles of HMA cold milling & resurfacing... at 9 locations
8	JN 123175A	Lane Markings – Application of longitudinal pavement markings on various streets from Abbott to Wyoming
9	JN 123176A	Intersection Markings – Application of pavement markings at 169 intersections from Alter Street at Charlevoix Street to W. Warren Avenue at Woodmont Street
10	JN 123587A	Jefferson Avenue Streetscape
11	JN 123844A	HMA Group 2 – 6.45 miles of HMA cold milling & resurfacing... at 6 locations
12	JN TBD	Livernois Streetscape
13	JN TBD	Mack Avenue Bridge - preventative maintenance work and HMA cold milling of Mack Avenue from St. Jean to Algonquin Street
14	JN TBD	Mid Town Loop Phase III – Street lights on Cass Avenue from Canfield to I-94, road and non-motorized improvements on Cass Avenue from downtown to W. Grand Blvd.

## Exhibit B

### SUMMARY OF TOTAL PROJECT COSTS

SUMMARY OF TOTAL PROJECT COSTS, AS AMENDED							
MDOT CONTROL SECTION(S) - JOB NUMBER(S):				CONTRACT / AUTHORIZATION NUMBER:			
CS: Various JN: Various							
PRIME CONSULTANT NAME:			DBE Goal:	PROJECT DESCRIPTION:			
Parsons Brinckerhoff Michigan, Inc.				Detroit CE&I			
	Original Contract	Amendment #1 (Revision)	Amendment #2 (Revision)	Amendment #3 (Revision)	DBE (Y if DBE)	Total	% of Contract
<b>HOURS</b>	<b>27,046.0</b>					<b>27,046.0</b>	
Parsons Brinckerhoff Michigan, Inc.	20,797.0				N	20,797.0	76.89%
Somat Engineering, Inc.	4,848.0				Y	4,848.0	17.83%
Surveying Solutions, Inc.	1,401.0				N	1,401.0	5.18%
<b>DIRECT LABOR</b>	<b>\$ 807,137.66</b>					<b>\$ 807,137.66</b>	
Parsons Brinckerhoff Michigan, Inc.	\$ 703,482.05	\$ -	\$ -	\$ -	N	\$ 703,482.05	87.16%
Somat Engineering, Inc.	\$ 66,617.60	\$ -	\$ -	\$ -	Y	\$ 66,617.60	8.25%
Surveying Solutions, Inc.	\$ 37,058.00	\$ -	\$ -	\$ -	N	\$ 37,058.00	4.59%
	\$ -	\$ -	\$ -	\$ -		\$ -	
<b>OVERHEAD</b>	<b>\$ 1,014,136.04</b>					<b>\$ 1,014,136.04</b>	
Parsons Brinckerhoff Michigan, Inc.	\$ 808,981.36	\$ -	\$ -	\$ -	N	\$ 808,981.36	79.77%
Somat Engineering, Inc.	\$ 135,300.35	\$ -	\$ -	\$ -	Y	\$ 135,300.35	13.34%
Surveying Solutions, Inc.	\$ 69,854.34	\$ -	\$ -	\$ -	N	\$ 69,854.34	6.89%
	\$ -	\$ -	\$ -	\$ -		\$ -	
<b>PREMIUM OVERTIME</b>	\$ -					\$ -	
Parsons Brinckerhoff Michigan, Inc.	\$ -				N	\$ -	
Somat Engineering, Inc.	\$ -				Y	\$ -	
Surveying Solutions, Inc.	\$ -				N	\$ -	
<b>F.C.C.M.</b>	\$ -					\$ -	
Parsons Brinckerhoff Michigan, Inc.	\$ -	\$ -	\$ -	\$ -	N	\$ -	
Somat Engineering, Inc.	\$ -	\$ -	\$ -	\$ -	Y	\$ -	
Surveying Solutions, Inc.	\$ -	\$ -	\$ -	\$ -	N	\$ -	
	\$ -	\$ -	\$ -	\$ -		\$ -	
<b>DIRECT EXPENSES</b>	<b>\$ 136,606.52</b>					<b>\$ 136,606.52</b>	
Parsons Brinckerhoff Michigan, Inc.	\$ 99,917.00	\$ -	\$ -	\$ -	N	\$ 99,917.00	73.14%
Somat Engineering, Inc.	\$ 36,691.52	\$ -	\$ -	\$ -	Y	\$ 36,691.52	26.86%
Surveying Solutions, Inc.	\$ -	\$ -	\$ -	\$ -	N	\$ -	
	\$ -	\$ -	\$ -	\$ -		\$ -	
<b>FIXED FEE</b>	<b>\$ 200,340.11</b>					<b>\$ 200,340.11</b>	
Parsons Brinckerhoff Michigan, Inc.	\$ 166,368.77	\$ -	\$ -	\$ -	N	\$ 166,368.77	83.04%
Somat Engineering, Inc.	\$ 22,210.97	\$ -	\$ -	\$ -	Y	\$ 22,210.97	11.09%
Surveying Solutions, Inc.	\$ 11,760.36	\$ -	\$ -	\$ -	N	\$ 11,760.36	5.87%
	\$ -	\$ -	\$ -	\$ -		\$ -	
	\$ -	\$ -	\$ -	\$ -		\$ -	
<b>TOTAL COSTS SUMMARY</b>							
Parsons Brinckerhoff Michigan, Inc.	\$ 1,778,728.18	\$ -	\$ -	\$ -	N	\$ 1,778,728.18	82.42%
Somat Engineering, Inc.	\$ 260,820.44	\$ -	\$ -	\$ -	Y	\$ 260,820.44	12.08%
Surveying Solutions, Inc.	\$ 118,872.70	\$ -	\$ -	\$ -	N	\$ 118,872.70	5.50%
<b>TOTAL COSTS</b>	<b>\$ 2,158,222.34</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ 2,158,222.34</b>	<b>100.00%</b>

## Exhibit B

### SUMMARY OF TOTAL PROJECT COSTS BY JOB NUMBER

SUMMARY OF TOTAL PROJECT COSTS BY JOB NUMBER							
MDOT CONTROL SECTION(S) - JOB NUMBER(S):				CONTRACT / AUTHORIZATION NUMBER:			
CS: Various JN: Various							
PRIME CONSULTANT NAME:		DBE Goal:		PROJECT DESCRIPTION:			
Parsons Brinckerhoff Michigan, Inc.				Detroit CE&I			
	Job Number 123176A	Job Number 123175A	Job Number Midtown Loop	Job Number Mack Ave.	DBE (Y if DBE)	Page 1 Total	% of Contract
<b>HOURS</b>	X	X	X	X			
	382	585	5,014	1,897		7,878	
Parsons Brinckerhoff Michigan, Inc.	382	585	3,781	1,365	N	6,113	
Somat Engineering, Inc.			787	365	Y	1,152	
Surveying Solutions, Inc.			446	167	N	613	
<b>DIRECT LABOR</b>	\$ 16,008.90	\$ 24,069.25	\$ 144,686.65	\$ 52,530.40		\$ 237,295.20	
Parsons Brinckerhoff Michigan, Inc.	\$ 16,008.90	\$ 24,069.25	\$ 122,523.05	\$ 42,982.60	N	\$ 205,583.80	
Somat Engineering, Inc.			\$ 10,190.60	\$ 5,025.30	Y	\$ 15,215.90	
Surveying Solutions, Inc.			\$ 11,973.00	\$ 4,522.50	N	\$ 16,495.50	
<b>OVERHEAD</b>	\$ 18,410.24	\$ 27,679.64	\$ 184,167.73	\$ 68,161.28		\$ 298,418.89	
Parsons Brinckerhoff Michigan, Inc.	\$ 18,410.24	\$ 27,679.64	\$ 140,901.51	\$ 49,429.99	N	\$ 236,421.37	
Somat Engineering, Inc.			\$ 20,697.11	\$ 10,206.38	Y	\$ 30,903.49	
Surveying Solutions, Inc.			\$ 22,569.11	\$ 8,524.91	N	\$ 31,094.02	
<b>DIRECT EXPENSES</b>	\$ 3,866.00	\$ 4,616.00	\$ 18,820.64	\$ 10,782.12		\$ 38,084.76	
Parsons Brinckerhoff Michigan, Inc.	\$ 3,866.00	\$ 4,616.00	\$ 14,706.00	\$ 5,971.00	N	\$ 29,159.00	
Somat Engineering, Inc.			\$ 4,114.64	\$ 4,811.12	Y	\$ 8,925.76	
Surveying Solutions, Inc.	\$ -				N	\$ -	
<b>FIXED FEE</b>	\$ 3,786.10	\$ 5,692.38	\$ 36,173.98	\$ 13,276.09		\$ 58,928.56	
Parsons Brinckerhoff Michigan, Inc.	\$ 3,786.10	\$ 5,692.38	\$ 28,976.70	\$ 10,165.38	N	\$ 48,620.57	
Somat Engineering, Inc.			\$ 3,397.65	\$ 1,675.49	Y	\$ 5,073.13	
Surveying Solutions, Inc.			\$ 3,799.63	\$ 1,435.22	N	\$ 5,234.85	
<b>TOTAL COSTS SUMMARY</b>	123176A	123175A	Midtown Loop	Mack Ave.		Total	
Parsons Brinckerhoff Michigan, Inc.	\$ 42,071.24	\$ 62,057.27	\$ 307,107.26	\$ 108,548.97		\$ 519,784.74	
Somat Engineering, Inc.	\$ -	\$ -	\$ 38,400.00	\$ 21,718.29		\$ 60,118.29	
Surveying Solutions, Inc.	\$ -	\$ -	\$ 38,341.74	\$ 14,482.83		\$ 52,824.37	
	\$ -	\$ -	\$ -	\$ -		\$ -	
<b>TOTAL COSTS</b>	\$ 42,071.24	\$ 62,057.27	\$ 383,849.01	\$ 144,749.99		\$ 632,727.39	

## Exhibit B

### SUMMARY OF TOTAL PROJECT COSTS BY JOB NUMBER

SUMMARY OF TOTAL PROJECT COSTS BY JOB NUMBER							
MDOT CONTROL SECTION(S) - JOB NUMBER(S):				CONTRACT / AUTHORIZATION NUMBER:			
CS: Various JN: Various							
PRIME CONSULTANT NAME:		DBE Goal:		PROJECT DESCRIPTION:			
Parsons Brinckerhoff Michigan, Inc.				Detroit CE&I			
	Job Number 119578A	Job Number 122861A	Job Number 119576A	Job Number 119579A	DBE (Y if DBE)	Page 2 Total	% of Contract
<b>HOURS</b>	X	X	X	X			
	805	2,128	565	702		4,200	
Parsons Brinckerhoff Michigan, Inc.	601	1,534	420	532	N	3,087	
Somat Engineering, Inc.	132	396	83	99	Y	710	
Surveying Solutions, Inc.	72	198	62	71	N	403	
<b>DIRECT LABOR</b>	\$ 23,201.30	\$ 66,013.93	\$ 17,215.30	\$ 20,911.66		\$ 127,342.19	
Parsons Brinckerhoff Michigan, Inc.	\$ 19,642.70	\$ 55,565.23	\$ 14,432.30	\$ 17,544.36	N	\$ 107,184.59	
Somat Engineering, Inc.	\$ 1,612.60	\$ 4,900.70	\$ 1,317.00	\$ 1,606.80	Y	\$ 9,437.10	
Surveying Solutions, Inc.	\$ 1,946.00	\$ 5,548.00	\$ 1,466.00	\$ 1,760.50	N	\$ 10,720.50	
<b>OVERHEAD</b>	\$ 29,532.51	\$ 84,311.32	\$ 22,036.38	\$ 26,757.96		\$ 162,637.17	
Parsons Brinckerhoff Michigan, Inc.	\$ 22,589.11	\$ 63,800.01	\$ 16,597.15	\$ 20,176.01	N	\$ 123,282.28	
Somat Engineering, Inc.	\$ 3,275.19	\$ 9,953.32	\$ 2,674.83	\$ 3,263.41	Y	\$ 19,166.75	
Surveying Solutions, Inc.	\$ 3,668.21	\$ 10,457.98	\$ 2,763.41	\$ 3,318.54	N	\$ 20,208.14	
<b>DIRECT EXPENSES</b>	\$ 3,944.32	\$ 10,410.40	\$ 2,917.40	\$ 3,478.68		\$ 20,750.80	
Parsons Brinckerhoff Michigan, Inc.	\$ 3,120.00	\$ 9,170.00	\$ 2,705.00	\$ 3,245.00	N	\$ 18,240.00	
Somat Engineering, Inc.	\$ 624.32	\$ 1,240.40	\$ 212.40	\$ 233.68	Y	\$ 2,510.80	
Surveying Solutions, Inc.					N	\$ -	
<b>FIXED FEE</b>	\$ 5,800.71	\$ 16,536.78	\$ 4,317.58	\$ 5,243.65		\$ 31,897.73	
Parsons Brinckerhoff Michigan, Inc.	\$ 4,645.50	\$ 13,141.18	\$ 3,413.24	\$ 4,149.24	N	\$ 25,349.16	
Somat Engineering, Inc.	\$ 537.66	\$ 1,633.94	\$ 439.10	\$ 535.72	Y	\$ 3,148.42	
Surveying Solutions, Inc.	\$ 617.56	\$ 1,760.66	\$ 465.24	\$ 558.69	N	\$ 3,402.15	
<b>TOTAL COSTS SUMMARY</b>	<b>119578A</b>	<b>122861A</b>	<b>119576A</b>	<b>119579A</b>		<b>Total</b>	
Parsons Brinckerhoff Michigan, Inc.	\$ 49,997.30	\$ 141,776.42	\$ 37,147.68	\$ 45,114.62		\$ 274,038.02	
Somat Engineering, Inc.	\$ 6,249.77	\$ 17,728.36	\$ 4,643.33	\$ 5,639.61		\$ 34,261.07	
Surveying Solutions, Inc.	\$ 6,231.77	\$ 17,766.64	\$ 4,694.65	\$ 5,837.73		\$ 34,330.79	
	\$ -	\$ -	\$ -	\$ -		\$ -	
<b>TOTAL COSTS</b>	\$ 62,478.84	\$ 177,271.43	\$ 46,485.66	\$ 56,391.96		\$ 342,627.89	

## Exhibit B

### SUMMARY OF TOTAL PROJECT COSTS BY JOB NUMBER

SUMMARY OF TOTAL PROJECT COSTS BY JOB NUMBER							
MDOT CONTROL SECTION(S) - JOB NUMBER(S):				CONTRACT / AUTHORIZATION NUMBER:			
CS: Various JN: Various							
PRIME CONSULTANT NAME:		DBE Goal:		PROJECT DESCRIPTION:			
Parsons Brinckerhoff Michigan, Inc.				Detroit CE&I			
	Job Number 119577A	Job Number Livernois SS	Job Number 121508A	Job Number 123587A	DBE (Y if DBE)	Page 3 Total	% of Contract
<b>HOURS</b>	x 848	x 1,901	x 1,273	x 673		4,695	
Parsons Brinckerhoff Michigan, Inc.	637	1,309	843	558	N	3,447	
Somat Engineering, Inc.	124	410	214	115	Y	863	
Surveying Solutions, Inc.	87	182	116	-	N	385	
<b>DIRECT LABOR</b>	\$ 25,045.05	\$ 54,250.02	\$ 36,729.25	\$ 20,415.10		\$ 136,439.42	
Parsons Brinckerhoff Michigan, Inc.	\$ 20,967.25	\$ 43,733.72	\$ 30,934.55	\$ 18,890.90	N	\$ 114,528.42	
Somat Engineering, Inc.	\$ 1,958.80	\$ 5,906.30	\$ 2,683.70	\$ 1,524.20	Y	\$ 12,071.00	
Surveying Solutions, Inc.	\$ 2,121.00	\$ 4,610.00	\$ 3,111.00	\$ -	N	\$ 9,842.00	
<b>OVERHEAD</b>	\$ 32,084.69	\$ 70,979.32	\$ 46,889.57	\$ 24,820.19		\$ 174,773.76	
Parsons Brinckerhoff Michigan, Inc.	\$ 24,112.34	\$ 50,293.78	\$ 35,574.73	\$ 21,724.54	N	\$ 131,705.38	
Somat Engineering, Inc.	\$ 3,974.26	\$ 11,995.70	\$ 5,450.59	\$ 3,095.65	Y	\$ 24,516.20	
Surveying Solutions, Inc.	\$ 3,998.09	\$ 8,689.85	\$ 5,864.24	\$ -	N	\$ 18,552.18	
<b>DIRECT EXPENSES</b>	\$ 4,420.08	\$ 8,812.52	\$ 6,634.48	\$ 4,012.76		\$ 23,879.84	
Parsons Brinckerhoff Michigan, Inc.	\$ 4,220.00	\$ 8,505.00	\$ 5,720.00	\$ 3,705.00	N	\$ 20,150.00	
Somat Engineering, Inc.	\$ 200.08	\$ 2,307.52	\$ 914.48	\$ 307.76	Y	\$ 3,728.84	
Surveying Solutions, Inc.					N	\$ -	
<b>FIXED FEE</b>	\$ 6,284.27	\$ 13,775.22	\$ 9,198.07	\$ 4,975.98		\$ 34,233.45	
Parsons Brinckerhoff Michigan, Inc.	\$ 4,958.75	\$ 10,343.02	\$ 7,316.02	\$ 4,467.70	N	\$ 27,085.50	
Somat Engineering, Inc.	\$ 652.42	\$ 1,989.22	\$ 894.77	\$ 508.18	Y	\$ 4,024.59	
Surveying Solutions, Inc.	\$ 673.10	\$ 1,462.98	\$ 987.28	\$ -	N	\$ 3,123.38	
<b>TOTAL COSTS SUMMARY</b>	<b>119577A</b>	<b>Livernois SS</b>	<b>121508A</b>	<b>123587A</b>		<b>Total</b>	
Parsons Brinckerhoff Michigan, Inc.	\$ 54,258.34	\$ 110,875.52	\$ 79,545.30	\$ 48,788.13		\$ 293,467.30	
Somat Engineering, Inc.	\$ 6,783.56	\$ 22,178.73	\$ 9,943.55	\$ 5,435.79		\$ 44,341.63	
Surveying Solutions, Inc.	\$ 6,792.19	\$ 14,762.83	\$ 9,962.52	\$ -		\$ 31,517.54	
	\$ -	\$ -	\$ -	\$ -		\$ -	
<b>TOTAL COSTS</b>	\$ 67,834.09	\$ 147,817.09	\$ 99,451.37	\$ 54,223.93		\$ 369,326.47	

## Exhibit B

### SUMMARY OF TOTAL PROJECT COSTS BY JOB NUMBER

SUMMARY OF TOTAL PROJECT COSTS BY JOB NUMBER							
MDOT CONTROL SECTION(S) - JOB NUMBER(S):				CONTRACT / AUTHORIZATION NUMBER:			
CS: Various JN: Various							
PRIME CONSULTANT NAME:		DBE Goal:		PROJECT DESCRIPTION:			
Parsons Brinckerhoff Michigan, Inc.				Detroit CE&I			
	Job Number 123169A	Job Number 123844A	Job Number	Job Number	DBE (Y if DBE)	Page 4 Total	% of Contract
<b>HOURS</b>	x 3,598	x 6,675	x -	x -		10,273	
Parsons Brinckerhoff Michigan, Inc.	2,825	5,325	-	-	N	8,150	
Somat Engineering, Inc.	773	1,350	-	-	Y	2,123	
Surveying Solutions, Inc.			-	-	N	-	
<b>DIRECT LABOR</b>	\$ 107,531.05	\$ 198,529.79	\$ -	\$ -		\$ 306,060.84	
Parsons Brinckerhoff Michigan, Inc.	\$ 96,889.85	\$ 179,277.39	-	-	N	\$ 276,167.24	
Somat Engineering, Inc.	\$ 10,641.20	\$ 19,252.40	-	-	Y	\$ 29,893.60	
Surveying Solutions, Inc.			-	-	N	\$ -	
<b>OVERHEAD</b>	\$ 133,035.60	\$ 245,270.62	\$ -	\$ -		\$ 378,306.23	
Parsons Brinckerhoff Michigan, Inc.	\$ 111,423.33	\$ 206,169.00	-	-	N	\$ 317,592.33	
Somat Engineering, Inc.	\$ 21,612.28	\$ 39,101.62	-	-	Y	\$ 80,713.90	
Surveying Solutions, Inc.			-	-	N	\$ -	
<b>DIRECT EXPENSES</b>	\$ 18,632.32	\$ 35,260.80	\$ -	\$ -		\$ 53,893.12	
Parsons Brinckerhoff Michigan, Inc.	\$ 11,534.00	\$ 20,834.00	-	-	N	\$ 32,368.00	
Somat Engineering, Inc.	\$ 7,098.32	\$ 14,426.80	-	-	Y	\$ 21,525.12	
Surveying Solutions, Inc.			-	-	N	\$ -	
<b>FIXED FEE</b>	\$ 26,462.33	\$ 48,818.05	\$ -	\$ -		\$ 75,280.38	
Parsons Brinckerhoff Michigan, Inc.	\$ 22,814.45	\$ 42,399.10	-	-	N	\$ 65,313.55	
Somat Engineering, Inc.	\$ 3,547.88	\$ 6,418.94	-	-	Y	\$ 9,906.83	
Surveying Solutions, Inc.			-	-	N	\$ -	
<b>TOTAL COSTS SUMMARY</b>	<b>123169A</b>	<b>123844A</b>				<b>Total</b>	
Parsons Brinckerhoff Michigan, Inc.	\$ 242,781.63	\$ 448,879.49	\$ -	\$ -		\$ 691,441.12	
Somat Engineering, Inc.	\$ 42,899.68	\$ 79,199.76	\$ -	\$ -		\$ 122,099.45	
Surveying Solutions, Inc.	\$ -	\$ -	\$ -	\$ -		\$ -	
	\$ -	\$ -	\$ -	\$ -		\$ -	
<b>TOTAL COSTS</b>	\$ 285,681.31	\$ 527,879.25	\$ -	\$ -		\$ 813,560.57	

## Exhibit B

### SUMMARY OF PRIME CONSULTANT TOTAL COSTS PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc. (All Projects)							
DERIVATION OF PRIME CONSULTANT COSTS							
Summary of all Prime Costs for ALL JOB NUMBERS (including phases) for all services provided.							
MDOT CONTROL SECTION(S) - JOB NUMBER(S):  All Projects			CONTRACT / AUTHORIZATION #:		FIRM ROLE:  Prime		
PRIME CONSULTANT NAME:  Parsons Brinckerhoff Michigan, Inc.			PROJECT DESCRIPTION:  Detroit CE&I 2014-15				
<b>PRIME DIRECT LABOR:</b>							
CLASSIFICATION	CODE	HOURS	x	RATE	=	Labor Cost	
<i>Field Staff</i>							
PE/PM	Mike Frankhouse	835	x	\$ 65.98	=	\$ 54,984.75	
Asst. PE	John Stevenson	720	x	\$ 56.00	=	\$ 40,320.00	
Asst. PE	Ian Duncan	1005	x	\$ 38.05	=	\$ 38,240.25	
Office Engineer	Jamie Fossitt	1130	x	\$ 45.65	=	\$ 51,471.50	
Office Tech.	Carly Taylor	1802	x	\$ 30.39	=	\$ 48,684.78	
Lead Road Inspector	Kevin Roberts	635	x	\$ 35.00	=	\$ 22,225.00	
Lead Traffic Inspector	Jason Handley	1349	x	\$ 26.50	=	\$ 36,446.50	
Senior Inspector	Andy Jenkin	1438	x	\$ 38.16	=	\$ 54,874.08	
Senior Inspector	Chris Azelborn	1716	x	\$ 39.15	=	\$ 67,142.25	
Senior Inspector	Phil Wills	1265	x	\$ 38.31	=	\$ 48,462.15	
Inspector	Chris Jefferson	1386	x	\$ 29.07	=	\$ 40,291.02	
Inspector	Mary Crowl	637	x	\$ 39.90	=	\$ 25,416.30	
Inspector	Mike Fowler	1552	x	\$ 31.41	=	\$ 48,748.32	
Inspector	Kwame Ireland	385	x	\$ 30.39	=	\$ 11,700.15	
Inspector	TBD	1783	x	\$ 25.00	=	\$ 44,575.00	
Inspector	TBD	1345	x	\$ 25.00	=	\$ 33,625.00	
Co-op	TBD	189	x	\$ 17.00	=	\$ 3,213.00	
Co-op	TBD	295	x	\$ 17.00	=	\$ 5,016.00	
Co-op	TBD	848	x	\$ 17.00	=	\$ 14,382.00	
Co-op	TBD	385	x	\$ 17.00	=	\$ 6,545.00	
Co-op	TBD	300	x	\$ 17.00	=	\$ 5,100.00	
Co-op	TBD		x	\$ 17.00	=	\$ -	
		<b>Total Hours</b>		<b>20787.0</b>			<b>Total Labor \$ 703,462.05</b>
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
		Field Rate		115.00%			Field Overhead \$ 808,981.38
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
Item	Quantity	@	Unit Price	Unit	=	Item Price	
Lease Vehicles (EXH. A)	139.5	@	\$ 600.00	Month	=	\$ 83,700.00	
Lease Computers (EXH. A)	139.5	@	\$ 50.00	Month	=	\$ 6,975.00	
Personal Mileage	700.0	@	\$ 0.560	Mile	=	\$ 382.00	
Field / Safety Supplies	51.0	@	\$ 100.00	Each	=	\$ 5,100.00	
Office Supplies	10.0	@	\$ 100.00	Each	=	\$ 1,000.00	
Printing / Reproduction	2,700.0	@	\$ 0.10	Each	=	\$ 270.00	
Postage	28.0	@	\$ 10.00	Each	=	\$ 280.00	
Parking	440.0	@	\$ 5.00	Each	=	\$ 2,200.00	
<b>Total Other Direct Expenses \$</b>							<b>99,817.00</b>
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
		Fixed Fee Rate:		11%			Total Fixed Fee \$ 166,368.77
<b>PRIME TOTAL COSTS SUMMARY \$</b>							<b>1,778,729.18</b>

**Exhibit B**  
**SUMMARY OF PRIME CONSULTANT TOTAL COSTS**  
**PARSONS BRINCKERHOFF MICHIGAN, INC.**

**CITY OF DETROIT CE & I 2014-2015 PRICE PROPOSAL**  
**EXHIBIT A (NOTES RELATED TO DIRECT EXPENSES)**

**All direct expenses are based on actual costs with no mark-ups.**

**Leased Vehicles:** The \$600.00/month is an estimate of the operated cost/month for each vehicle. Operated cost includes the vehicle lease cost, gasoline cost, and maintenance costs such as oil changes, etc. for each vehicle. These costs are not included in Parsons Brinckerhoff's Field Overhead Rate.

**Lease Computers:** The \$50.00/month is an estimate of the leased cost of each laptop computer used on the project. The laptop is dedicated to the project and leased from an outside source. The cost/month includes operating software. This cost is not included in Parsons Brinckerhoff's Field Overhead Rate.

## Exhibit B

### SUMMARY OF SUBCONSULTANT TOTAL COSTS SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc. (All Projects)</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
Summary of all Sub Costs for <u>ALL JOB NUMBERS</u> (including phases) for <u>all</u> services provided. Use additional pages as necessary.						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE:		
All Projects				Sub Tier 1		
SUBCONSULTANT NAME:		PROJECT DESCRIPTION:				
Somat Engineering, Inc.		Detroit CE&I				
<b>DIRECT LABOR:</b>						
<i>NAME AND/OR CLASSIFICATION</i>	<i>HOURS</i>	<i>x</i>	<i>HOURLY RATE</i>	<i>=</i>	<i>\$</i>	<i>Labor Cost</i>
Senior QA/QC Specialist Sharmyn Elliott	9	x	\$ 60.10	=	\$	540.90
Project Manager Jason Lukasik	50	x	\$ 35.50	=	\$	1,775.00
Project Engineer Philippe Ledent	263	x	\$ 23.40	=	\$	6,154.20
Laboratory Technician Brian Gondek	285	x	\$ 23.00	=	\$	6,555.00
Field Eng Tech 1 Marc Ledent	405	x	\$ 13.50	=	\$	5,467.50
Field Eng Tech 2 Eric Lehman	1195	x	\$ 11.00	=	\$	13,145.00
Field Eng Tech 3 Regan Jeter	448	x	\$ 16.00	=	\$	7,136.00
Field Eng Tech 4 Nich Suchy	1959	x	\$ 11.00	=	\$	21,549.00
Office Technician Celestina Elliott	173	x	\$ 19.00	=	\$	3,287.00
Clerical Jodi Mills	63	x	\$ 16.00	=	\$	1,008.00
Total Hours:			<u>4,848.00</u>	Total Labor \$		<u>66,617.60</u>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:			<u>203.10%</u>	Total Overhead \$		<u>135,300.35</u>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<i>Items</i>	<i>Quantity</i>	<i>@</i>	<i>Unit Price</i>	<i>Unit</i>	<i>=</i>	<i>Item Price</i>
Nuclear Densometer Rental	135.00		\$ 60.00	per day	=	\$ 8,100.00
Mileage	3,487.00		\$ 0.56	per mile	=	\$ 1,941.52
Laboratory Rental	47.00		\$ 150.00	per day	=	\$ 7,050.00
Vehicle Usage	58.00		\$ 350.00	per week	=	\$ 19,600.00
Total Other Direct Expenses \$						<u>36,691.52</u>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:			<u>11%</u>	Total Fixed Fee \$		<u>22,210.97</u>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<u>260,820.44</u>

## Exhibit B

### SUMMARY OF SUBCONSULTANT TOTAL COSTS SURVEYING SOLUTIONS, INC.

<b>Surveying Solutions, Inc. (All Projects)</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
Summary of all Sub Costs for <u>ALL JOB NUMBERS</u> (Including phases) for <u>all</u> services provided. Use additional pages as necessary.						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE:		
All Projects				Sub Tier 1		
SUBCONSULTANT NAME:			PROJECT DESCRIPTION:			
Surveying Solutions, Inc.			Detroit CE&I			
<b>DIRECT LABOR:</b>						
NAME AND/OR CLASSIFICATION		HOURS	x	HOURLY RATE	=	Labor Cost
Project Surveyor	Anthony Thelen	206		\$ 46.00	\$	9,476.00
Senior Crew Chief	Randall Heiss	413		\$ 30.50	\$	12,596.50
Senior Crew Chief 1	Matthew Schuelke	199		\$ 25.50	\$	5,074.50
Survey Technician	Jacob Staley	583		\$ 17.00	\$	9,911.00
Total Hours:		<u>1,401.00</u>		Total Labor	\$	<u>37,058.00</u>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<u>188.50%</u>		Total Overhead	\$	<u>69,854.33</u>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<u>11%</u>		Total Fixed Fee	\$	<u>11,760.36</u>
<b>SUB TOTAL COSTS SUMMARY</b>					\$	<b>118,672.69</b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN 123175A PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTIONS - JOB NUMBER(S): <b>123175A</b>				CONTRACT / AUTHORIZATION #:		PRIME ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>Lane Markings</b>			
<b>PRIME DIRECT LABOR:</b>							
CLASSIFICATION	CODE	HOURS	x	RATE	=	Labor Cost	
PE/PM	Mike Frankhouse	25	x	\$ 65.85	=	\$	1,646.25
Asst. PE	John Stevenson	50	x	\$ 58.00	=	\$	2,800.00
Asst. PE	Ian Duncan		x	\$ 38.05	=	\$	-
Office Engineer	Jamie Fossitt	50	x	\$ 45.55	=	\$	2,277.50
Office Tech.	Carly Taylor	50	x	\$ 30.39	=	\$	1,519.50
Lead Road Inspector	Kevin Roberts		x	\$ 35.00	=	\$	-
Lead Traffic Inspector	Jason Handley		x	\$ 28.50	=	\$	-
Senior Inspector	Andy Jenkin		x	\$ 38.16	=	\$	-
Senior Inspector	Chris Azeiborn	100	x	\$ 39.15	=	\$	3,915.00
Senior Inspector	Phil Wills		x	\$ 38.31	=	\$	-
Inspector	Chris Jefferson		x	\$ 29.07	=	\$	-
Inspector	Mary Crowl	290	x	\$ 39.90	=	\$	11,571.00
Inspector	Mike Fowler		x	\$ 31.41	=	\$	-
Inspector	Kwame Ireland		x	\$ 30.39	=	\$	-
Inspector	TBD		x	\$ 25.00	=	\$	-
Inspector	TBD		x	\$ 25.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD	20	x	\$ 17.00	=	\$	340.00
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Total Hours:		585.0		Total Labor \$			24,089.25
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
Overhead Rate:		115.00%		Total Overhead \$			27,678.84
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
Items	Quantity	@	\$	Unit Price	Unit	=	Item Price
Lease Vehicles (EXH. A)	6.0	@	\$	600.00	Month	=	\$ 3,600.00
Lease Computers (EXH. A)	6.0	@	\$	50.00	Month	=	\$ 300.00
Personal Mileage	100.0	@	\$	0.560	Mile	=	\$ 56.00
Field / Safety Supplies	3.0	@	\$	100.00	Each	=	\$ 300.00
Office Supplies	1.0	@	\$	100.00	Each	=	\$ 100.00
Printing / Reproduction	100.0	@	\$	0.10	Each	=	\$ 10.00
Postage		@	\$	10.00	Each	=	\$ -
Parking	50.00	@	\$	5.00	Each	=	\$ 250.00
Total Other Direct Expenses \$							4,816.00
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
Fixed Fee Rate:		11%		Total Fixed Fee \$			5,882.38
<b>PRIME TOTAL COSTS SUMMARY \$</b>							<b>62,057.27</b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN 119576A PARSONS BRINCKERHOFF MICHIGAN, INC.

<b>Parsons Brinckerhoff Michigan, Inc.</b>							
<b>DERIVATION OF PRIME CONSULTANT COSTS</b>							
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>119576A</b>			CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Prime</b>		
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>			PROJECT DESCRIPTION: <b>Safety, Chalmers to Hayes</b>				
<b>PRIME DIRECT LABOR:</b>							
<b>CLASSIFICATION</b>	<b>CODE</b>	<b>HOURS</b>	<b>x</b>	<b>RATE</b>	<b>=</b>	<b>Labor Cost</b>	
PE/IPM	Mike Frankhouse	10	x	\$ 65.85	= \$	658.50	
Asst. PE	John Stevenson	10	x	\$ 56.00	= \$	560.00	
Asst. PE	Ian Duncan		x	\$ 36.05	= \$	-	
Office Engineer	Jamie Fossitt	22	x	\$ 45.55	= \$	1,002.10	
Office Tech.	Carly Taylor	22	x	\$ 30.39	= \$	668.58	
Lead Road Inspector	Kevin Roberts		x	\$ 35.00	= \$	-	
Lead Traffic Inspector	Jason Handley	135	x	\$ 28.50	= \$	3,847.50	
Senior Inspector	Andy Jenkin	25	x	\$ 38.18	= \$	954.00	
Senior Inspector	Chris Azelborn		x	\$ 39.15	= \$	-	
Senior Inspector	Phil Wills	135	x	\$ 38.31	= \$	5,171.85	
Inspector	Chris Jefferson	11	x	\$ 29.07	= \$	319.77	
Inspector	Mary Crowl		x	\$ 39.90	= \$	-	
Inspector	Mike Fowler		x	\$ 31.41	= \$	-	
Inspector	Kwame Ireland		x	\$ 30.39	= \$	-	
Inspector	TBD	25	x	\$ 25.00	= \$	625.00	
Inspector	TBD	25	x	\$ 25.00	= \$	625.00	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
<b>Total Hours:</b>		<b>420.0</b>		<b>Total Labor \$</b>		<b>14,432.30</b>	
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
Overhead Rate:		<u>115.00%</u>		<b>Total Overhead \$</b>		<b>16,597.15</b>	
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
<b>Items</b>	<b>Quantity</b>	<b>@</b>	<b>Unit Price</b>	<b>Unit</b>	<b>=</b>	<b>Item Price</b>	
Lease Vehicles (EXH. A)	3.5	@	\$ 600.00	Month	= \$	2,100.00	
Lease Computers (EXH. A)	3.5	@	\$ 50.00	Month	= \$	175.00	
Personal Mileage		@	\$ 0.560	Mile	= \$	-	
Field / Safety Supplies	3.0	@	\$ 100.00	Each	= \$	300.00	
Office Supplies		@	\$ 100.00	Each	= \$	-	
Printing / Reproduction	100.0	@	\$ 0.10	Each	= \$	10.00	
Postage	2.0	@	\$ 10.00	Each	= \$	20.00	
Parking	20.00	@	\$ 5.00	Each	= \$	100.00	
<b>Total Other Direct Expenses \$</b>						<b>2,705.00</b>	
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
Fixed Fee Rate:		<u>11%</u>		<b>Total Fixed Fee \$</b>		<b>3,413.24</b>	
<b>PRIME TOTAL COSTS SUMMARY \$</b>						<b>37,147.69</b>	

## Exhibit B

### SUMMARY OF SUBCONSULTANT COSTS FOR MDOT JN 119576A SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
<b>MDOT CONTROL SECTION(S) - JOB NUMBER(S):</b>			<b>CONTRACT / AUTHORIZATION #:</b>		<b>FIRM ROLE:</b>	
119576A					Sub Tier 1	
<b>SUBCONSULTANT NAME:</b>			<b>PROJECT DESCRIPTION:</b>			
Somat Engineering, Inc.			Safety, Chalmers to Hayes			
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>	<b>HOURS</b>		<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Senior QA/QC Specialist Sharmyn Elliott			x	\$ 60.10	= \$	-
Project Manager Jason Lukasik	1		x	\$ 35.50	= \$	35.50
Project Engineer Philippe Ledent	5		x	\$ 23.40	= \$	117.00
Laboratory Technician Brian Gondek	2		x	\$ 23.00	= \$	46.00
Field Eng Tech 1 Marc Ledent	5		x	\$ 13.50	= \$	67.50
Field Eng Tech 2 Eric Lehman			x	\$ 11.00	= \$	-
Field Eng Tech 3 Regan Jeter	52		x	\$ 16.00	= \$	832.00
Field Eng Tech 4 Nich Suchy	15		x	\$ 11.00	= \$	165.00
Office Technician Celestina Elliott	2		x	\$ 19.00	= \$	38.00
Clerical Jodi Mills	1		x	\$ 16.00	= \$	16.00
Total Hours:		<u>83.00</u>		Total Labor \$		<u>1,317.00</u>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<u>203.10%</u>		Total Overhead \$		<u>2,674.83</u>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<b>Items</b>	<b>Quantity</b>	<b>@</b>	<b>Unit Price</b>	<b>Unit</b>	<b>=</b>	<b>Item Price</b>
Nuclear Densometer Rental	2.00		\$ 60.00	per day	= \$	120.00
Mileage	165.00		\$ 0.56	per mile	= \$	92.40
Laboratory Rental			\$ 150.00	per day	= \$	-
Vehicle Useage			\$ 350.00	per week	= \$	-
Total Other Direct Expenses \$						<u>212.40</u>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<u>11%</u>		Total Fixed Fee \$		<u>438.10</u>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b><u>4,643.33</u></b>

**Exhibit B**  
**SUMMARY OF SUBCONSULTANT COSTS**  
**FOR MDOT JN 119576A**  
**SURVEYING SOLUTIONS, INC.**

<b>Surveying Solutions, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
<b>MDOT CONTROL SECTION(S) - JOB NUMBER(S):</b>		<b>CONTRACT / AUTHORIZATION #:</b>		<b>FIRM ROLE:</b>		
119576A				Sub Tier 1		
<b>SUBCONSULTANT NAME:</b>			<b>PROJECT DESCRIPTION:</b>			
Surveying Solutions, Inc.			Safety, Chalmers to Hayes			
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>		<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Project Surveyor	Anthony Thelen	6		\$ 46.00	\$	276.00
Senior Crew Chief	Randall Heiss			\$ 30.50	\$	-
Senior Crew Chief 1	Matthew Schuelke	28		\$ 25.50	\$	714.00
Survey Technician	Jacob Staley	28		\$ 17.00	\$	476.00
Total Hours:		62		Total Labor \$		1,466.00
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		188.50%		Total Overhead \$		2,763.41
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		11%		Total Fixed Fee \$		465.24
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b>4,694.65</b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN 119577A PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>119577A</b>				CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>Safety, Houston to Fenkell</b>			
<b>PRIME DIRECT LABOR:</b>							
<i>CLASSIFICATION</i>	<i>CODE</i>	<i>HOURS</i>	<i>X</i>	<i>RATE</i>	<i>=</i>	<i>Labor Cost</i>	
PE/PM	Mike Frankhouse	15	x	\$ 65.85	= \$	987.75	
Asst. PE	John Stevenson	15	x	\$ 56.00	= \$	840.00	
Asst. PE	Ian Duncan		x	\$ 38.05	= \$	-	
Office Engineer	Jamie Fossett	30	x	\$ 45.55	= \$	1,366.50	
Office Tech.	Carly Taylor	30	x	\$ 30.39	= \$	911.70	
Lead Road Inspector	Kevin Roberts		x	\$ 35.00	= \$	-	
Lead Traffic Inspector	Jason Handley	175	x	\$ 28.50	= \$	4,987.50	
Senior Inspector	Andy Jenkin	30	x	\$ 38.16	= \$	1,144.80	
Senior Inspector	Chris Azelborn		x	\$ 39.15	= \$	-	
Senior Inspector	Phil Wills	190	x	\$ 38.31	= \$	7,278.90	
Inspector	Chris Jefferson	30	x	\$ 29.07	= \$	872.10	
Inspector	Mary Crowl		x	\$ 39.90	= \$	-	
Inspector	Mike Fowler		x	\$ 31.41	= \$	-	
Inspector	Kwame Ireland		x	\$ 30.39	= \$	-	
Inspector	TBD	63	x	\$ 25.00	= \$	1,575.00	
Inspector	TBD		x	\$ 25.00	= \$	-	
Co-op	TBD	59	x	\$ 17.00	= \$	1,003.00	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
		<b>Total Hours:</b>	<b>637.0</b>			<b>Total Labor \$</b>	<b>20,967.25</b>
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
		<b>Overhead Rate:</b>	<b>115.00%</b>			<b>Total Overhead \$</b>	<b>24,112.34</b>
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
<i>Items</i>	<i>Quantity</i>	<i>@</i>	<i>Unit Price</i>	<i>Unit</i>	<i>=</i>	<i>Item Price</i>	
Lease Vehicles (EXH. A)	6.0	@	\$ 600.00	Month	= \$	3,600.00	
Lease Computers (EXH. A)	6.0	@	\$ 50.00	Month	= \$	300.00	
Personal Mileage		@	\$ 0.580	Mile	= \$	-	
Field / Safety Supplies	2.0	@	\$ 100.00	Each	= \$	200.00	
Office Supplies		@	\$ 100.00	Each	= \$	-	
Printing / Reproduction	100.0	@	\$ 0.10	Each	= \$	10.00	
Postage	1.0	@	\$ 10.00	Each	= \$	10.00	
Parking	20.00	@	\$ 5.00	Each	= \$	100.00	
						<b>Total Other Direct Expenses \$</b>	<b>4,220.00</b>
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
		<b>Fixed Fee Rate:</b>	<b>11%</b>			<b>Total Fixed Fee \$</b>	<b>4,958.75</b>
						<b>PRIME TOTAL COSTS SUMMARY \$</b>	<b>54,258.34</b>

## Exhibit B

### SUMMARY OF SUBCONSULTANT COSTS FOR MDOT JN 119577A SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>119577A</b>			CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Sub Tier 1</b>	
SUBCONSULTANT NAME: <b>Somat Engineering, Inc.</b>			PROJECT DESCRIPTION: <b>Safety, Houston to Fenkell</b>			
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>		<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Senior QA/QC Specialist	Sharmyn Elliott		x	\$ 60.10	= \$	-
Project Manager	Jason Lukasik	1	x	\$ 35.50	= \$	35.50
Project Engineer	Phillippe Ledent	7	x	\$ 23.40	= \$	163.80
Laboratory Technician	Brian Gondek	2	x	\$ 23.00	= \$	46.00
Field Eng Tech 1	Marc Ledent	5	x	\$ 13.50	= \$	67.50
Field Eng Tech 2	Eric Lehman	6	x	\$ 11.00	= \$	66.00
Field Eng Tech 3	Regan Jeter	80	x	\$ 16.00	= \$	1,280.00
Field Eng Tech 4	Nich Suchy	17	x	\$ 11.00	= \$	187.00
Office Technician	Celestina Elliott	5	x	\$ 19.00	= \$	95.00
Clerical	Jodi Millis	1	x	\$ 16.00	= \$	16.00
Total Hours:		<b>124.00</b>				<b>Total Labor \$ 1,956.80</b>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<b>203.10%</b>				<b>Total Overhead \$ 3,974.26</b>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<b>Items</b>	<b>Quantity</b>	<b>@</b>	<b>Unit Price</b>	<b>Unit</b>	<b>=</b>	<b>Item Price</b>
Nuclear Densometer Rental	2.00		\$ 60.00 per day		= \$	120.00
Mileage	143.00		\$ 0.56 per mile		= \$	80.08
Laboratory Rental			\$ 150.00 per day		= \$	-
Vehicle Usage			\$ 350.00 per week		= \$	-
Total Other Direct Expenses					<b>\$</b>	<b>200.08</b>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<b>11%</b>				<b>Total Fixed Fee \$ 662.42</b>
<b>SUB TOTAL COSTS SUMMARY</b>					<b>\$</b>	<b>6,783.56</b>

**Exhibit B**  
**SUMMARY OF SUBCONSULTANT COSTS**  
**FOR MDOT JN 119577A**  
**SURVEYING SOLUTIONS, INC.**

<b>Surveying Solutions, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE:		
119577A				Sub Tier 1		
SUBCONSULTANT NAME:			PROJECT DESCRIPTION:			
Surveying Solutions, Inc.			Safety, Houston to Fenkell			
<b>DIRECT LABOR:</b>						
<i>NAME AND/OR CLASSIFICATION</i>						
		<i>HOURS</i>	<i>x</i>	<i>HOURLY RATE</i>	<i>=</i>	<i>Labor Cost</i>
<i>Project Surveyor</i>	<i>Anthony Thelen</i>	11		\$ 46.00	\$	506.00
<i>Senior Crew Chief</i>	<i>Randall Heiss</i>			\$ 30.50	\$	-
<i>Senior Crew Chief 1</i>	<i>Matthew Schuelke</i>	38		\$ 25.50	\$	969.00
<i>Survey Technician</i>	<i>Jacob Staley</i>	38		\$ 17.00	\$	646.00
Total Hours:		87.00		Total Labor \$		2,121.00
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		188.50%		Total Overhead \$		3,998.09
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		11%		Total Fixed Fee \$		673.10
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b>6,792.19</b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN 119578A, PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>119578A</b>				CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>TS, 8 Locations</b>			
<b>PRIME DIRECT LABOR:</b>							
CLASSIFICATION	CODE	HOURS	x	RATE	=	Labor Cost	
PE/PM	Mike Frankhouse	12	x	\$ 66.86	=	\$ 790.20	
Asst. PE	John Stevenson	18	x	\$ 58.00	=	\$ 1,008.00	
Asst. PE	Ian Duncan		x	\$ 38.05	=	\$ -	
Office Engineer	Jamie Fossett	25	x	\$ 48.66	=	\$ 1,138.75	
Office Tech.	Cary Taylor	25	x	\$ 30.39	=	\$ 769.75	
Lead Road Inspector	Kevin Roberts		x	\$ 35.00	=	\$ -	
Lead Traffic Inspector	Jason Handley	180	x	\$ 28.50	=	\$ 5,130.00	
Senior Inspector	Andy Jenkin	20	x	\$ 38.16	=	\$ 763.20	
Senior Inspector	Chris Azelborn		x	\$ 39.15	=	\$ -	
Senior Inspector	Phil Wills	180	x	\$ 38.31	=	\$ 6,895.80	
Inspector	Chris Jefferson		x	\$ 29.07	=	\$ -	
Inspector	Mary Crowl		x	\$ 39.90	=	\$ -	
Inspector	Mike Fowler		x	\$ 31.41	=	\$ -	
Inspector	Kwame Ireland		x	\$ 30.39	=	\$ -	
Inspector	TBD	95	x	\$ 25.00	=	\$ 2,375.00	
Inspector	TBD		x	\$ 25.00	=	\$ -	
Co-op	TBD		x	\$ 17.00	=	\$ -	
Co-op	TBD		x	\$ 17.00	=	\$ -	
Co-op	TBD	48	x	\$ 17.00	=	\$ 782.00	
Co-op	TBD		x	\$ 17.00	=	\$ -	
Co-op	TBD		x	\$ 17.00	=	\$ -	
Co-op	TBD		x	\$ 17.00	=	\$ -	
<b>Total Hours:</b>		<b>601.0</b>		<b>Total Labor \$</b>		<b>19,642.70</b>	
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
Overhead Rate:		115.00%		Total Overhead \$		22,689.11	
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
Items	Quantity	@	Unit Price	Unit	=	Item Price	
Lease Vehicles (EXH. A)	4.5	@	\$ 600.00	Month	=	\$ 2,700.00	
Lease Computers (EXH. A)	4.5	@	\$ 50.00	Month	=	\$ 225.00	
Personal Mileage		@	\$ 0.560	Mile	=	\$ -	
Field / Safety Supplies	1.0	@	\$ 100.00	Each	=	\$ 100.00	
Office Supplies	-	@	\$ 100.00	Each	=	\$ -	
Printing / Reproduction	200.0	@	\$ 0.10	Each	=	\$ 20.00	
Postage	-	@	\$ 10.00	Each	=	\$ -	
Parking	15.00	@	\$ 5.00	Each	=	\$ 75.00	
<b>Total Other Direct Expenses \$</b>						<b>3,120.00</b>	
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
Fixed Fee Rate:		11%		Total Fixed Fee \$		4,848.60	
<b>PRIME TOTAL COSTS SUMMARY \$</b>						<b>49,997.30</b>	

## Exhibit B

### SUMMARY OF SUB CONSULTANT COSTS FOR MDOT JN 119578A, SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>119578A</b>			CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Sub Tier 1</b>	
SUBCONSULTANT NAME: <b>Somat Engineering, Inc.</b>			PROJECT DESCRIPTION: <b>TS 8 Locations</b>			
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>		<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Senior QA/QC Specialist	Sharmyn Elliott		x	\$ 80.10	= \$	-
Project Manager	Jason Lukasik	1	x	\$ 35.50	= \$	35.50
Project Engineer	Philippe Ledent	4	x	\$ 23.40	= \$	93.60
Laboratory Technician	Brian Gondek	2	x	\$ 23.00	= \$	46.00
Field Eng Tech 1	Marc Ledent	5	x	\$ 13.50	= \$	67.50
Field Eng Tech 2	Eric Lehman	113	x	\$ 11.00	= \$	1,243.00
Field Eng Tech 3	Regan Jeter		x	\$ 16.00	= \$	-
Field Eng Tech 4	Nich Suchy		x	\$ 11.00	= \$	-
Office Technician	Celestina Elliott	5	x	\$ 19.00	= \$	95.00
Clerical	Jodi Mills	2	x	\$ 16.00	= \$	32.00
<b>Total Hours:</b>		<b>132.00</b>		<b>Total Labor \$</b>		<b>1,812.60</b>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
<b>Overhead Rate:</b>		<b>203.10%</b>		<b>Total Overhead \$</b>		<b>3,275.19</b>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<b>Items</b>	<b>Quantity</b>	<b>@</b>	<b>Unit Price</b>	<b>Unit</b>	<b>=</b>	<b>Item Price</b>
Nuclear Densometer Rental	-		\$ 60.00 per day		= \$	-
Mileage	222.00		\$ 0.56 per mile		= \$	124.32
Laboratory Rental	-		\$ 150.00 per day		= \$	-
Vehicle Useage	2.00		\$ 350.00 per week		= \$	700.00
<b>Total Other Direct Expenses \$</b>						<b>824.32</b>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
<b>Fixed Fee Rate:</b>		<b>11%</b>		<b>Total Fixed Fee \$</b>		<b>537.66</b>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b>6,249.77</b>

**Exhibit B**  
**SUMMARY OF SUBCONSULTANT COSTS**  
**FOR MDOT JN 119578A,**  
**SURVEYING SOLUTIONS, INC.**

<b>Surveying Solutions, Inc.</b>					
<b>DERIVATION OF SUBCONSULTANT COSTS</b>					
<b>MDOT CONTROL SECTION(S) - JOB NUMBER(S):</b>		<b>CONTRACT / AUTHORIZATION #:</b>		<b>FIRM ROLE:</b>	
119578A				Sub Tier 1	
<b>SUBCONSULTANT NAME:</b>			<b>PROJECT DESCRIPTION:</b>		
Surveying Solutions, Inc.			TS 8 Locations		
<b>DIRECT LABOR:</b>					
<b>NAME AND/OR CLASSIFICATION</b>	<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Project Surveyor     Anthony Thelen	10		\$ 48.00	\$	460.00
Senior Crew Chief     Randall Heiss	32		\$ 30.50	\$	976.00
Senior Crew Chief 1     Matthew Schuelke			\$ 25.50	\$	-
Survey Technician     Jacob Staley	30		\$ 17.00	\$	510.00
Total Hours: <u>72.00</u>			Total Labor \$		<u>1,946.00</u>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>					
Overhead Rate: <u>188.50%</u>			Total Overhead \$		<u>3,668.21</u>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>					
Fixed Fee Rate: <u>11%</u>			Total Fixed Fee \$		<u>617.56</u>
<b>SUB TOTAL COSTS SUMMARY \$</b>					<b><u>6,231.77</u></b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN 119579A, PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>119579A</b>				CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>Safety, Wyoming</b>			
<b>PRIME DIRECT LABOR:</b>							
CLASSIFICATION	CODE	HOURS	*	RATE	*	*	Labor Cost
PE/PM	Mike Frankhouse	17	x	\$ 65.85	=	\$	1,119.45
Asst. PE	John Stevenson	17	x	\$ 58.00	=	\$	952.00
Asst. PE	Ian Duncan		x	\$ 38.05	=	\$	-
Office Engineer	Jamie Fossitt	20	x	\$ 45.55	=	\$	911.00
Office Tech.	Carly Taylor	20	x	\$ 30.39	=	\$	607.80
Lead Road Inspector	Kevin Roberts		x	\$ 35.00	=	\$	-
Lead Traffic Inspector	Jason Handley	150	x	\$ 28.50	=	\$	4,275.00
Senior Inspector	Andy Jenkin	25	x	\$ 38.16	=	\$	954.00
Senior Inspector	Chris Azeiborn		x	\$ 39.15	=	\$	-
Senior Inspector	Phil Wills	150	x	\$ 38.31	=	\$	5,746.50
Inspector	Chris Jefferson	23	x	\$ 29.07	=	\$	668.61
Inspector	Mary Crowl		x	\$ 38.90	=	\$	-
Inspector	Mike Fowler		x	\$ 31.41	=	\$	-
Inspector	Kwame Ireland		x	\$ 30.39	=	\$	-
Inspector	TBD	55	x	\$ 25.00	=	\$	1,375.00
Inspector	TBD		x	\$ 25.00	=	\$	-
Co-op	TBD	55	x	\$ 17.00	=	\$	935.00
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Total Hours:		532.0					Total Labor \$ 17,544.36
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
Overhead Rate:		115.00%					Total Overhead \$ 20,176.01
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
Items	Quantity	Ⓢ	Unit Price	Unit	=	\$	Item Price
Lease Vehicles (EXH. A)	4.5	Ⓢ	\$ 600.00	Month	=	\$	2,700.00
Lease Computers (EXH. A)	4.5	Ⓢ	\$ 50.00	Month	=	\$	225.00
Personal Mileage		Ⓢ	\$ 0.560	Mile	=	\$	-
Field / Safety Supplies	2.0	Ⓢ	\$ 100.00	Each	=	\$	200.00
Office Supplies		Ⓢ	\$ 100.00	Each	=	\$	-
Printing / Reproduction	100.0	Ⓢ	\$ 0.10	Each	=	\$	10.00
Postage	1.0	Ⓢ	\$ 10.00	Each	=	\$	10.00
Parking	20.00	Ⓢ	\$ 5.00	Each	=	\$	100.00
Total Other Direct Expenses \$							3,245.00
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
Fixed Fee Rate:		11%					Total Fixed Fee \$ 4,149.24
<b>PRIME TOTAL COSTS SUMMARY \$</b>							<b>45,114.62</b>

## Exhibit B

### SUMMARY OF SUBCONSULTANT COSTS FOR MDOT JN 119579A, SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
<b>MDOT CONTROL SECTION(S) - JOB NUMBER(S):</b>			<b>CONTRACT / AUTHORIZATION #:</b>		<b>FIRM ROLE:</b>	
119579A					Sub Tier 1	
<b>SUBCONSULTANT NAME:</b>			<b>PROJECT DESCRIPTION:</b>			
Somat Engineering, Inc.			Safety, Wyoming			
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>	<b>HOURS</b>		<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Senior QA/QC Specialist    Shamyn Elliott			x	\$ 60.10	= \$	-
Project Manager            Jason Lukasik	1		x	\$ 35.50	= \$	35.50
Project Engineer          Philippe Ledent	7		x	\$ 23.40	= \$	163.80
Laboratory Technician    Brian Gondek	2		x	\$ 23.00	= \$	46.00
Field Eng Tech 1          Marc Ledent	5		x	\$ 13.50	= \$	67.50
Field Eng Tech 2          Eric Lehman	6		x	\$ 11.00	= \$	66.00
Field Eng Tech 3          Regan Jeter	65		x	\$ 16.00	= \$	1,040.00
Field Eng Tech 4          Nich Suchy	7		x	\$ 11.00	= \$	77.00
Office Technician        Celestina Elliott	5		x	\$ 19.00	= \$	95.00
Clerical                    Jodi Mills	1		x	\$ 16.00	= \$	16.00
Total Hours:		<u>99.00</u>			Total Labor \$	<u>1,606.80</u>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<u>203.10%</u>			Total Overhead \$	<u>3,263.41</u>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<b>Items</b>	<b>Quantity</b>	<b>@</b>	<b>Unit Price</b>	<b>Unit</b>	<b>=</b>	<b>Item Price</b>
Nuclear Densometer Rental	2.00		\$ 60.00	per day	= \$	120.00
Mileage	203.00		\$ 0.56	per mile	= \$	113.68
Laboratory Rental			\$ 150.00	per day	= \$	-
Vehicle Useage			\$ 350.00	per week	= \$	-
Total Other Direct Expenses \$						<u>233.68</u>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<u>11%</u>			Total Fixed Fee \$	<u>535.72</u>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b><u>5,639.61</u></b>

**Exhibit B**  
**SUMMARY OF SUBCONSULTANT COSTS**  
**FOR MDOT JN 119579A,**  
**SURVEYING SOLUTIONS, INC.**

<b>Surveying Solutions, Inc.</b>					
<b>DERIVATION OF SUBCONSULTANT COSTS</b>					
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE:	
119579A				Sub Tier 1	
SUBCONSULTANT NAME:			PROJECT DESCRIPTION:		
Surveying Solutions, Inc.			Safety, Wyoming		
<b>DIRECT LABOR:</b>					
<b>NAME AND/OR CLASSIFICATION</b>	<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Project Surveyor Anthony Thelen	10		\$ 46.00	\$	460.00
Senior Crew Chief Randall Heiss			\$ 30.50	\$	-
Senior Crew Chief 1 Matthew Schuelke	31		\$ 25.50	\$	790.50
Survey Technician Jacob Staley	30		\$ 17.00	\$	510.00
Total Hours: <u>71.00</u>		Total Labor \$ <u>1,760.50</u>			
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>					
Overhead Rate: <u>188.50%</u>		Total Overhead \$ <u>3,318.54</u>			
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>					
Fixed Fee Rate: <u>11%</u>		Total Fixed Fee \$ <u>558.69</u>			
<b>SUB TOTAL COSTS SUMMARY \$</b>					<b><u>5,637.73</u></b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN 123176A, PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>123176A</b>				CONTRACT / AUTHORIZATION #:		PRIME ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>Intersection Markings</b>			
<b>PRIME DIRECT LABOR:</b>							
<i>CLASSIFICATION</i>	<i>CODE</i>	<i>HOURS</i>	<i>X</i>	<i>RATE</i>	<i>=</i>	<i>\$</i>	<i>Labor Cost</i>
PE/PM	Mike Frankhouse	17	x	\$ 65.85	=	\$	1,119.45
Asst. PE	John Stevenson	30	x	\$ 56.00	=	\$	1,680.00
Asst. PE	Ian Duncan		x	\$ 38.05	=	\$	-
Office Engineer	Jamie Fossitt	30	x	\$ 45.55	=	\$	1,366.50
Office Tech.	Carly Taylor	30	x	\$ 30.39	=	\$	911.70
Lead Road Inspector	Kevin Roberts		x	\$ 35.00	=	\$	-
Lead Traffic Inspector	Jason Handley		x	\$ 28.50	=	\$	-
Senior Inspector	Andy Jenkin		x	\$ 38.16	=	\$	-
Senior Inspector	Chris Azelbom	55	x	\$ 39.15	=	\$	2,153.25
Senior Inspector	Phil Wills		x	\$ 38.31	=	\$	-
Inspector	Chris Jefferson		x	\$ 29.07	=	\$	-
Inspector	Mary Crowl	220	x	\$ 39.00	=	\$	8,778.00
Inspector	Mike Fowler		x	\$ 31.41	=	\$	-
Inspector	Kwame Ireland		x	\$ 30.39	=	\$	-
Inspector	TBD		x	\$ 25.00	=	\$	-
Inspector	TBD		x	\$ 25.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Total Hours:		<b>382.0</b>		Total Labor \$			<b>16,008.90</b>
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
Overhead Rate:		<b>115.0%</b>		Total Overhead \$			<b>18,418.24</b>
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
<i>Items</i>	<i>Quantity</i>	<i>Q</i>	<i>Unit Price</i>	<i>Unit</i>	<i>=</i>	<i>\$</i>	<i>Item Price</i>
Lease Vehicles (EXH. A)	5.0	0	\$ 800.00	Month	=	\$	3,000.00
Lease Computers (EXH. A)	5.0	0	\$ 50.00	Month	=	\$	250.00
Personal Mileage	100.0	0	\$ 0.560	Mile	=	\$	56.00
Field / Safety Supplies	2.0	0	\$ 100.00	Month	=	\$	200.00
Office Supplies	1.0	0	\$ 100.00	Each	=	\$	100.00
Printing / Reproduction	100.0	0	\$ 0.10	Each	=	\$	10.00
Postage	-	0	\$ 10.00	Each	=	\$	-
Parking	50.00	0	\$ 5.00	Each	=	\$	250.00
Total Other Direct Expenses \$							<b>3,956.00</b>
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
Fixed Fee Rate:		<b>11%</b>		Total Fixed Fee \$			<b>3,786.10</b>
<b>PRIME TOTAL COSTS SUMMARY \$</b>							<b>42,071.24</b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN 121508A, PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>121508A</b>				CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>TS, Plymouth</b>			
<b>PRIME DIRECT LABOR:</b>							
<b>CLASSIFICATION</b>	<b>CODE</b>	<b>HOURS</b>	<b>X</b>	<b>RATE</b>	<b>=</b>	<b>Labor Cost</b>	
PE/PM	Mike Frankhouse	28	x	\$ 85.85	= \$	1,843.80	
Asst. PE	John Stevenson	30	x	\$ 58.00	= \$	1,680.00	
Asst. PE	Ian Duncan		x	\$ 38.05	= \$	-	
Office Engineer	Jamie Fossitt	35	x	\$ 45.58	= \$	1,594.25	
Office Tech.	Cary Taylor	35	x	\$ 30.39	= \$	1,063.65	
Lead Road Inspector	Kevin Roberts		x	\$ 35.00	= \$	-	
Lead Traffic Inspector	Jason Handley	250	x	\$ 28.50	= \$	7,125.00	
Senior Inspector	Andy Jenkin	45	x	\$ 38.18	= \$	1,717.20	
Senior Inspector	Chris Azelborn		x	\$ 39.15	= \$	-	
Senior Inspector	Phil Willis	250	x	\$ 38.31	= \$	9,577.50	
Inspector	Chris Jefferson	45	x	\$ 29.07	= \$	1,308.15	
Inspector	Mary Crowl		x	\$ 39.90	= \$	-	
Inspector	Mike Fowler		x	\$ 31.41	= \$	-	
Inspector	Kwame Ireland		x	\$ 30.39	= \$	-	
Inspector	TBD	75	x	\$ 25.00	= \$	1,875.00	
Inspector	TBD	75	x	\$ 25.00	= \$	1,875.00	
Co-op	TBD	75	x	\$ 17.00	= \$	1,275.00	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
		<b>Total Hours:</b>	<b>943.0</b>			<b>Total Labor \$</b>	<b>30,934.65</b>
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
		<b>Overhead Rate:</b>	<b>115.00%</b>			<b>Total Overhead \$</b>	<b>35,574.73</b>
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
<b>Item</b>	<b>Quantity</b>	<b>⊙</b>	<b>Unit Price</b>	<b>Unit</b>	<b>=</b>	<b>Item Price</b>	
Lease Vehicles (EXH. A)	8.0	⊙	\$ 600.00	Month	= \$	4,800.00	
Lease Computers (EXH. A)	8.0	⊙	\$ 50.00	Month	= \$	400.00	
Personal Mileage	-	⊙	\$ 0.560	Mile	= \$	-	
Field / Safety Supplies	3.0	⊙	\$ 100.00	Each	= \$	300.00	
Office Supplies	1.0	⊙	\$ 100.00	Each	= \$	100.00	
Printing / Reproduction	100.0	⊙	\$ 0.10	Each	= \$	10.00	
Postage	1.0	⊙	\$ 10.00	Each	= \$	10.00	
Parking	20.00	⊙	\$ 5.00	Each	= \$	100.00	
						<b>Total Other Direct Expenses \$</b>	<b>5,720.00</b>
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
		<b>Fixed Fee Rate:</b>	<b>11%</b>			<b>Total Fixed Fee \$</b>	<b>7,318.02</b>
						<b>PRIME TOTAL COSTS SUMMARY \$</b>	<b>79,645.30</b>

## Exhibit B

### SUMMARY OF SUBCONSULTANT COSTS FOR MDOT JN 121508A, SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>121508A</b>			CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Sub Tier 1</b>	
SUBCONSULTANT NAME: <b>Somat Engineering, Inc.</b>			PROJECT DESCRIPTION: <b>TS, Plymouth</b>			
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>		<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Senior QA/QC Specialist	Sharmyn Elliott		x	\$ 80.10	= \$	-
Project Manager	Jason Lukasik	1	x	\$ 35.50	= \$	35.50
Project Engineer	Philippe Ledent	13	x	\$ 23.40	= \$	304.20
Laboratory Technician	Brian Gondek	2	x	\$ 23.00	= \$	46.00
Field Eng Tech 1	Marc Ledent	10	x	\$ 13.50	= \$	135.00
Field Eng Tech 2	Eric Lehman	145	x	\$ 11.00	= \$	1,595.00
Field Eng Tech 3	Regan Jeter		x	\$ 16.00	= \$	-
Field Eng Tech 4	Nich Suchy	30	x	\$ 11.00	= \$	330.00
Office Technician	Celestina Elliott	10	x	\$ 19.00	= \$	190.00
Clerical	Jodi Mills	3	x	\$ 16.00	= \$	48.00
<b>Total Hours:</b>		<b>214.00</b>		<b>Total Labor \$</b>		<b>2,683.70</b>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
<b>Overhead Rate:</b>		<b>203.10%</b>		<b>Total Overhead \$</b>		<b>5,450.59</b>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<b>Items</b>	<b>Quantity</b>	<b>@</b>	<b>Unit Price</b>	<b>Unit</b>	<b>=</b>	<b>Item Price</b>
Nuclear Densometer Rental	-		\$ 60.00	per day	= \$	-
Mileage	383.00		\$ 0.56	per mile	= \$	214.48
Laboratory Rental	-		\$ 150.00	per day	= \$	-
Vehicle Usage	2.00		\$ 350.00	per week	= \$	700.00
<b>Total Other Direct Expenses \$</b>						<b>914.48</b>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
<b>Fixed Fee Rate:</b>		<b>11%</b>		<b>Total Fixed Fee \$</b>		<b>894.77</b>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b>9,943.55</b>

**Exhibit B**  
**SUMMARY OF SUBCONSULTANT COSTS**  
**FOR MDOT JN 121508A,**  
**SURVEYING SOLUTIONS, INC.**

<b>Surveying Solutions, Inc.</b>					
<b>DERIVATION OF SUBCONSULTANT COSTS</b>					
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE:	
121508A				Sub Tier 1	
SUBCONSULTANT NAME:			PROJECT DESCRIPTION:		
Surveying Solutions, Inc.			TS, Plymouth		
<b>DIRECT LABOR:</b>					
<b>NAME AND/OR CLASSIFICATION</b>	<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Project Surveyor <i>Anthony Thelen</i>	16		\$     48.00	\$	736.00
Senior Crew Chief <i>Randall Heiss</i>	50		\$     30.50	\$	1,525.00
Senior Crew Chief 1 <i>Matthew Schuelke</i>			\$     25.50	\$	*
Survey Technician <i>Jacob Staley</i>	50		\$     17.00	\$	850.00
Total Hours: <u>          116.00</u>		Total Labor \$ <u>          3,111.00</u>			
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>					
Overhead Rate: <u>          188.50%</u>		Total Overhead \$ <u>          5,864.24</u>			
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>					
Fixed Fee Rate: <u>          11%</u>		Total Fixed Fee \$ <u>          987.28</u>			
SUB TOTAL COSTS SUMMARY \$					<u>          9,962.52</u>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN 122861A, PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>122861A</b>				CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>TS 20 Locations</b>			
<b>PRIME DIRECT LABOR:</b>							
<i>CLASSIFICATION</i>	<i>CODE</i>	<i>HOURS</i>	<i>X</i>	<i>RATE</i>	<i>=</i>	<i>Labor Cost</i>	
PE/PM	Mike Frankhouse	45	X	\$ 65.85	= \$	2,963.25	
Aast. PE	John Stevenson	175	X	\$ 58.00	= \$	9,800.00	
Aast. PE	Ian Duncan		X	\$ 38.05	= \$	-	
Office Engineer	Jamie Fossitt	50	X	\$ 45.55	= \$	2,277.50	
Office Tech.	Carly Taylor	50	X	\$ 30.39	= \$	1,519.50	
Lead Road Inspector	Kevin Roberts		X	\$ 35.00	= \$	-	
Lead Traffic Inspector	Jason Handley	300	X	\$ 28.50	= \$	8,550.00	
Senior Inspector	Andy Jenkin	300	X	\$ 38.16	= \$	11,448.00	
Senior Inspector	Chris Azetboom		X	\$ 39.15	= \$	-	
Senior Inspector	Phil Wills	300	X	\$ 38.31	= \$	11,493.00	
Inspector	Chris Jefferson	114	X	\$ 29.07	= \$	3,313.98	
Inspector	Mary Crowl		X	\$ 39.90	= \$	-	
Inspector	Mike Fowler		X	\$ 31.41	= \$	-	
Inspector	Kwame Ireland		X	\$ 30.39	= \$	-	
Inspector	TBD	100	X	\$ 25.00	= \$	2,500.00	
Inspector	TBD		X	\$ 25.00	= \$	-	
Co-op	TBD		X	\$ 17.00	= \$	-	
Co-op	TBD		X	\$ 17.00	= \$	-	
Co-op	TBD		X	\$ 17.00	= \$	-	
Co-op	TBD		X	\$ 17.00	= \$	-	
Co-op	TBD	100	X	\$ 17.00	= \$	1,700.00	
Co-op	TBD		X	\$ 17.00	= \$	-	
<b>Total Hours:</b>		<b>1534.0</b>		<b>Total Labor \$</b>		<b>55,565.23</b>	
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
Overhead Rate:		<u>115.00%</u>		Total Overhead \$		<b>63,900.01</b>	
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
<i>Items</i>	<i>Quantity</i>	<i>Ⓢ</i>	<i>Unit Price</i>	<i>Unit</i>	<i>=</i>	<i>Item Price</i>	
Lease Vehicles (EXH. A)	13.0	Ⓢ	600.00	Month	= \$	7,800.00	
Lease Computers (EXH. A)	13.0	Ⓢ	50.00	Month	= \$	650.00	
Personal Mileage	-	Ⓢ	0.560	Mile	= \$	-	
Field / Safety Supplies	5.0	Ⓢ	100.00	Each	= \$	500.00	
Office Supplies	1.0	Ⓢ	100.00	Each	= \$	100.00	
Printing / Reproduction	100.0	Ⓢ	0.10	Each	= \$	10.00	
Postage	1.0	Ⓢ	10.00	Each	= \$	10.00	
Parking	20.00	Ⓢ	5.00	Each	= \$	100.00	
<b>Total Other Direct Expenses \$</b>						<b>9,170.00</b>	
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
Fixed Fee Rate:		<u>11%</u>		Total Fixed Fee \$		<b>13,141.18</b>	
<b>PRIME TOTAL COSTS SUMMARY \$</b>						<b>141,776.42</b>	

## Exhibit B

### SUMMARY OF SUBCONSULTANT COSTS FOR MDOT JN 122861A SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>					
<b>DERIVATION OF SUBCONSULTANT COSTS</b>					
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>122861A</b>		CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Sub Tier 1</b>	
SUBCONSULTANT NAME: <b>Somat Engineering, Inc.</b>		PROJECT DESCRIPTION: <b>TS 20 Locations</b>			
<b>DIRECT LABOR:</b>					
<i>NAME AND/OR CLASSIFICATION</i>		<i>HOURS</i>	<i>x</i>	<i>HOURLY RATE</i>	<i>= Labor Cost</i>
Senior QA/QC Specialist	Sharmyn Elliott		x	\$ 60.10	= \$ -
Project Manager	Jason Lukasik	5	x	\$ 35.50	= \$ 177.50
Project Engineer	Philippe Ledent	13	x	\$ 23.40	= \$ 304.20
Laboratory Technician	Brian Gondek	5	x	\$ 23.00	= \$ 115.00
Field Eng Tech 1	Marc Ledent	10	x	\$ 13.50	= \$ 135.00
Field Eng Tech 2	Eric Lehman	75	x	\$ 11.00	= \$ 825.00
Field Eng Tech 3	Regan Jeter	10	x	\$ 16.00	= \$ 160.00
Field Eng Tech 4	Nich Suchy	260	x	\$ 11.00	= \$ 2,880.00
Office Technician	Celestina Elliott	12	x	\$ 19.00	= \$ 228.00
Clerical	Jodi Mills	6	x	\$ 16.00	= \$ 96.00
Total Hours:		<b>396.00</b>		Total Labor \$	<b>4,900.70</b>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>					
Overhead Rate:		<b>203.10%</b>		Total Overhead \$	<b>9,953.32</b>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>					
<i>Items</i>	<i>Quantity</i>	<i>@</i>	<i>Unit Price</i>	<i>Unit</i>	<i>Item Price</i>
Nuclear Densometer Rental	-		\$ 60.00 per day	=	\$ -
Mileage	340.00		\$ 0.56 per mile	=	\$ 190.40
Laboratory Rental			\$ 150.00 per day	=	\$ -
Vehicle Usage	3.00		\$ 350.00 per week	=	\$ 1,050.00
Total Other Direct Expenses \$					<b>1,240.40</b>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>					
Fixed Fee Rate:		<b>11%</b>		Total Fixed Fee \$	<b>1,633.94</b>
<b>SUB TOTAL COSTS SUMMARY \$</b>					<b>17,728.36</b>

**Exhibit B**  
**SUMMARY OF SUBCONSULTANT COSTS**  
**FOR MDOT JN 122861A**  
**SURVEYING SOLUTIONS, INC.**

<b>Surveying Solutions, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE:		
122861A				Sub Tier 1		
SUBCONSULTANT NAME:			PROJECT DESCRIPTION:			
Surveying Solutions, Inc.			TS 20 Locations			
<b>DIRECT LABOR:</b>						
NAME AND/OR CLASSIFICATION		HOURS	x	HOURLY RATE	=	Labor Cost
Project Surveyor	Anthony Thelen	38		\$ 46.00	\$	1,748.00
Senior Crew Chief	Randall Heiss	80		\$ 30.50	\$	2,440.00
Senior Crew Chief 1	Matthew Schuelke			\$ 25.50	\$	-
Survey Technician	Jacob Staley	80		\$ 17.00	\$	1,360.00
Total Hours:		<u>198.00</u>		Total Labor \$		<u>5,548.00</u>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<u>188.50%</u>		Total Overhead \$		<u>10,457.98</u>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<u>11%</u>		Total Fixed Fee \$		<u>1,766.66</u>
<b>SUB TOTAL COSTS SUMMARY \$</b>						
<b><u>17,766.64</u></b>						



**Exhibit B**  
**SUMMARY OF SUBCONSULTANT COSTS**  
**FOR MDOT JN 123169A**  
**SOMAT ENGINEERING, INC.**

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE:		
123169A				Sub Tier 1		
SUBCONSULTANT NAME:		PROJECT DESCRIPTION:				
Somat Engineering, Inc.		HMA Group 1				
<b>DIRECT LABOR:</b>						
<i>NAME AND/OR CLASSIFICATION</i>						
		<i>HOURS</i>	<i>x</i>	<i>HOURLY RATE</i>	<i>=</i>	<i>Labor Cost</i>
Senior QA/QC Specialist	Sharmyn Elliott	2	x	\$ 60.10	= \$	120.20
Project Manager	Jason Lukasik	6	x	\$ 35.50	= \$	213.00
Project Engineer	Phillippe Ledent	45	x	\$ 23.40	= \$	1,053.00
Laboratory Technician	Brian Gondek	80	x	\$ 23.00	= \$	1,840.00
Field Eng Tech 1	Marc Ledent	20	x	\$ 13.50	= \$	270.00
Field Eng Tech 2	Eric Lehman	135	x	\$ 11.00	= \$	1,485.00
Field Eng Tech 3	Regan Jeter	15	x	\$ 16.00	= \$	240.00
Field Eng Tech 4	Nich Suchy	435	x	\$ 11.00	= \$	4,785.00
Office Technician	Celestina Elliott	25	x	\$ 19.00	= \$	475.00
Clerical	Jodi Mills	10	x	\$ 16.00	= \$	160.00
		Total Hours:		773.00	Total Labor \$	10,641.20
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
		Overhead Rate:		203.10%	Total Overhead \$	21,612.28
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<i>Items</i>	<i>Quantity</i>	<i>@</i>	<i>Unit Price</i>	<i>Unit</i>	<i>=</i>	<i>Item Price</i>
Nuclear Densometer Rental	19.00		\$ 60.00	per day	= \$	1,140.00
Mileage	372.00		\$ 0.56	per mile	= \$	208.32
Laboratory Rental	15.00		\$ 150.00	per day	= \$	2,250.00
Vehicle Useage	10.00		\$ 350.00	per week	= \$	3,500.00
					Total Other Direct Expenses \$	7,098.32
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
		Fixed Fee Rate:		11%	Total Fixed Fee \$	3,547.88
					<b>SUB TOTAL COSTS SUMMARY \$</b>	<b>42,899.68</b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN 123587A PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>123587A</b>				CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>Jefferson Streetscape</b>			
<b>PRIME DIRECT LABOR:</b>							
<b>CLASSIFICATION</b>	<b>CODE</b>	<b>HOURS</b>	<b>x</b>	<b>RATE</b>	<b>=</b>	<b>Labor Cost</b>	
PE/PM	Mike Frankhouse	30	x	\$ 85.85	= \$	1,975.50	
Asst. PE	John Stevenson	50	x	\$ 56.00	= \$	2,800.00	
Asst. PE	Ian Duncan		x	\$ 38.05	= \$	-	
Office Engineer	Jamie Fossitt	53	x	\$ 45.55	= \$	2,414.15	
Office Tech.	Carly Taylor	75	x	\$ 30.39	= \$	2,279.25	
Lead Road Inspector	Kevin Roberts		x	\$ 35.00	= \$	-	
Lead Traffic Inspector	Jason Handley		x	\$ 28.50	= \$	-	
Senior Inspector	Andy Jenkin	50	x	\$ 38.16	= \$	1,908.00	
Senior Inspector	Chris Azelborn		x	\$ 39.15	= \$	-	
Senior Inspector	Phil Wills		x	\$ 38.31	= \$	-	
Inspector	Chris Jefferson	200	x	\$ 29.07	= \$	5,814.00	
Inspector	Mary Crowl		x	\$ 39.90	= \$	-	
Inspector	Mike Fowler		x	\$ 31.41	= \$	-	
Inspector	Kwame Ireland		x	\$ 30.39	= \$	-	
Inspector	TBD		x	\$ 25.00	= \$	-	
Inspector	TBD		x	\$ 25.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD	100	x	\$ 17.00	= \$	1,700.00	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
<b>Total Hours:</b>		<b>558.0</b>		<b>Total Labor \$</b>		<b>18,890.90</b>	
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
<b>Overhead Rate:</b>		<b>115.00%</b>		<b>Total Overhead \$</b>		<b>21,724.54</b>	
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
<b>Items</b>	<b>Quantity</b>	<b>⊙</b>	<b>Unit Price</b>	<b>Unit</b>	<b>= \$</b>	<b>Item Price</b>	
Lease Vehicles (EXH. A)	5.0	⊙	\$ 600.00	Month	= \$	3,000.00	
Lease Computers (EXH. A)	5.0	⊙	\$ 50.00	Month	= \$	250.00	
Personal Mileage		⊙	\$ 0.560	Mile	= \$	-	
Field / Safety Supplies	2.0	⊙	\$ 100.00	Each	= \$	200.00	
Office Supplies	1.0	⊙	\$ 100.00	Each	= \$	100.00	
Printing / Reproduction	100.0	⊙	\$ 0.10	Each	= \$	10.00	
Postage	2.0	⊙	\$ 10.00	Each	= \$	20.00	
Parking	25.00	⊙	\$ 5.00	Each	= \$	125.00	
<b>Total Other Direct Expenses \$</b>						<b>3,705.00</b>	
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
<b>Fixed Fee Rate:</b>		<b>11%</b>		<b>Total Fixed Fee \$</b>		<b>4,467.70</b>	
<b>PRIME TOTAL COSTS SUMMARY \$</b>						<b>48,788.13</b>	

## Exhibit B

### SUMMARY OF SUBCONSULTANT COSTS FOR MDOT JN 123587A SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE:		
123587A				Sub Tier 1		
SUBCONSULTANT NAME:		PROJECT DESCRIPTION:				
Somat Engineering, Inc.		Jefferson Streetscape				
<b>DIRECT LABOR:</b>						
<i>NAME AND/OR CLASSIFICATION</i>	<i>HOURS</i>		<i>HOURLY RATE</i>	<i>=</i>	<i>Labor Cost</i>	
Senior QA/QC Specialist      Sharmyn Elliott		x	\$ 60.10	= \$		-
Project Manager                Jason Lukasik	3	x	\$ 35.50	= \$		106.50
Project Engineer                Philippe Ledent	8	x	\$ 23.40	= \$		187.20
Laboratory Technician        Brian Gondek	2	x	\$ 23.00	= \$		46.00
Field Eng Tech 1                Marc Ledent	5	x	\$ 13.50	= \$		67.50
Field Eng Tech 2                Eric Lehman	90	x	\$ 11.00	= \$		990.00
Field Eng Tech 3                Regan Jeter		x	\$ 18.00	= \$		-
Field Eng Tech 4                Nich Suchy		x	\$ 11.00	= \$		-
Office Technician                Celestina Elliott	5	x	\$ 19.00	= \$		95.00
Clerical                            Jodi Mills	2	x	\$ 16.00	= \$		32.00
Total Hours:		<u>115.00</u>	Total Labor \$		<u>1,524.20</u>	
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<u>203.10%</u>	Total Overhead \$		<u>3,095.65</u>	
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<i>Items</i>	<i>Quantity</i>	<i>@</i>	<i>Unit Price</i>	<i>Unit</i>	<i>=</i>	<i>Item Price</i>
Nuclear Densometer Rental	4.00		\$ 60.00	per day	= \$	240.00
Mileage	121.00		\$ 0.58	per mile	= \$	67.76
Laboratory Rental			\$ 150.00	per day	= \$	-
Vehicle Useage			\$ 350.00	per week	= \$	-
Total Other Direct Expenses \$					<u>307.76</u>	
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<u>11%</u>	Total Fixed Fee \$		<u>508.18</u>	
<b>SUB TOTAL COSTS SUMMARY \$</b>					<b><u>5,435.79</u></b>	

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN 123844A PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>123844A</b>				CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>HMA Group 2</b>			
<b>PRIME DIRECT LABOR:</b>							
<b>CLASSIFICATION</b>	<b>CODE</b>	<b>HOURS</b>	<b>x</b>	<b>RATE</b>	<b>=</b>	<b>Labor Cost</b>	
PE/PM	Mike Frankhouse	300	x	\$ 85.85	=	\$	19,755.00
Asst. PE	John Stevenson	50	x	\$ 56.00	=	\$	2,800.00
Asst. PE	Ian Duncan	400	x	\$ 38.05	=	\$	15,220.00
Office Engineer	Jamie Fossitt	275	x	\$ 45.55	=	\$	12,526.25
Office Tech.	Carly Taylor	600	x	\$ 30.39	=	\$	18,234.00
Lead Road Inspector	Kevin Roberts	150	x	\$ 35.00	=	\$	5,250.00
Lead Traffic Inspector	Jason Handley	19	x	\$ 28.50	=	\$	541.50
Senior Inspector	Andy Jenkin	433	x	\$ 38.16	=	\$	16,523.28
Senior Inspector	Chris Azelborn	600	x	\$ 39.15	=	\$	23,490.00
Senior Inspector	Phil Walls		x	\$ 38.31	=	\$	-
Inspector	Chris Jefferson	168	x	\$ 29.07	=	\$	4,883.76
Inspector	Mary Crowl	40	x	\$ 39.90	=	\$	1,596.00
Inspector	Mike Fowler	675	x	\$ 31.41	=	\$	21,201.75
Inspector	Kwame Ireland	15	x	\$ 30.39	=	\$	455.85
Inspector	TBD	600	x	\$ 25.00	=	\$	15,000.00
Inspector	TBD	600	x	\$ 25.00	=	\$	15,000.00
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD	400	x	\$ 17.00	=	\$	6,800.00
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
Co-op	TBD		x	\$ 17.00	=	\$	-
<b>Total Hours:</b>		<b>5326.0</b>		<b>Total Labor \$</b>		<b>179,277.39</b>	
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
Overhead Rate:		<u>115.00%</u>		<b>Total Overhead \$</b>		<b>206,169.00</b>	
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
<b>Items</b>	<b>Quantity</b>	<b>@</b>	<b>Unit Price</b>	<b>Unit</b>	<b>=</b>	<b>Item Price</b>	
Lease Vehicles (EXH. A)	30.0	@	\$ 600.00	Month	=	\$	18,000.00
Lease Computers (EXH. A)	30.0	@	\$ 50.00	Month	=	\$	1,500.00
Personal Mileage	150.0	@	\$ 0.560	Mile	=	\$	84.00
Field / Safety Supplies	8.0	@	\$ 100.00	Each	=	\$	800.00
Office Supplies	1.0	@	\$ 100.00	Each	=	\$	100.00
Printing / Reproduction	500.0	@	\$ 0.10	Each	=	\$	50.00
Postage	5.0	@	\$ 10.00	Each	=	\$	50.00
Parking	50.00	@	\$ 5.00	Each	=	\$	250.00
<b>Total Other Direct Expense \$</b>						<b>20,834.00</b>	
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
Fixed Fee Rate:		<u>11%</u>		<b>Total Fixed Fee \$</b>		<b>42,399.10</b>	
<b>PRIME TOTAL COSTS SUMMARY \$</b>						<b>448,679.49</b>	

**Exhibit B**  
**SUMMARY OF PRIME CONSULTANT COSTS**  
**FOR MDOT JN 128344A**  
**PARSONS BRINCKERHOFF MICHIGAN, INC.**

**CITY OF DETROIT CE & I 2014-2015 PRICE PROPOSAL**

**EXHIBIT A (NOTES RELATED TO DIRECT EXPENSES)**

**All direct expenses are based on actual costs with no mark-ups.**

**Leased Vehicles:** The \$800.00/month is an estimate of the operated cost/month for each vehicle. Operated cost includes the vehicle lease cost, gasoline cost, and maintenance costs such as oil changes, etc. for each vehicle. These costs are not included in Parsons Brinckerhoff's Field Overhead Rate.

**Lease Computers:** The \$50.00/month is an estimate of the leased cost of each laptop computer used on the project. The laptop is dedicated to the project and leased from an outside source. The cost/month includes operating software. This cost is not included in Parsons Brinckerhoff's Field Overhead Rate.

## Exhibit B

### SUMMARY OF SUBCONSULTANT COSTS FOR MDOT JN 123844A SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S): <b>123844A</b>			CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Sub Tier 1</b>	
SUBCONSULTANT NAME: <b>Somat Engineering, Inc.</b>			PROJECT DESCRIPTION: <b>HMA Group 2</b>			
<b>DIRECT LABOR:</b>						
<i>NAME AND/OR CLASSIFICATION</i>						
	<i>HOURS</i>	<i>x</i>	<i>HOURLY RATE</i>	<i>=</i>	<i>Labor Cost</i>	
Senior QA/QC Specialist	Sharmyn Elliott	4	x	\$ 60.10	= \$	240.40
Project Manager	Jason Lukasik	12	x	\$ 35.50	= \$	426.00
Project Engineer	Philippe Ledent	100	x	\$ 23.40	= \$	2,340.00
Laboratory Technician	Brian Gondek	160	x	\$ 23.00	= \$	3,680.00
Field Eng Tech 1	Marc Ledent	80	x	\$ 13.50	= \$	810.00
Field Eng Tech 2	Eric Lehman	225	x	\$ 11.00	= \$	2,475.00
Field Eng Tech 3	Regan Jeter	30	x	\$ 16.00	= \$	480.00
Field Eng Tech 4	Nich Suchy	695	x	\$ 11.00	= \$	7,645.00
Office Technician	Celestina Elliott	44	x	\$ 19.00	= \$	836.00
Clerical	Jodi Mills	20	x	\$ 16.00	= \$	320.00
Total Hours:		<u>1,350.00</u>			Total Labor \$	<u>19,252.40</u>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<u>203.10%</u>			Total Overhead \$	<u>39,101.62</u>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP)</b>						
<i>Items</i>	<i>Quantity</i>	<i>@</i>	<i>Unit Price</i>	<i>Unit</i>	<i>=</i>	<i>Item Price</i>
Nuclear Densometer Rental	40.00		\$ 60.00	per day	= \$	2,400.00
Mileage	405.00		\$ 0.56	per mile	= \$	226.80
Laboratory Rental	32.00		\$ 150.00	per day	= \$	4,800.00
Vehicle Useage	20.00		\$ 350.00	per week	= \$	7,000.00
Total Other Direct Expenses \$						<u>14,426.80</u>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<u>11%</u>			Total Fixed Fee \$	<u>6,418.94</u>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b><u>79,199.76</u></b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN TBD – LIVERNOIS STREETSCAPE PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S):			CONTRACT / AUTHORIZATION #:		FIRM ROLE:		
					Prime		
PRIME CONSULTANT NAME:			PROJECT DESCRIPTION:				
Parsons Brinckerhoff Michigan, Inc.			Livernois Streetscape				
<b>PRIME DIRECT LABOR:</b>							
CLASSIFICATION	CODE	HOURS	X	RATE	=	Labor Cost	
PE/PM	Mike Frankhouse	75	X	\$ 65.85	=	\$	4,938.75
Asst. PE	John Stevenson	90	X	\$ 58.00	=	\$	5,040.00
Asst. PE	Ian Duncan		X	\$ 38.05	=	\$	-
Office Engineer	Jamie Fosatt	95	X	\$ 45.55	=	\$	4,327.25
Office Tech.	Carly Taylor	95	X	\$ 30.39	=	\$	2,887.05
Lead Road Inspector	Kevin Roberts		X	\$ 35.00	=	\$	-
Lead Traffic Inspector	Jason Handley	90	X	\$ 28.50	=	\$	2,565.00
Senior Inspector	Andy Jenkin	90	X	\$ 38.18	=	\$	3,434.40
Senior Inspector	Chris Azelborn		X	\$ 39.15	=	\$	-
Senior Inspector	Phil Willis		X	\$ 38.31	=	\$	-
Inspector	Chris Jefferson	400	X	\$ 29.07	=	\$	11,628.00
Inspector	Mary Crowl	47	X	\$ 39.90	=	\$	1,875.30
Inspector	Mike Fowler	47	X	\$ 31.41	=	\$	1,478.27
Inspector	Kwama Ireland	30	X	\$ 30.39	=	\$	911.70
Inspector	TBD		X	\$ 25.00	=	\$	-
Inspector	TBD	50	X	\$ 25.00	=	\$	1,250.00
Co-op	TBD		X	\$ 17.00	=	\$	-
Co-op	TBD		X	\$ 17.00	=	\$	-
Co-op	TBD		X	\$ 17.00	=	\$	-
Co-op	TBD		X	\$ 17.00	=	\$	-
Co-op	TBD	200	X	\$ 17.00	=	\$	3,400.00
Co-op	TBD		X	\$ 17.00	=	\$	-
<b>Total Hours:</b>		<b>1309.0</b>				<b>Total Labor \$</b>	<b>43,733.72</b>
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
Overhead Rate:		115.00%			<b>Total Overhead \$</b>	<b>50,293.78</b>	
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
Items	Quantity	⊗	Unit Price	Unit	=	Item Price	
Lease Vehicles (EXH. A)	9.0	⊗	\$ 600.00	Month	=	\$	5,400.00
Lease Computers (EXH. A)	9.0	⊗	\$ 50.00	Month	=	\$	450.00
Personal Mileage	-	⊗	\$ 0.560	Mile	=	\$	-
Field / Safety Supplies	4.0	⊗	\$ 100.00	Each	=	\$	400.00
Office Supplies	1.0	⊗	\$ 100.00	Each	=	\$	100.00
Printing / Reproduction	100.0	⊗	\$ 0.10	Each	=	\$	10.00
Postage	2.0	⊗	\$ 10.00	Each	=	\$	20.00
Parking	25.00	⊗	\$ 5.00	Each	=	\$	125.00
<b>Total Other Direct Expenses \$</b>						<b>5,505.00</b>	
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
Fixed Fee Rate:		11%			<b>Total Fixed Fee \$</b>	<b>10,343.02</b>	
<b>PRIME TOTAL COSTS SUMMARY \$</b>						<b>110,875.62</b>	

## Exhibit B

### SUMMARY OF SUBCONSULTANT COSTS FOR MDOT JN TBD – LIVERNOIS STREETSCAPE SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):			CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Sub Tier 1</b>	
SUBCONSULTANT NAME: <b>Somat Engineering, Inc.</b>			PROJECT DESCRIPTION: <b>Livernois Streetscape</b>			
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>		<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Senior QA/QC Specialist	Sharmyn Elliott	1	x	\$ 60.10	= \$	60.10
Project Manager	Jason Lukasik	4	x	\$ 35.50	= \$	142.00
Project Engineer	Philippe Ledent	8	x	\$ 23.40	= \$	187.20
Laboratory Technician	Brian Gondek	10	x	\$ 23.00	= \$	230.00
Field Eng Tech 1	Marc Ledent	240	x	\$ 13.50	= \$	3,240.00
Field Eng Tech 2	Eric Lehman	70	x	\$ 11.00	= \$	770.00
Field Eng Tech 3	Regan Jeter	69	x	\$ 16.00	= \$	944.00
Field Eng Tech 4	Nich Suchy		x	\$ 11.00	= \$	-
Office Technician	Celestina Elltiott	15	x	\$ 19.00	= \$	285.00
Clerical	Jodi Mills	3	x	\$ 16.00	= \$	48.00
Total Hours:		<b>410.00</b>		Total Labor \$		<b>6,906.30</b>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<b>203.10%</b>		Total Overhead \$		<b>11,995.70</b>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<b>Items</b>	<b>Quantity</b>	<b>@</b>	<b>Unit Price</b>	<b>Unit</b>	<b>=</b>	<b>Item Price</b>
Nuclear Densometer Rental	11.00		\$ 60.00	per day	= \$	660.00
Mileage	442.00		\$ 0.56	per mile	= \$	247.52
Laboratory Rental	-		\$ 150.00	per day	= \$	-
Vehicle Useage	4.00		\$ 350.00	per week	= \$	1,400.00
Total Other Direct Expenses \$						<b>2,307.52</b>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<b>11%</b>		Total Fixed Fee \$		<b>1,969.22</b>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b>22,178.73</b>

**Exhibit B**  
**SUMMARY OF SUBCONSULTANT COSTS**  
**FOR MDOT JN TBD – LIVERNOIS STREETSCAPE**  
**SURVEYING SOLUTIONS, INC.**

<b>Surveying Solutions, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE:		
				<b>Sub Tier 1</b>		
SUBCONSULTANT NAME:		PROJECT DESCRIPTION:				
<b>Surveying Solutions, Inc.</b>		<b>Livernois Streetscape</b>				
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>		<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
<i>Project Surveyor</i>	<i>Anthony Thelen</i>	30		\$ 46.00	\$	1,380.00
<i>Senior Crew Chief</i>	<i>Randall Heiss</i>			\$ 30.50	\$	-
<i>Senior Crew Chief 1</i>	<i>Matthew Schuelke</i>	76		\$ 25.50	\$	1,938.00
<i>Survey Technician</i>	<i>Jacob Staley</i>	76		\$ 17.00	\$	1,292.00
Total Hours:		<u>182.00</u>		Total Labor \$		<u>4,610.00</u>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<u>188.50%</u>		Total Overhead \$		<u>8,689.85</u>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<u>11%</u>		Total Fixed Fee \$		<u>1,462.88</u>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b><u>14,762.83</u></b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN TBD – MACK AVENUE BRIDGE PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S):				CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>Mack Avenue Bridge</b>			
<b>PRIME DIRECT LABOR:</b>							
<b>CLASSIFICATION</b>	<b>CODE</b>	<b>HOURS</b>	<b>X</b>	<b>RATE</b>	<b>*</b>	<b>Labor Cost</b>	
PE/PM	Mike Frankhouse	25	x	\$ 65.85	= \$	1,646.25	
Asst. PE	John Stevenson	50	x	\$ 56.00	= \$	2,800.00	
Asst. PE	Ian Duncan	90	x	\$ 38.05	= \$	3,424.50	
Office Engineer	Jamie Fosatt	90	x	\$ 45.55	= \$	4,099.50	
Office Tech.	Carly Taylor	90	x	\$ 30.39	= \$	2,735.10	
Lead Road Inspector	Kevin Roberts		x	\$ 35.00	= \$	-	
Lead Traffic Inspector	Jason Handley	30	x	\$ 28.50	= \$	855.00	
Senior Inspector	Andy Jenkin		x	\$ 38.16	= \$	-	
Senior Inspector	Chris Azeiborn	100	x	\$ 39.15	= \$	3,915.00	
Senior Inspector	Phil Willis		x	\$ 38.31	= \$	-	
Inspector	Chris Jefferson	175	x	\$ 29.07	= \$	5,087.25	
Inspector	Mary Crowl		x	\$ 39.90	= \$	-	
Inspector	Mike Fowler	175	x	\$ 31.41	= \$	5,496.75	
Inspector	Kwame Ireland	175	x	\$ 30.39	= \$	5,318.25	
Inspector	TBD	175	x	\$ 25.00	= \$	4,375.00	
Inspector	TBD		x	\$ 25.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD	95	x	\$ 17.00	= \$	1,615.00	
Co-op	TBD	95	x	\$ 17.00	= \$	1,615.00	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
<b>Total Hours:</b>		<b>1365.0</b>		<b>Total Labor \$</b>		<b>42,982.60</b>	
<b>PRIME OVERHEAD: (Total Labor - Premium OT) x (Overhead Rate)</b>							
Overhead Rate: <u>115.00%</u>				Total Overhead \$ <u>49,429.99</u>			
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
<b>Items</b>	<b>Quantity</b>	<b>Ⓢ</b>	<b>Unit Price</b>	<b>Unit</b>	<b>= \$</b>	<b>Item Price</b>	
Lease Vehicles (EXH. A)	8.0	Ⓢ	600.00	Month	= \$	4,800.00	
Lease Computers (EXH. A)	8.0	Ⓢ	50.00	Month	= \$	400.00	
Personal Mileage	100.0	Ⓢ	0.560	Mile	= \$	56.00	
Field / Safety Supplies	4.0	Ⓢ	100.00	Each	= \$	400.00	
Office Supplies	1.0	Ⓢ	100.00	Each	= \$	100.00	
Printing / Reproduction	100.0	Ⓢ	0.10	Each	= \$	10.00	
Postage	3.0	Ⓢ	10.00	Each	= \$	30.00	
Parking	35.00	Ⓢ	5.00	Each	= \$	175.00	
<b>Total Other Direct Expenses \$</b>						<b>5,971.00</b>	
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
Fixed Fee Rate: <u>11%</u>				Total Fixed Fee \$ <u>10,165.39</u>			
<b>PRIME TOTAL COSTS SUMMARY \$</b>						<b>106,548.97</b>	

## Exhibit B

### SUMMARY OF SUBCONSULTANT COSTS FOR MDOT JN TBD – MACK AVENUE BRIDGE SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Sub Tier 1</b>		
SUBCONSULTANT NAME: <b>Somat Engineering, Inc.</b>		PROJECT DESCRIPTION: <b>Mack Avenue Bridge</b>				
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>		<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Senior QA/QC Specialist	Sharmyn Elliott	1	x	\$ 60.10	= \$	60.10
Project Manager	Jason Lukasik	7	x	\$ 35.50	= \$	248.50
Project Engineer	Philippe Ledent	23	x	\$ 23.40	= \$	538.20
Laboratory Technician	Brian Gondek	8	x	\$ 23.00	= \$	184.00
Field Eng Tech 1	Marc Ledent	15	x	\$ 13.50	= \$	202.50
Field Eng Tech 2	Eric Lehman	200	x	\$ 11.00	= \$	2,200.00
Field Eng Tech 3	Regan Jeter	35	x	\$ 16.00	= \$	560.00
Field Eng Tech 4	Nich Suchy	50	x	\$ 11.00	= \$	550.00
Office Technician	Celestina Elliott	22	x	\$ 19.00	= \$	418.00
Clerical	Jodi Mills	4	x	\$ 16.00	= \$	64.00
Total Hours:		<b>365.00</b>		Total Labor \$		<b>5,025.30</b>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<b>203.10%</b>		Total Overhead \$		<b>10,206.38</b>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<u>Items</u>	<u>Quantity</u>	<u>@</u>	<u>Unit Price</u>	<u>Unit</u>	<u>=</u>	<u>Item Price</u>
Nuclear Densometer Rental	30.00	\$	60.00	per day	= \$	1,800.00
Mileage	377.00	\$	0.56	per mile	= \$	211.12
Laboratory Rental		\$	150.00	per day	= \$	-
Vehicle Usage	8.00	\$	350.00	per week	= \$	2,800.00
Total Other Direct Expenses \$						<b>4,811.12</b>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<b>11%</b>		Total Fixed Fee \$		<b>1,675.49</b>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b>21,718.29</b>

**Exhibit B**  
**SUMMARY OF SUBCONSULTANT COSTS**  
**FOR MDOT JN TBD – MACK AVENUE BRIDGE**  
**SURVEYING SOLUTIONS, INC.**

<b>Surveying Solutions, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):			CONTRACT / AUTHORIZATION #:		FIRM ROLE:  <b>Sub Tier 1</b>	
SUBCONSULTANT NAME:  <b>Surveying Solutions, Inc.</b>			PROJECT DESCRIPTION:  <b>Mack Avenue Bridge</b>			
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>		<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
<i>Project Surveyor</i>	<i>Anthony Thelen</i>	25		\$ 46.00	\$	1,150.00
<i>Senior Crew Chief</i>	<i>Randall Heiss</i>	71		\$ 30.50	\$	2,165.50
<i>Senior Crew Chief 1</i>	<i>Matthew Schuelke</i>			\$ 25.50	\$	-
<i>Survey Technician</i>	<i>Jacob Staley</i>	71		\$ 17.00	\$	1,207.00
Total Hours:		<u>167.00</u>		Total Labor \$		<u>4,522.50</u>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<u>188.50%</u>		Total Overhead \$		<u>8,524.91</u>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<u>11%</u>		Total Fixed Fee \$		<u>1,435.22</u>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b><u>14,482.63</u></b>

## Exhibit B

### SUMMARY OF PRIME CONSULTANT COSTS FOR MDOT JN TBD – MIDTOWN LOOP PHASE III PARSONS BRINCKERHOFF MICHIGAN, INC.

Parsons Brinckerhoff Michigan, Inc.							
DERIVATION OF PRIME CONSULTANT COSTS							
MDOT CONTROL SECTION(S) - JOB NUMBER(S):				CONTRACT / AUTHORIZATION #:		FIRM ROLE: <b>Prime</b>	
PRIME CONSULTANT NAME: <b>Parsons Brinckerhoff Michigan, Inc.</b>				PROJECT DESCRIPTION: <b>Midtown Loop Phase III</b>			
<b>PRIME DIRECT LABOR:</b>							
<i>CLASSIFICATION</i>	<i>CODE</i>	<i>HOURS</i>	<i>x</i>	<i>RATE</i>	<i>=</i>	<i>Labor Cost</i>	
PE/PM	Mike Frankhouse	88	x	\$ 65.85	= \$	5,863.10	
Asst. PE	John Stevenson	115	x	\$ 66.00	= \$	8,440.00	
Asst. PE	Ian Duncan	315	x	\$ 38.05	= \$	11,985.75	
Office Engineer	Jamie Fossitt	180	x	\$ 45.55	= \$	8,199.00	
Office Tech.	Cary Taylor	180	x	\$ 30.39	= \$	5,470.20	
Lead Road Inspector	Kevin Roberts	435	x	\$ 35.00	= \$	15,225.00	
Lead Traffic Inspector	Jason Handley	20	x	\$ 28.50	= \$	570.00	
Senior Inspector	Andy Jenkin	220	x	\$ 36.16	= \$	8,395.20	
Senior Inspector	Chris Azelborn	360	x	\$ 39.15	= \$	14,094.00	
Senior Inspector	Phil Willis	20	x	\$ 38.31	= \$	766.20	
Inspector	Chris Jefferson	150	x	\$ 29.07	= \$	4,360.50	
Inspector	Mary Crowl	20	x	\$ 39.90	= \$	798.00	
Inspector	Mike Fowler	360	x	\$ 31.41	= \$	11,307.60	
Inspector	Kwame Ireland	150	x	\$ 30.38	= \$	4,558.50	
Inspector	TBD	300	x	\$ 25.00	= \$	7,500.00	
Inspector	TBD	300	x	\$ 25.00	= \$	7,500.00	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD	285	x	\$ 17.00	= \$	4,845.00	
Co-op	TBD	285	x	\$ 17.00	= \$	4,845.00	
Co-op	TBD		x	\$ 17.00	= \$	-	
Co-op	TBD		x	\$ 17.00	= \$	-	
<b>Total Hours:</b>		<b>3781.0</b>		<b>Total Labor \$</b>		<b>122,523.05</b>	
<b>PRIME OVERHEAD: ((Total Labor - Premium OT) x (Overhead Rate))</b>							
Overhead Rate:		<u>115.00%</u>		Total Overhead \$		<u>140,901.81</u>	
<b>PRIME OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>							
<i>Items</i>	<i>Quantity</i>	<i>⊙</i>	<i>\$</i>	<i>Unit Price</i>	<i>Unit</i>	<i>=</i>	<i>Item Price</i>
Lease Vehicles (EXH. A)	21.0	⊙	\$	600.00	Month	= \$	12,600.00
Lease Computers (EXH. A)	21.0	⊙	\$	50.00	Month	= \$	1,050.00
Personal Mileage	100.0	⊙	\$	0.560	Mile	= \$	56.00
Field / Safety Supplies	6.0	⊙	\$	100.00	Each	= \$	600.00
Office Supplies	1.0	⊙	\$	100.00	Each	= \$	100.00
Printing / Reproduction	500.0	⊙	\$	0.10	Each	= \$	50.00
Postage	5.0	⊙	\$	10.00	Each	= \$	50.00
Parking	40.00	⊙	\$	5.00	Each	= \$	200.00
<b>Total Other Direct Expenses \$</b>						<b>14,706.00</b>	
<b>PRIME FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>							
Fixed Fee Rate:		<u>11%</u>		Total Fixed Fee \$		<u>28,978.70</u>	
<b>PRIME TOTAL COSTS SUMMARY \$</b>						<b>307,107.26</b>	

## Exhibit B

### SUMMARY OF SUBCONSULTANT COSTS FOR MDOT JN TBD – MIDTOWN LOOP PHASE III SOMAT ENGINEERING, INC.

<b>Somat Engineering, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):			CONTRACT / AUTHORIZATION #:		FIRM ROLE:  <b>Sub Tier 1</b>	
SUBCONSULTANT NAME:  <b>Somat Engineering, Inc.</b>			PROJECT DESCRIPTION:  <b>Midtown Loop Phase III</b>			
<b>DIRECT LABOR:</b>						
<b>NAME AND/OR CLASSIFICATION</b>		<b>HOURS</b>	<b>x</b>	<b>HOURLY RATE</b>	<b>=</b>	<b>Labor Cost</b>
Senior QA/QC Specialist	Sharmyn Elliott	1	x	\$ 60.10	= \$	60.10
Project Manager	Jason Lukasik	8	x	\$ 35.50	= \$	284.00
Project Engineer	Philippe Ledent	30	x	\$ 23.40	= \$	702.00
Laboratory Technician	Brian Gondek	10	x	\$ 23.00	= \$	230.00
Field Eng Tech 1	Marc Ledent	25	x	\$ 13.50	= \$	337.50
Field Eng Tech 2	Eric Lehman	130	x	\$ 11.00	= \$	1,430.00
Field Eng Tech 3	Regan Jeter	100	x	\$ 16.00	= \$	1,600.00
Field Eng Tech 4	Nich Suchy	450	x	\$ 11.00	= \$	4,950.00
Office Technician	Celestina Elliott	23	x	\$ 19.00	= \$	437.00
Clerical	Jodi Mills	10	x	\$ 16.00	= \$	160.00
Total Hours:		<b>787.00</b>				
					Total Labor \$	<b>10,190.80</b>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
Overhead Rate:		<b>203.10%</b>				
					Total Overhead \$	<b>20,697.11</b>
<b>SUB OTHER DIRECT EXPENSES: (List each item once at Actual Cost - NO MARKUP.)</b>						
<b>Items</b>	<b>Quantity</b>	<b>@</b>	<b>Unit Price</b>	<b>Unit</b>	<b>=</b>	<b>Item Price</b>
Nuclear Densometer Rental	25.00		\$ 60.00	per day	= \$	1,500.00
Mileage	294.00		\$ 0.56	per mile	= \$	164.64
Laboratory Rental	-		\$ 150.00	per day	= \$	-
Vehicle Usage	7.00		\$ 350.00	per week	= \$	2,450.00
Total Other Direct Expenses \$						<b>4,114.64</b>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
Fixed Fee Rate:		<b>11%</b>				
					Total Fixed Fee \$	<b>3,397.65</b>
<b>SUB TOTAL COSTS SUMMARY \$</b>						<b>38,400.00</b>

**Exhibit B**  
**SUMMARY OF SUBCONSULTANT COSTS**  
**FOR MDOT JN TBD – MIDTOWN LOOP PHASE III**  
**SURVEYING SOLUTIONS, INC.**

<b>Surveying Solutions, Inc.</b>						
<b>DERIVATION OF SUBCONSULTANT COSTS</b>						
MDOT CONTROL SECTION(S) - JOB NUMBER(S):		CONTRACT / AUTHORIZATION #:		FIRM ROLE:		
				Sub Tier 1		
SUBCONSULTANT NAME:			PROJECT DESCRIPTION:			
Surveying Solutions, Inc.			Midtown Loop Phase III			
<b>DIRECT LABOR:</b>						
<i>NAME AND/OR CLASSIFICATION</i>		<i>HOURS</i>	<i>x</i>	<i>HOURLY RATE</i>	<i>=</i>	<i>Labor Cost</i>
Project Surveyor	Anthony Thelen	60		\$ 46.00	\$	2,760.00
Senior Crew Chief	Randall Heiss	180		\$ 30.50	\$	5,490.00
Senior Crew Chief 1	Matthew Schuelke	26		\$ 25.50	\$	663.00
Survey Technician	Jacob Staley	180		\$ 17.00	\$	3,060.00
		Total Hours:	<u>446.00</u>	Total Labor	\$	<u>11,973.00</u>
<b>SUB OVERHEAD: (Total Labor x Overhead Rate)</b>						
		Overhead Rate:	<u>188.50%</u>	Total Overhead	\$	<u>22,569.11</u>
<b>SUB FIXED FEE FOR PROFIT: ((Total Labor + Total Overhead) x 11%)</b>						
		Fixed Fee Rate:	<u>11%</u>	Total Fixed Fee	\$	<u>3,799.63</u>
<b>SUB TOTAL COSTS SUMMARY</b>					\$	<u><b>38,341.74</b></u>

## SCOPE OF SERVICES

The Scope of Services to be provided by the Professional Consultant in completing the Services for the Project is described herein. The definitions of terms used herein shall have the same meaning as those listed in Definition Section of the Professional Services Agreement.

### GENERAL INFORMATION:

The Professional Consultant shall provide Full Construction Engineering and Inspection (CE&I) Services to the City of Detroit, Department of Public Works-City Engineering Division (Local Agency), as generally described herein. The CE&I services for construction work to be performed by the Construction Contractor until completion of work by the Construction Contractor and acceptance of the Project and CE & I services by the Local Agency.

The Full CE&I services are as follows: **project administration; inspection; staking; quality assurance testing and reporting; measurement, computation, and documentation of quantities; federal court mandated ADA Ramp inspection, documentation, reporting and record keeping for all ADA ramps installed; reporting and record keeping; and documentation to finalize and close out all projects.**

The Professional Consultant shall furnish services and labor necessary to conduct and complete the CE&I Services described herein. The Professional Consultant shall also furnish materials, equipment, supplies, and incidentals necessary to perform the Services (other than those designated in writing to be furnished by the City), and check and/or test the materials, equipment, supplies, and incidentals in carrying out this work. The Services shall be performed consistently with applicable professional standards for the Local Agency. The Professional Consultant shall contact the Project Manager prior to beginning work on this Project.

- A. The Professional Consultant's principal contact with the Local Agency shall be through the designated Project Manager.
- B. The Services described herein are financed with public funds. The Professional Consultant shall comply with applicable Federal, State and Local Agency laws, rules, and regulations
- C. The Professional Consultant agrees to demonstrate knowledge of, and performance in compliance with, the standard construction practices of the Local Agency; the Project construction contract, proposal, and plans; the Standard Specifications for Construction and all applicable publications referenced within; the Michigan Construction Manual; the Materials Sampling Guide; the Materials Quality Assurance Procedures Manual; the Density Control Handbook; and other references, guidelines, and procedures manuals needed to carry out the work described herein in an appropriate manner.

### LOCAL AGENCY PROJECT SUPERVISORS/MANAGERS:

Name:	Umakant Patel, P.E	Jubi Chackunkal, P.E.	Prasad Nannapaneni, P.E.
Classification:	Engineer of Streets	Traffic Engineer	Traffic Engineer
Office:	DPW – City Engineering Div	DPW – Traffic Engineering Div	DPW – Traffic Engineering Div
Address:	65 Cadillac Square, Suite 900 Detroit, MI 48226	2633 Michigan Avenue Detroit, MI 48216	2633 Michigan Avenue Detroit, MI 48216
Telephone:	313-224-3964	313-224-1315	313-628-5603
Cell:	313-506-2797		
Fax:	313-224-3471	313-224-1304	313-224-1304

**PROFESSIONAL CONSULTANT RESPONSIBILITIES:**

- A. Safety:** The Professional Consultant shall perform field operations in accordance with the MDOT's Personal Protective Equipment (PPE) Policy as stated in the MDOT Guidance Document #10118 (available on their E-Bulletin Board System). The Professional Consultant shall perform field operations in accordance with MIOSHA regulations and accepted safety practices.
- B. Project Engineer:** Perform as the Project Engineer for the Project consistent with MDOT's practice and in accordance with the Specifications, Plans, Proposal, the Michigan Construction Manual, the Materials Sampling Guide, and other applicable references, guidelines, and/or procedures manuals.
- C. Inspectors:** Perform as the Inspector for the Project consistent with MDOT's practice and in accordance with the Specifications, Plans, Proposal, the Michigan Construction Manual, the Materials Sampling Guide, and other applicable references, guidelines, and/or procedures manuals. The Professional Consultant shall assign a sufficient number of qualified and experienced technicians to this Project to perform the services in a quality manner to avoid any delay to the Construction Consultant. Personnel performing inspection and testing on bituminous, Portland cement, aggregate or for density must have the appropriate certification and level for the inspection and testing performed. Perform ADA Ramp inspection in conformance with City of Detroit standards in compliance with the Settlement Order of 8-31-06 and Stipulated Order of 9-24-10. Record field measurements on the City of Detroit provided inspection forms (sample attached) and attach records to the Inspector's Daily Report (IDR).
- D. Office Support and Equipment:** Provide an experienced office technician knowledgeable about the Field Manager system, and procedures regarding project record documentation. Provide administrative support. Provide all computer equipment necessary to run the Field Manager system. Generate quarterly reports required by the federal court in compliance with the Settlement Order of 8-31-06 and Stipulated Order of 9-24-10. Utilize the Excel spreadsheet provided by the City of Detroit (sample attached) to transfer data from the inspector's completed ADA Ramp inspection forms (referenced above) and deliver data timely to the City of Detroit.
- E. Meetings:** Arrange and conduct conferences and meetings required for carrying out the services or as may be required by the Project Manager. Prepare and distribute minutes.
- F. Coordination:** Provide appropriate coordination and contact, public relations, and cooperation with affected local, state, and/or federal agencies including the Federal Highway Administration; other Professional Consultants and other Consultants; the general public; utilities and railroad companies; and local police, fire, and emergency services which may be affected by the Project and which are deemed to be the responsibility of the Professional Consultant by the Local Agency.

- G. Staking:** Perform staking in accordance with MDOT standards, including, but not limited to, staking to be performed by the Engineer and Consultant as indicated in SP 104(A) Contractor Staking (or current applicable Contractor Staking Special Provision) including Mitigation staking, and perform staking to be performed by the Engineer included in SP104 (H) Bridge Structure Stakes and Control, to verify accuracy and compliance with the contract documents. Resolve plan errors, discrepancies or omissions identified by the Contractor and/or Professional Consultant and notify the Project Manager.
- H. Soil and sedimentation control:** Perform inspection of the construction site to verify that proper soil erosion and sedimentation controls are in place. A MDEQ certified NPDES Storm Water Operator shall be assigned to inspect and document the project per the NPDES requirements. Any violation of the NPDES permit by the Construction Contractor must be immediately reported to the Project Manager. **Personnel performing inspection on areas where soil erosion control measures are needed, must have successfully completed Soil Erosion and Sedimentation Control training and perform inspections as outlined in the City of Detroit Department of Public Works-City Engineering Division MDEQ approved APA Operating Procedures.**
- I. Progress:** Keep daily diaries, sketches, logs, and records consistent with MDOT practice to record the Contractor's progress. Notify the Project Manager of anticipated Contractor's requests for extensions of time. Notify the Project Manager upon receipt of any Contractor's requests for extensions of time.
- J. Changes/Extras/Adjustments:** Notify the Project Manager immediately of any unanticipated Project conditions and any changes, extras, or adjustments to the contract before processing a Work Order and/or Recommendation.
- K. Contentious Issues:** Resolve problems, issues, discrepancies, or other items brought to the attention of the Professional Consultant by the Contractor. Provide written documentation of the resolution of such issues. Keep the Project Manager informed of all such issues.
- L. Contractor Claims:** Represent the Local Agency as the Project Engineer on any and all claims for extra compensation and denied extensions of time requests filed on behalf of the Construction Contractor and/or Subcontractor on the Project against the Local Agency. These claims shall be represented by the Professional Consultant in accordance with Section 104.09 of the most current Standard Specification for Construction and/or MDOT's Written Claim Procedures in effect at the time the Construction Contractor files the claim.
- M. Staff Reductions:** Withdraw any personnel or halt any services no longer required, at the request of the Local Agency, or within a reasonable time after the lack of need becomes apparent to the Professional Consultant or the Project Manager. The Professional Consultant will not be reimbursed for the costs charged, that the Project Manager has determined were unnecessary following the request of the Local Agency to halt any service or withdraw any personnel.

- N. Professional Consultant Deliverables:** Collect, properly label or identify, and deliver to the Local Agency all original diaries, logs, notebooks, accounts, records, reports, federal court required ADA Ramp compliance reports, other documents, and Project files prepared by the Professional Consultant in the performance of the Agreement, upon completion or termination of the Agreement. Return, upon completion or termination of the Agreement, all Specifications, Manuals, guides, written instructions, construction contracts and plans, unused forms, and all other documents and materials furnished by the Local Agency. The Professional Consultant may be responsible for replacing lost documents or materials at a fair and reasonable price.

### **PROJECT INSPECTION:**

- A. Ongoing Inspection:** Provide inspection of Contractor field construction work, provide quality control, and confirm substantial conformance with the Specifications, Plans, and Proposal. Arrange for non-compliance work to be made whole by the Contractor or to find the non-compliance work acceptable to the Professional Consultant, the Project Manager, and where necessary, to the MDOT Resident Engineer. Inform the Project Manager of non-compliance work and trends toward borderline compliance.
- B. Final Inspection:** Complete a final inspection of all work included in the Project, or such portions thereof eligible for acceptance, after notification by the Contractor that the work is completed or after the Professional Consultant's records show the work is completed. The final inspection shall include notifying the Contractor in writing of particular defects to be remedied if work is not acceptable to the Professional Consultant.
- C. Final Acceptance:** Ascertain that the Project has been performed in accordance with the plans and specifications, or such modifications thereof as may have been approved, and accept the Project. Invite the Project Manager and the MDOT Resident Engineer to participate in the final acceptance.

### **TESTING AND REPORTING:**

- A. Material Testing and Density Control:** Sample or test, or both, materials including but not limited to, concrete quality assurance testing including concrete cylinder breaks, bituminous testing; off-site aggregate testing, on-site aggregate density testing and reporting, testing of required materials according to Materials Sampling Guide to be incorporated in the work, and reject Contractor's work and materials not meeting the Specifications, Plans, Proposal, the Michigan Construction Manual, the Materials Sampling Guide, Materials Quality Assurance Manual, and any other applicable references, guidelines, and/or procedures manuals. Determine the acceptability of materials found to be in non-compliance. Immediately inform the Project Manager of non-compliance work and trends toward borderline compliance.
- B. Material Certification:** Make certain that acceptable test reports and/or material certifications from the supplier have been received, prior to the incorporation of materials in the work, for materials tested off the Project site.

- C. Material Reports:** Submit Material test reports, including but not limited to, the Inspector's Report of Concrete Placed 1174A, Aggregate Inspection Reports 1900 & 1901, Bituminous QA reports, Concrete QA reports, and the "Moisture and Density Determination, Nuclear Method", Form 582B, etc. to the distribution list within one business day of the testing.
- D.** The Professional Consultant shall furnish off-site inspections and tests of steel, cement, bituminous mixture designs, sewer and drainage pipe, structural steel, prestressed girders and beams, traffic signs, and other materials customarily tested in MDOT laboratories with its own forces or by statewide contracts except concrete aggregates, aggregates, and concrete cylinders. The customary testing is described in the Materials Quality Assurance Manual with exceptions noted within the Specifications, Plans, and Proposal. The Professional Consultant shall be responsible for the sampling and transportation of all the materials to be tested.
- E.** The Professional Consultant shall provide the bituminous plant inspection required for Quality Assurance and will submit the QA reports to the Professional Consultant Project Engineer for analysis and action. The Professional Consultant shall still be responsible for all on-site bituminous inspection required, including, but not limited to, locating the required Quality Assurance cores, and coordinating with the contractor regarding this sampling.
- F.** The Professional Consultant and any Sub-Consultants performing density testing services that use equipment regulated by the Nuclear Regulatory Commission (NRC) shall:
1. Possess a valid license issued by the NRC, or other agency recognized by the Local Agency, for ownership and use of sealed sources contained within portable nuclear density gauges.
  2. Provide the Local Agency and MDOT with a copy of the license (1 above).
  3. Comply with all rules and regulations set forth by Title 10 (Energy) and 49 (Transportation).
- G.** The Professional Consultant and any Sub-Consultants shall provide the federal court required ADA ramp inspection at each ramp location, document whether the ramp is compliant or not, direct the Contractor to correct any deficiencies, maintain the inspection records, compile the data into the City provided Excel spreadsheet and report that information to the City in conformance with the Settlement Order and Stipulated Order referenced above and attached.

#### **MEASUREMENT, COMPUTATION AND DOCUMENTATION OF QUANTITIES:**

- A. Documentation:** Measure and compute quantities, and provide appropriate documentation of all materials incorporated in the work and items of work completed, and maintain an item record account using Field Manager software. The Professional Consultant must obtain and be able to use the version currently being used by MDOT of the Field Manager Suite of Software for this project.
- B. Insufficient Tested Materials:** Track insufficient tested materials and notify the Contractor on a bi-weekly basis.

## **REPORTING AND RECORD KEEPING:**

- A. Professional Consultant Reports:** Prepare such periodic, intermediate and final reports and records as may be required by the Local Agency &/or MDOT and as are applicable to the Project, which may include, but are not limited to:
- a. Inspector's Daily Reports,
  - b. Work Orders,
  - c. Construction Item and Tested Material Records using Field Manager,
  - d. Transfer of Tested Materials,
  - e. Monthly Report on Material Inspection,
  - f. Moisture and Density Determination Reports (Form 582BM)
  - g. Inspector's Report of Concrete Placed (Form 1174A-M)
  - h. NPDES Storm Water Operator Reports,
  - i. ADA Ramp Reports, Forms, Spreadsheets, etc.
  - j. Labor Compliance, such as the Weekly Employment & OJT Report (Form 1199),
  - k. Construction Estimate Bi-Weekly Report,
  - l. Bi-Weekly Construction Progress Report & Weekly Statement of Working Days Charged
  - m. Force Accounts
  - n. Contract Modifications (Recommendations and Authorizations)
  - o. Extension of Time and Liquidated Damages
  - p. Contractor Evaluation (Form 1182)
  - q. Reduction in Reserve
  - r. Complete Post Construction Review including form 285-2, if required by the Project Manager.
  - s. Other records &/or reports as required for the Project by the Project Manager &/or MDOT &/or as required by Specifications, Plans, Proposal, the Michigan Construction Manual, the Materials Sampling Guide, and any and all other applicable references, guidelines, &/or manuals.

**All reports and project related paperwork should be maintained in the respective project file within five (5) business days of the generation date for the report or project related paperwork.**

- B. Reports-Contractor Generated:** Review, process, &/or approve Construction Contractor submittals of records and reports required by the Local Agency as applicable to the Project which may include, but not limited to:
- a. Working Drawings,
  - b. Weekly Employment Reports, Certified Payrolls
  - c. Contractor's claims for additional compensation and extension(s) of time, and
  - d. Other reports and records as required for the Project by the Project Manager.
- C. Project Files:** Maintain project files in accordance with the MDOT Office Manual and Local Agency's procedures in the **Detroit Office located at 500 Griswold Street, Suite 2900, Detroit, MI 48226-5001**. Send copies of select correspondence and documentation to the Project Manager.
- D. Accounting, Audit & Record Retention:** Follow standard accounting practices and permit representatives of the DPW-CED, the MDOT and the FHWA to audit and inspect its Project books and records at any reasonable time in the **Detroit Office located at 500**

**Griswold Street, Suite 2900, Detroit, MI 48226-5001.** Such records are to be kept available for **three (3) years** from the date of the final payment of federal aid for work conducted under this Agreement **and upon completion of the MDOT Commission audit.**

- a. The Professional Consultant shall establish and maintain accurate records, in accordance with generally accepted accounting principles, of all expenses incurred for which payment is sought or made under this Agreement, said records to be hereinafter referred to as the "RECORDS". Separate accounts shall be established and maintained for all costs incurred under this Agreement.
- b. The Professional Consultant shall maintain the Records for at least **three (3) years** from the date of final payment of federal aid made by MDOT under this Agreement **and upon completion of the MDOT Commission audit** in the **Detroit Office located at 500 Griswold Street, Suite 2900, Detroit, MI 48226-5001.** In the event of a dispute with regard to the allowable expenses or any other issue under this Agreement, the Professional Consultant shall thereafter continue to maintain the Records at least until that dispute has been finally decided and the time for all available challenges or appeals of that decision has expired.
- c. The MDOT, or their representative, may inspect, copy, or audit the Records at any reasonable time after giving reasonable notice in the **Detroit Office located at 500 Griswold Street, Suite 2900, Detroit, MI 48226-5001.**
- d. If any part of the work is subcontracted, the Professional Consultant shall assure compliance with subsections (a), (b), and (c) above for all subcontracted work.

#### **CLOSING ALL PROJECT DOCUMENTATION:**

- A. **Final Measure and Summarize:** Final field measure applicable items of work. Prepare final summaries for applicable items of work.
- B. **Project Review/Certification:** Participate in and resolve items determined to be insufficient during the Local Agency's &/or MDOT's review(s) of project records &/or during the Project Engineer Certification Process prior to submitting the Final Estimate. Within 45 calendar days of the actual project completion date, the project records shall be ready for the Final Records Review.
- C. **Final Documents:** Prepare and submit the Final Estimate, Final Quantity Sheets, Final Marked As-Constructed Plans, and the Design/Construction Package Evaluation (Form 285-2). The Final Estimate Package shall be submitted to the Project Manager &/or MDOT within 30 days of the Final Records Review.

## APPENDIX A PROHIBITION OF DISCRIMINATION IN STATE CONTRACTS

In connection with the performance of work under this contract; the Consultant agrees as follows:

1. In accordance with Act No. 453, Public Acts of 1976, the Consultant hereby agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or as a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, or marital status. Further, in accordance with Act No. 220, Public Acts of 1976 as amended by Act No. 478, Public Acts of 1980 the Consultant hereby agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. A breach of the above covenants shall be regarded as a material breach of this contract.
2. The Consultant hereby agrees that any and all subcontracts to this contract, whereby a portion of the work set forth in this contract is to be performed, shall contain a covenant the same as hereinabove set forth in Section 1 of this Appendix.
3. The Consultant will take affirmative action to insure that applicants for employment and employees are treated without regard to their race, color, religion, national origin, age, sex, height, weight, marital status or a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
4. The Consultant will, in all solicitations or advertisements for employees placed by or on behalf of the Consultant, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, age, sex, height, weight, marital status or disability that is unrelated to the individual's ability to perform the duties of a particular job or position.
5. The Consultant or his collective bargaining representative will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or worker's representative of the Consultant's commitments under this appendix.
6. The Consultant will comply with all relevant published rules, regulations, directives, and orders of the Michigan Civil Rights Commission which may be in effect prior to the taking of bids for any individual state project.
7. The Consultant will furnish and file compliance reports within such time and upon such forms as provided by the Michigan Civil Rights Commission, said forms may also elicit information as to the practices, policies, program, and employment statistics of each sub-consultant as well as the Consultant himself, and said Consultant will permit access to his books, records, and accounts by the Michigan Civil Rights Commission and/or its agent, for purposes of investigation to ascertain compliance with this contract and relevant with rules, regulations, and orders of the Michigan Civil Rights Commission.
8. In the event that the Civil Rights Commission finds, after a hearing held pursuant to its rules, that a Consultant has not complied with the contractual obligations under this agreement, the Civil Rights Commission may, as part of its order based upon such findings, certify said findings to the Administrative Board of the State of Michigan, which Administrative Board may order the cancellation of the contract found to have been violated and/or declare the Consultant ineligible for future contracts with the state and its political and civil subdivisions, departments, and officers, and including the governing boards of institutions of higher education, until the Consultant complies with said order of the Civil Rights Commission. Notice of said declaration of future ineligibility may be given to any or all of the persons with whom the Consultant is declared ineligible to contract as a contracting party in future contracts. In any case before the Civil Rights Commission in which cancellation of an existing contract is a possibility, the contracting agency shall be notified of such possible remedy and shall be given the option by the Civil Rights Commission to participate in such proceedings.
9. The Consultant will include, or incorporate by reference, the provisions of the foregoing paragraphs (1) through (8) in every subcontract or purchase order unless exempted by the rules, regulations or orders of the Michigan Civil Rights Commission, and will provide in every subcontract or purchase order that said provisions will be binding upon each subConsultant or seller.

March, 1998  
(Rev. 03/92)

## APPENDIX B

During the performance of this contract, the Consultant, for itself, its assignees, and successors in interest (hereinafter referred to as the "Consultant") agrees as follows:

1. Compliance with Regulations: The Consultant shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 27, as they may be amended from time to time (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. Nondiscrimination: The Consultant, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or natural origin in the selection and retention of subConsultants, including procurements of materials and leases of equipment. The Consultant shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the Consultant for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subConsultant or supplier shall be notified by the Consultant of the Consultant's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.
4. Information and Reports: The Consultant shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information and its facilities, as may be determined by the Michigan Department of Transportation or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a Consultant is in the exclusive possession of another who fails or refuses to furnish this information, the Consultant shall so certify to the Michigan Department of Transportation, or the Federal Highway Administration as appropriate, and shall set forth what efforts is has made to obtain the information.
5. Sanctions for Noncompliance: In the event of the Consultant's noncompliance with the nondiscrimination provisions of this contract, the Michigan Department of Transportation shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
  - (a) Withholding of payments to the Consultant under the contract until the Consultant complies, and/or
  - (b) Cancellation, termination, or suspension of the contract, in whole or in part.
6. Incorporation of Provisions: The Consultant shall include the provisions of paragraphs 1 through 6 of every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The Consultant shall take such action with respect to any subcontract or procurement as the Michigan Department of Transportation or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for non-compliance; provided, however that in the event a Consultant becomes involved in, or is threatened with, litigation with a sub-consultant or supplier as a result of such direction, the Consultant may request the Michigan Department of Transportation to enter into such litigation to protect the interests of the state, and, in addition, the Consultant may request the United States to enter into such litigation to protect the interest of the United States.

## APPENDIX C

(TO BE INCLUDED IN ALL FINANCIAL ASSISTANCE AGREEMENTS WITH LOCAL AGENCIES)

### General Requirements for Recipients

Excerpts from USDOT Regulation

49 CFR, Part 23, Section 23.43

- A. Policy: It is the policy of the Department that MBE as defined in 49 CFR, Part 23, shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with federal funds. Consequently, the MBE requirements of 49 CFR, Part 23, apply to this contract.
- B. MBE Obligation: The recipient or its Consultant agrees to ensure that MBE as defined in 49 CFR, Part 23, has the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with federal funds provided under this agreement. In this regard, all recipients or Consultants shall take all necessary and reasonable steps in accordance with 49 CFR, Part 23, to ensure that MBE has the maximum opportunity to compete for and perform contracts. Recipients and their Consultants shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of departmentally-assisted contracts.
- C. If, as a condition of assistance, the recipient has submitted and the department has approved a minority business enterprise affirmative action program which the recipient agrees to carry out, this program is incorporated into this financial assistance agreement by reference. This program shall be treated as a legal obligation and failure to carry out its terms shall be treated as a violation of this financial assistance agreement. Upon notification to this recipient of its failure to carry out the approved program, the Department shall impose such sanctions as noted in 49 CFR, Part 23, Subpart E, which sanctions may include termination of the agreement or other measures that may affect the ability of the recipient to obtain future departmental, financial assistance.
- D. The Department hereby advises each recipient, Consultant, or sub-Consultant that failure to carry out the requirements set forth in Section 23.43(a) 49 CFR, Part 23, shall constitute a breach of contract, and after the notification of the USDOT, may result in termination of the agreement or contract by the Department or such remedy as the Department deems appropriate.

### CERTIFICATION

I hereby certify that I am EDWIN E. TATEM  
and a duly authorized representative of the firm of PARSONS BRINCKERHOFF MICHIGAN, INC.  
whose address is 500 GRISWOLD STREET, SUITE 2900, DETROIT, MI 48226 and that  
neither I nor the above firm I here represent has:

(a) employed or retained for a commission, percentage, brokerage, contingent fee,  
or other consideration, any firm or person (other than a bona fide employee working solely for  
me or the above \_\_\_\_\_) to solicit or secure this contract.

(b) agreed, as an express or implied condition for obtaining this contract, to  
employ or retain the services of any firm or person in connection with carrying out the contract,  
or

(c) paid, or agreed to pay, to any firm, organization or person (other than a bona  
fide employee working solely for me or the above \_\_\_\_\_) any fee,  
contribution, donation, or consideration of any kind for, or in connection with, procuring or  
carrying out the contract:

except as here expressly stated (if any):

I acknowledge that this certification is to be furnished to the Michigan  
Department of Transportation in connection with this contract involving participation of state  
and/or federal funds, and is subject to applicable state and federal laws, both criminal and civil.

7.18.2014  
Date

  
Signature

## ATTACHMENT A

### (This is a reproduction of Appendix A of 49 CFR Part 29) CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS - PRIMARY COVERED TRANSACTIONS

#### Instructions for Certification

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification in addition to other remedies available to the federal government, the department or agency may terminate this transaction for cause of default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposed," and "voluntarily excluded" as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules impending Executive Order 12549. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transaction, provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals.
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally processed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the federal government, the department or agency may terminate this transaction for cause or default.

#### Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
  - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
  - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;
  - (c) Are not presently indicated for or otherwise criminally or civilly charged by a government entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
  - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (federal, state, or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

March 9, 1989

## ATTACHMENT B

(This is a reproduction of Appendix B of 49 C.F.R. Part 29)  
CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY  
AND VOLUNTARY EXCLUSION-LOWER TIER COVERED TRANSACTIONS

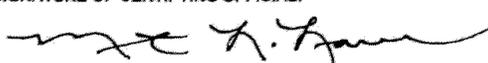
### Instructions for Certification

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transaction," without notification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Non-procurement List (Telephone No. (517) 335-2513 or (517) 335-2514).
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

### Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transactions

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.
2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

## ATTACHMENT C

Michigan Department of Transportation 5108 (04/13)	<h3 style="margin: 0;">CERTIFICATION OF OVERHEAD COST RATE</h3>	Page 1 of 1
<p>This Certification is required per U.S. Department of Transportation, Federal Highway Administration (FHWA) Order 4470.1A, and dated October 27, 2010. FHWA has issued this new policy to be <b>effective January 1, 2011</b>, requiring consultants provide certification that costs used to establish overhead cost rates for Federal-aid engineering and design related services contracts do not include any costs which are expressly unallowable; and that the overhead cost rate was established only with allowable costs.</p>		
<p>This certification is to provide assurance that the overhead costs rate was calculated in accordance with the applicable cost principles contained in the Federal Acquisition Regulations (FAR) of Title 48, Code of Federal Regulations (CFR) Part 31.</p>		
<p>This form shall be completed and submitted by the prime consultant and each subconsultant (first and second tier subconsultant(s)) that have a derivation of cost sheet as part of this priced proposal where an overhead rate was proposed. Please note that the Certifying Official is defined as the firm's Executive (President, Vice President or equivalent) or Chief Financial Officer.</p>		
<b>PROJECT INFORMATION</b>		
MDOT CONTROL SECTION(S) – JOB NUMBER(S):  <p style="text-align: center;"><b>CS Varies - JN Varies</b></p>	CONTRACT / AUTHORIZATION NUMBER:	
PROJECT DESCRIPTION:  <p style="text-align: center;"><b>City of Detroit 2014/15 CE &amp; I</b></p>		
<b>DECLARATION OF CERTIFICATION</b>		
OVERHEAD COST RATE:	<u>118.40%</u>	
DATE OF OVERHEAD COST RATE DETERMINATION (mm/dd/yyyy):	<u>7/2/2013</u>	
FISCAL PERIOD COVERED: (mm/dd/yyyy to mm/dd/yyyy)	<u>1/1/2012</u>	to <u>12/13/2012</u>
<p><i>I, the undersigned, certify that I have reviewed the overhead rate calculation for the fiscal period as specified above and to the best of my knowledge and belief:</i></p> <p>1.) All costs included to establish the above overhead cost rate are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) of title 48, Code of Federal Regulations (CFR), part 31.</p> <p>2.) This overhead cost rate does not include any costs which are expressly unallowable under the cost principles of the FAR of 48 CFR 31.</p> <p><i>All known material transactions or events that have occurred affecting the firm's ownership, organization and overhead cost rates have been disclosed.</i></p>		
<b>CONSULTANT INFORMATION</b>		
LEGAL BUSINESS NAME:  <p style="text-align: center;"><b>Parsons Brinckerhoff Michigan, Inc.</b></p>	FEDERAL ID NUMBER: <i>(Must match prequalification file)</i>  <p style="text-align: center;"><b>132963517</b></p>	ROLE: (Prime, Tier 1, Tier 2)  <p style="text-align: center;"><b>Prime Firm</b></p>
COMPANY ADDRESS:  <p style="text-align: center;"><b>500 Griswold Street, Ste 2900</b></p>	CITY:  <p style="text-align: center;"><b>Detroit</b></p>	STATE:  <p style="text-align: center;"><b>MI</b></p>
EMAIL (AUTHORIZED CONTRACT SIGNER):  <p style="text-align: center;"><b>lauer@pbworld.com</b></p>	PHONE NO.:  <p style="text-align: center;"><b>517-327-7845</b></p>	EMAIL (FOR SIGNED CONTRACT DISTRIBUTION):  <p style="text-align: center;"><b>fearheiley@pbworld.com</b></p>
<p>By signature on this form, the consultant agrees that information provided in the consultant priced proposal does not contradict the scope of services or violate the contract terms and conditions.</p>		
CERTIFYING OFFICIAL: (Printed Name - Title)  <p style="text-align: center;"><b>Marge Lauer Sr. Vice President</b></p>	SIGNATURE OF CERTIFYING OFFICIAL:  	DATE:  <p style="text-align: center;"><b>4/22/2014</b></p>

## ATTACHMENT C

Michigan Department  
 Of Transportation  
 5108 (10/13)

### CERTIFICATION OF OVERHEAD RATE

This Certification is required per U.S. Department of Transportation, Federal Highway Administration (FHWA) Order 4470.1A, and dated October 27, 2010. FHWA has issued this new policy to be **effective January 1, 2011**, requiring consultants provide certification that costs used to establish overhead cost rates for Federal-aid engineering and design related services contracts do not include any costs which are expressly unallowable; and that the overhead cost rate was established only with allowable costs.

This certification is to provide assurance that the overhead costs rate was calculated in accordance with the applicable cost principles contained in the Federal Acquisition Regulations (FAR) of Title 48, Code of Federal Regulations (CFR) Part 31.

This form shall be completed and submitted by the prime consultant and each subconsultant (first and second tier subconsultant(s)) that have a derivation of cost sheet as part of this priced proposal where an overhead rate was proposed. Please note that the Certifying Official is defined as the firm's Executive (President Vice President or equivalent) or Chief Financial Officer.

#### PROJECT INFORMATION

MDOT CONTROL SECTION(S) – JOB NUMBERS(S): Various - Various	CONTRACT / AUTHORIZATION NUMBER:
PROJECT DESCRIPTION: 2014-2015 City of Detroit CE & I	

#### DECLARATION OF CERTIFICATION

OVERHEAD COST RATE:	2.031%
DATE OF OVERHEAD COST RATE DETERMINATION (mm/dd/yyyy):	10/02/2013
FISCAL PERIOD COVERED (mm/dd/yyyy to mm/dd/yyyy):	07/01/2012 to 06/30/2013

I, the undersigned, certify that I have reviewed the overhead rate calculation for the fiscal period as specified above and to the best of my knowledge and belief:

- 1) All costs included to establish the above overhead cost rate are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) of Title 48, Code of Federal Regulation (CRF), part 31
- 2) This overhead cost rate does not include any costs which are expressly unallowable under the cost principles of the FAR of 48 CFR 31.

Check box if the firm has been approved to use the SAFE HARBOR INDIRECT COST RATE of 110% with the understanding that the Safe Harbor Rate will be used for the life of the agreement.

All known material transactions or events that have occurred affecting the firm's ownership Organization and overhead cost rates have been disclosed.

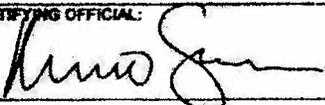
#### CONSULTANT INFORMATION

ROLE: <input type="checkbox"/> Prime <input checked="" type="checkbox"/> Tier 1 <input type="checkbox"/> Tier 2			
LEGAL BUSINESS NAME: Somat Engineering, Inc.	FEDERAL ID NUMBER (Must match prequalification file): 38-2639838		
COMPANY ADDRESS: 660 Woodward Avenue, Suite 2430	CITY: Detroit	STATE: MI	ZIP CODE: 48226
EMAIL ADDRESS: selliot@somateng.com	PHONE NO.: 3139632721		

#### CERTIFYING OFFICIAL

NAME OF CERTIFYING OFFICIAL (Print Name and Title): Sharmyn Elliott, Vice President	SIGNATURE OF CERTIFYING OFFICIAL: 	DATE: 4/1/2014
--	---------------------------------------	-------------------

ATTACHMENT C

Michigan Department of Transportation 5108 (04/13)		<b>CERTIFICATION OF OVERHEAD COST RATE</b>		Page 1 of 1
<p>This Certification is required per U.S. Department of Transportation, Federal Highway Administration (FHWA) Order 4470.1A, and dated October 27, 2010. FHWA has issued this new policy to be effective January 1, 2011, requiring consultants provide certification that costs used to establish overhead cost rates for Federal-aid engineering and design related services contracts do not include any costs which are expressly unallowable; and that the overhead cost rate was established only with allowable costs.</p> <p>This certification is to provide assurance that the overhead costs rate was calculated in accordance with the applicable cost principles contained in the Federal Acquisition Regulations (FAR) of Title 48, Code of Federal Regulations (CFR) Part 31.</p> <p>This form shall be completed and submitted by the prime consultant and each subconsultant (first and second tier subconsultant(s)) that have a derivation of cost sheet as part of this priced proposal where an overhead rate was proposed. Please note that the Certifying Official is defined as the firm's Executive (President, Vice President or equivalent) or Chief Financial Officer.</p>				
<b>PROJECT INFORMATION</b>				
MDOT CONTROL SECTION(S) - JOB NUMBER(S):  <b>CS: Multiple - JN: Multiple</b>			CONTRACT / AUTHORIZATION NUMBER:  <b>N/A</b>	
PROJECT DESCRIPTION:  <b>City of Detroit 2014/15 CE&amp;I</b>				
<b>DECLARATION OF CERTIFICATION</b>				
OVERHEAD COST RATE:				<u>188.50%</u>
DATE OF OVERHEAD COST RATE DETERMINATION (mm/dd/yyyy):				<u>4/25/2013</u>
FISCAL PERIOD COVERED: (mm/dd/yyyy to mm/dd/yyyy)				<u>1/1/2012</u> to <u>12/31/2012</u>
<p>I, the undersigned, certify that I have reviewed the overhead rate calculation for the fiscal period as specified above and to the best of my knowledge and belief:</p> <p>1.) All costs included to establish the above overhead cost rate are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) of title 48, Code of Federal Regulations (CFR), part 31.</p> <p>2.) This overhead cost rate does not include any costs which are expressly unallowable under the cost principles of the FAR of 48 CFR 31.</p> <p>All known material transactions or events that have occurred affecting the firm's ownership, organization and overhead cost rates have been disclosed.</p>				
<b>CONSULTANT INFORMATION</b>				
LEGAL BUSINESS NAME: <b>Surveying Solutions, Inc</b>		FEDERAL ID NUMBER: (Must match prequalification file) <b>38-3620839</b>		ROLE: (Prime, Tier 1, Tier 2) <b>Tier 1 SUB</b>
COMPANY ADDRESS: <b>1000 S. US-27</b>		CITY: <b>St. Johns</b>	STATE: <b>MI</b>	ZIP CODE: <b>48879</b>
EMAIL (AUTHORIZED CONTRACT SIGNER): <b>semenchuk@ssi-mi.com</b>		PHONE NO.: <b>988-227-9212</b>	EMAIL (FOR SIGNED CONTRACT DISTRIBUTION): <b>semenchuk@ssi-mi.com</b>	
By signature on this form, the consultant agrees that information provided in the consultant priced proposal does not contradict the scope of services or violate the contract terms and conditions.				
CERTIFYING OFFICIAL: (Printed Name - Title) <b>Andrew Semenchuk, PS President</b>		SIGNATURE OF CERTIFYING OFFICIAL: 		DATE: <b>4/10/2014</b>

## ATTACHMENT D

### ADA RAMP REPORT SUBMITTAL DEADLINES

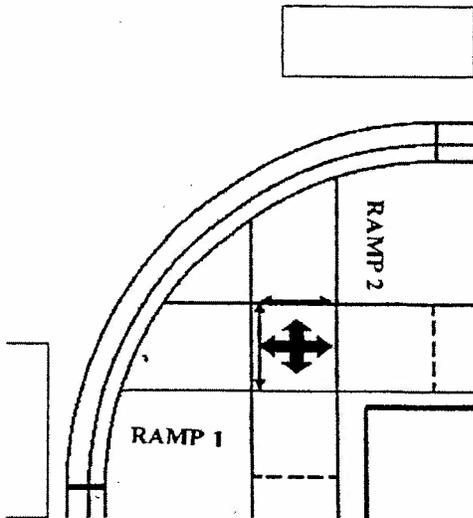
ADA REPORT FOR	CITY TO SUBMIT ADA REPORTS TO THE COURT FOR THE YEAR	TO INCLUDE ADA RAMPS CONSTRUCTED DURING PERIOD FOR THE YEAR	CONSULTANT'S DEADLINE TO SUBMIT ADA RAMP REPORTS TO CED
RESURFACING LIST ONLY	APRIL 30	N/A	N/A
FIRST QUARTER	JUNE 30	JANUARY TO MAY	JUNE 10
SECOND QUARTER	AUGUST 31	JUNE TO JULY	AUGUST 10
THIRD QUARTER	OCTOBER 30	AUGUST TO SEPTEMBER	OCTOBER 10
FINAL REPORT	JANUARY 30	OCTOBER TO DECEMBER	JANUARY 10

## ATTACHMENT D



CITY OF DETROIT  
 DEPARTMENT OF PUBLIC WORKS  
 CITY ENGINEERING DIVISION

65 CADILLAC SQUARE, SUITE 900  
 DETROIT, MICHIGAN 48226-2873  
 PHONE 313 • 224 • 3949  
 FAX 313 • 224 • 3471  
[www.DetroitMI.Gov](http://www.DetroitMI.Gov)



Street	_____
Cross Street	_____
Corner	NW SW NE SE
Contract/Permit	_____
Contractor	_____
Date	_____
Inspected by (signature):	_____
Inspector's Name (printed):	_____

LANDING (see arrows)		RAMP 1	RAMP 2
North - South Center (2.0% max.)		Cross slope (2.0% max.)	
East - West Center (2.0% max.)		Longitudinal slope (8.33% max.)	
Ramp 1 - TOP (2.0% max.)		Meets street smoothly	
Ramp 2 TOP (2.0% max.)		Flare slope (10.0% max.)	
		Detectable Warning:	
		Aligned properly?	

REMARKS:



## SLAVERY ERA RECORD AND INSURANCE DISCLOSURE ORDINANCE

### NOTICE OF ENACTMENT OF ORDINANCE

#### ***TO: THE PEOPLE OF DETROIT, MICHIGAN***

(On June 23, 2004, the City of Detroit adopted the following Ordinance)

### ORDINANCE NO. 20-04

## CHAPTER 18 ARTICLE V

**AN ORDINANCE TO AMEND CHAPTER 18, ARTICLE V, OF THE 1984 DETROIT CITY CODE, TITLED "PURCHASES AND SUPPLIES." BY ADDING DIVISION 7. TITLED "SLAVERY ERA RECORDS AND INSURANCE DISCLOSURE." WHICH SHALL CONSIST OF SECTIONS 18-5-91 THROUGH 18-5-93, TO REQUIRE, AS PART OF THE CONTRACTING PROCESS, THAT EACH CONTRACTOR WITH WHICH THE CITY ENTERS INTO A CONTRACT SEARCH ITS RECORDS AND THOSE OF ANY PREDECESSOR ENTITY, AND SUBMIT AN AFFIDAVIT DISCLOSING ANY RECORDS WITHIN ITS POSSESSION OR KNOWLEDGE RELATING TO INVESTMENTS OR PROFITS FROM THE SLAVE INDUSTRY, INCLUDING INSURANCE POLICIES ISSUED TO SLAVE HOLDERS THAT PROVIDED COVERAGE FOR INJURY, DEATH OR OTHER LOSS RELATED TO SLAVES WHO WERE HELD DURING THE SLAVERY ERA IN THE UNITED STATES.**

AN ORDINANCE to amend Chapter 18, Article V, of the 1984 Detroit City Code, titled "Purchases and Supplies." by adding Division 7. titled "Slavery Era Records and Insurance Disclosure." which shall consist of Sections 18-5-91 through 18-5-93, to require, as part of the contracting process, that each contractor with which the City enters into a contract search its records and those of any predecessor entity, and submit an affidavit disclosing any records within its possession or knowledge relation to investments or profits from the slave industry, including insurance policies issued to slave holders that provided coverage for injury, death or other loss related slaves who were held during the slavery era in the United States.

### **IT IS HEREBY ORDAINED BY THE PEOPLE OF THE CITY OF DETROIT THAT:**

**Section 1.** Chapter 18, Article V, of the 1984 Detroit City Code, titled "Purchases and Supplies." by adding Division 7. titled "Slavery Era Records and Insurance Disclosure." which shall consist of Sections 18-5-91 through 18-5-93, to read as follows:

#### **DIVISION 7. SLAVERY ERA RECORDS AND INSURANCE DISCLOSURE.**

##### **Sec. 18-5-91. Scope.**

- (a) This division shall apply to each contractor for goods or services with which the City enters into a contract, whether or not the contract is subject to competitive bid.
- (b) Each contractor shall be responsible for searching and disclosing records of the entity which proposes to enter into a contract with the City as well as all records of any predecessor entity that are within the possession or knowledge of the contractor regarding records of Investments or profits from the slave Industry, including records of any insurance policies issued to slave holders which provided coverage for injury, death, or other loss related to slaves who were held during the slavery era in the United States.

## SLAVERY ERA RECORD AND INSURANCE DISCLOSURE ORDINANCE

### Sec. 18-5-92. Affidavit of disclosure required.

- (a) As part of its contract package, each contractor with which the City enters into a contract shall submit to the Finance Department Purchasing Division prior to the submission to City Council or approval of such contract, an affidavit that discloses the information indicated in Subsection (b) and (c) of this section. The affidavit shall be on a form provided by the Finance Department Purchasing Division.
- (b) The affidavit shall verify that the contractor has searched all records of the entity which proposes to enter into a contract with the City, as well as all records of any predecessor entity, that are within the possession or knowledge of the contractor regarding records of investments or profits from the slave industry, including records of any insurance policies issued to slave holders which provided coverage for injury, death, or other loss related to slaves who were held during the slavery era in the United states.
- (c) The affidavit shall disclose ay information discovered during the search regarding investments or profits from slavery or slave holder insurance policies which accrued to the current entity or to any predecessor entity, including the names of any slaves or slave holders that are described in such records or are otherwise within the knowledge of the contractor.

### Sec 18-5-93. Voidability of contract.

- (a) Failure to comply with this division shall render the contract voidable by the City.
- (b) A determination to void the contract for failure to comply with this division shall be made by the Director of the Finance Department at any time after reviewing, or become aware of, information which indicates that a contractor has failed to comply with this division.

### Sec 18-5-94—18-5-100. Reserved.

**Section 2.** All ordinances, or parts of ordinances, that conflict with this ordinance are repealed.

**Section 3.** This ordinance is declared necessary for the preservation of the public peace, health, safety, and welfare of the People of the City of Detroit.

**Section 4.** In the event that this ordinance is passed by a two-thirds majority of City Council Members serving, it shall be given immediate effect and shall become effective upon publication in accordance with Section 4-116 of the 1997 Detroit City Charter. Where this ordinance is passed by less than a two-thirds (2/3) majority of City Council Members serving, it shall become effective no later that thirty (30) days after enactment, or on the first business day thereafter in accordance with Section 4-115 of the 1997 Detroit City Charter.

(J.C.C.P.)	May 5, 2004
Passed:	June 23, 2004
Published:	July 19, 2004
Effective:	July 19, 2004

JACKIE L. CURRIE  
City Clerk

## SLAVERY ERA RECORD AND INSURANCE DISCLOSURE ORDINANCE

### CITY OF DETROIT

## SLAVERY ERA RECORD AND INSURANCE DISCLOSURE AFFIDAVIT

1. Name of Contractor: PARSONS BRINCKERHOFF MICHIGAN, INC.
2. Address of Contractor: 500 GRISWOLD STREET  
SUITE 2900  
DETROIT, MI 48226
3. Name of Predecessor Entities (if any): \_\_\_\_\_
4. Prior Affidavit submission?  No  Yes, on: \_\_\_\_\_  
(Date of prior submission)  
If "No", complete Items 5 and 6.  
If "Yes", list date of prior submission above, go to Item 6 and execute this Affidavit.
5. \_\_\_\_\_ Contractor was established in \_\_\_\_\_ (year) and did not exist during the slavery era in the United States, is not a successor in interest to any entity that existed during such time, and therefore has no relevant records to search, or any pertinent information to disclose.  
\_\_\_\_\_ Contractor has searched their records and those of any predecessor entity, and has found no records that they or any predecessor(s) made any investments in, or derived profits from the slave industry or from slaveholder insurance policies.  
\_\_\_\_\_ Contractor has found records that they or their predecessor(s) made investments in, or derived profits from, the slave industry or slaveholder insurance policies. The nature of the investment, profits, or insurance policies, including the names of any slaves or slaveholders, is disclosed in the attached document(s).
6. I declare that the representations made in this Affidavit are accurate to the best of my knowledge and are based upon a diligent search of records in the Contractor's possession or knowledge. All documentation attached to this Affidavit reflects full disclosure of all records that are required to be disclosed to the City of Detroit. I also acknowledge that any failure to conduct a diligent search, or to make a full and complete disclosure, shall render this contract voidable by the City of Detroit.

ERWIN TATEM (Printed Name) PRESIDENT (Title)  
[Signature] (Signature) 7.18.2014 (Date)

Subscribed and sworn to before me this  
18<sup>th</sup> day of July 2014  
Bolde J. Beard  
Notary Public, WAYNE County, Michigan  
My Commission expires: September 15, 2015

CPO: 2891323

# Hiring Policy Compliance

## Summary

The Detroit City Council has approved Ordinance No. 29-11; Detroit City Code of 1984 Section 18-5-81 *et seq.* This ordinance is a revision to the Purchasing Ordinance that relates to the hiring practices of City Contractors. It is commonly referred to as "Ban the Box".

Section 18-5-81 states that it is the purpose of the new ordinance "to ensure that City Contractors afford an individual who is qualified for a position, but has a criminal conviction, the opportunity to apply, and be considered, as an employee needed to fulfill the terms of the contract with the City of Detroit." This applies to all contracts over **\$25,000** that the City enters into, whether for goods or services, and whether or not subject to competitive bidding (although contracts entered into pursuant to a co-op arrangement are exempt). The revision to the Purchasing Ordinance requires that all Contractors shall not inquire about or consider the criminal conviction of their applicants until the prospective employer interviews or determines that the applicant is qualified. This revision does allow contractors to conduct criminal history background checks for positions where there is a statutory duty to perform a pre-employment screening, for example, a child care specialist position in a day care center. However, these exemptions should be verified through the Administration of the Purchasing Division or the City of Detroit Law Department, rather than presumed.

Contractors are responsible to ensure that their subcontractors comply with this policy. Should the contractor solicit any subcontracts, they must notify their subcontractors that there is a joint obligation. The City may, upon request, require documentation of any subcontract. The Hiring Policy Compliance has been incorporated with the other City required Clearances and Affidavits. **The executed Affidavit and a Copy of the Contractor's Application** will be required with all bid recommendations and contracts effective July 1, 2012.

Prior to the submission of a contract to City Council, Purchasing will require that the signed, "Hiring Policy Compliance Affidavit" must be a part of the contract package. This oath states the Contractor will affirm that their policies are in compliance with the requirements and that **a copy of the application form used to hire employees must be attached to the bid response**. A bid response without this affidavit and attached application will be deemed non-responsive, and will not be evaluated. The only exception will be grant funded contracts that include procurement regulations and procedures that prohibit this procedure.





# APPLICATION FOR EMPLOYMENT



Name (Last, First, M.I.) \_\_\_\_\_ Social Security Account No. \_\_\_\_\_

Address \_\_\_\_\_ Area Code & Telephone No. \_\_\_\_\_

City, State \_\_\_\_\_ Zip Code \_\_\_\_\_ ( ) \_\_\_\_\_

Position Desired \_\_\_\_\_ Business Telephone No. \_\_\_\_\_

Salary Desired \$ \_\_\_\_\_ E-mail Address \_\_\_\_\_

Personal Mobile No. \_\_\_\_\_

What prompted your application?

Ad  Knowledge of Company  Agency  PB Employee Referral \_\_\_\_\_  Other \_\_\_\_\_

Name of Employee

Were you ever employed by this firm?

No  Yes When \_\_\_\_\_ Location \_\_\_\_\_

### Education

School	Name and Location	Major Course of Study	Number of Years Attended	Graduated	Degree
High	_____	_____	_____	<input type="checkbox"/> Yes	XXX
	_____			<input type="checkbox"/> No	
College or University	_____	_____	_____	<input type="checkbox"/> Yes	
	_____			<input type="checkbox"/> No	
Graduate	_____	_____	_____	<input type="checkbox"/> Yes	
	_____			<input type="checkbox"/> No	
Other	_____	_____	_____	<input type="checkbox"/> Yes	
	_____			<input type="checkbox"/> No	

Subjects of Specialization which are relevant to position desired \_\_\_\_\_

List all Professional Societies in which you are a member that are relevant to position desired \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

List all relevant Professional Registrations \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

An equal opportunity employer

Previous Employer

Type of Business

Address

Telephone No.

( )

Name and Title of Supervisor

Position Held

Dates Employed

Starting  
Salary:

Final  
Salary:

From: To:

Reason for Leaving

Duties and Responsibilities

Summarize patents, publications, and other significant work or research you have done which are relevant to position desired

Professional or Business References

Name	Address/Telephone No.	Occupation

Are you authorized/certified to work in the United States? \_\_\_Y \_\_\_N If yes, do you require visa sponsorship? \_\_\_Y \_\_\_N If yes, please explain:

I understand that Parsons Brinckerhoff/Heery reserves the right to verify the information I have provided and that any misrepresentation or omission of facts called for can result in cancellation of consideration for employment or in my immediate dismissal; in addition, it is expressly understood and agreed as a condition of employment that my employment with Parsons Brinckerhoff/Heery is terminable at will and may be terminated by me or by Parsons Brinckerhoff/Heery at any time, with or without cause or notice. I hereby release my current and former employers, educational institutions, references and their agents from any and all liability associated with the disclosure of information about me to Parsons Brinckerhoff/Heery.

Signature \_\_\_\_\_

Date \_\_\_\_\_

IN WITNESS WHEREOF, the parties hereto have set their hands and seals by their duly authorized agents and representatives the day and year first above written.

WITNESSES:

1. Belinda F. Beard  
(Signature)

BELINDA F. BEARD  
(Print Name)

2. Aimee Paquin  
(Signature)

Aimee Paquin  
(Print Name)

WITNESSES:

1. Pamela Sarker  
(Signature)

Pamela Sarker  
(Print Name)

2. Rekha Chopra  
(Signature)

REKHA CHOPRA  
(Print Name)

CONSULTANT:

PARSONS BRINCKERHOFF MICHIGAN, INC.

BY [Signature]  
(Signature)

ERWIN TATEM  
(Print Name)

ITS: PRESIDENT  
(Title)

CITY OF DETROIT – DPW

BY [Signature]  
(Signature)

**Ron Brundidge**

ITS: **DIRECTOR**

Provide CE&I Services for Fourteen (14) MDOT Projects  
CPO NO: 2891323  
SPO NO: 2891324

THIS CONTRACT WAS APPROVED  
BY THE CITY COUNCIL ON:  
SEP 24 2014

[Signature]  
Purchasing Director Date

APPROVED BY LAW DEPARTMENT  
PURSUANT TO §6-406 OF THE CHARTER  
OF THE CITY OF DETROIT

[Signature] 9/2/14  
Corporation Counsel Date

THIS CONTRACT IS NOT VALID OR AUTHORIZED UNTIL APPROVED BY  
RESOLUTION OF THE CITY COUNCIL AND SIGNED BY THE PURCHASING  
DIRECTOR.

# CITY ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )

)SS.

COUNTY OF \_\_\_\_\_ )

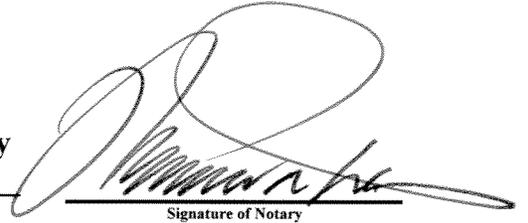
The foregoing contract was acknowledged before me the 4<sup>th</sup> day of August, 2014 by

**Ron Brundidge, the Director of the Department of Public Works**

on behalf of the City.

Provide CE&I Services for Fourteen (14) MDOT Projects  
CPO NO: 2891323  
SPO NO: 2891324

Notary Public, County  
of: \_\_\_\_\_



Signature of Notary

State of:

My commission expires:



**JOSE T ABRAHAM**  
Notary Public, State of Michigan  
County of Macomb  
My Commission Expires Nov. 28, 2016  
Acting in the County of Macomb

# CORPORATE ACKNOWLEDGMENT

STATE OF MICHIGAN )

)SS.

COUNTY OF WAYNE )

The foregoing contract was acknowledged before me the 18<sup>th</sup> day of July, 2014,

by EDWIN E. TATGM  
(Name of person who signed the contract)

the PRESIDENT  
(Title of person who signed the contract as it appears on the contract)

of PARSONS BRINCKERHOFF MICHIGAN, INC.  
(Complete name of the corporation)

on behalf of the Corporation.

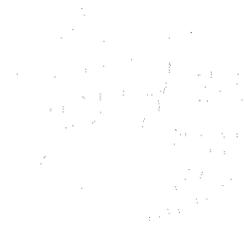
Provide CE&I Services for Fourteen (14) MDOT Projects  
CPO NO: 2891323  
SPO NO: 2891324

Notary Public,  
County of: WAYNE

Bernd F. Baul  
Signature of Notary

State of: MICHIGAN

My commission  
expires: September 15, 2015



# RESOLUTION OF CORPORATE AUTHORITY

I, Lisa M. Palumbo, Corporate Secretary of **Parsons Brinckerhoff Michigan, Inc.**  
(name of corporate secretary)

a **Michigan** corporation (the "Corporation"), DO HEREBY CERTIFY that the following is a true and correct excerpt from the minutes of the meeting of the Board of Directors duly called

and held on June 6, 2014 and that the same is now in full force and effect:  
(date of meeting)

**"RESOLVED**, that the Chairman, the President, each Vice President, the Treasurer, and the Secretary and each of them, is authorized to execute and deliver, in the name of and on behalf of the Corporation and under its corporate seal or otherwise, any agreement or other instrument or document ("Contract") in connection with any matter or transaction that shall have been duly approved; and the execution and delivery of any Contract by any of the aforementioned officers shall be conclusive evidence of such approval."

## I FURTHER CERTIFY that

E. E. Tatem

is Chairman

B. J. Arens

is President

M. L. Lauer and J. Trotta

is (are) Senior

T. Advani, S. E. Binkowski, K. A. Branson, D. J. Chenault, Vice President(s),

S. L. Danielson, S. Mukherjee, S. E. Shogan, & W. R. Zipp is (are) Vice President(s),

M. Bray

is Treasurer,

L. M. Palumbo

is Secretary

**I FURTHER CERTIFY** that any of the aforementioned officers or employees of the Corporation are authorized to execute and commit the Corporation to the conditions, obligations, stipulations and undertakings contained in CPO No. 2891323 to Provide CE&I Services for Fourteen (14) MDOT Projects between Parsons Brinckerhoff Michigan, Inc. and the City of Detroit, acting through the Director of the Department of Public Works and that all necessary corporate approvals have been obtained in relationship thereto.

IN WITNESS THEREOF, I have set my hand this 11th day of July, 2014.

## CORPORATE SEAL

(if any)



Corporate Secretary

Lisa M. Palumbo

**PLEASE NOTE THAT THE PERSON WHO SIGNS THE CONTRACT ON BEHALF OF YOUR CORPORATION MUST BE ONE OF THE INDIVIDUALS LISTED ABOVE AS A PERSON AUTHORIZED TO EXECUTE CONTRACTS IN THE NAME OF AND ON BEHALF OF THE CORPORATION.**