Municipality	LOCAL AGENCY	Illinois Department of Transportation	CONSULTANT	Name
				Alfred Benesch & Company
Township		~~Preliminary~~/Construction Engineering Services Agreement For Non-Motor Fuel Tax Funds		Address 205 N. Michigan Ave.
County Lake County Div. of Transportation				City Chicago
Section 07-00273-01-WR				State Illinois

THIS AGREEMENT is made and entered into this _____ day of _____ , 2015 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above PROJECT. Non-Motor Fuel Tax Funds, allotted to the LA ~~by the State of Illinois under the general supervision of~~ **in coordination with** the State Department of Transportation, hereinafter called the "DEPARTMENT", will be used entirely ~~or in part~~ to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

WHEREVER IN THIS AGREEMENT or attached exhibits the following terms are used, they shall be interpreted to mean:

Regional Engineer	Deputy Director Division of Highways, Regional Engineer, Department of Transportation
Resident Construction Supervisor	Authorized representative of the LA in immediate charge of the engineering details of the PROJECT
Contractor	Company or Companies to which the construction contract was awarded

Section Description

Name Hawley Street Route CH 70 Length 1.19 miles Structure No. N/A

Termini Hawley Street (STA 40+95 to STA 89+78)

Description
Hawley Street Improvements from Midlothian Road to Seymour Avenue.

Agreement Provisions

The Engineer Agrees,

1. To perform or be responsible for the performance of the following engineering services for the LA in connection with the proposed improvement herein before described, and checked below:

   a. ☐ Make such detailed surveys as are necessary for the preparation of detailed roadway plans.

   b. ☐ Make stream and flood plain hydraulic surveys and gather high water data and flood histories for the preparation of detailed bridge plans.

   c. ☐ Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of the DEPARTMENT.

   d. ☐ Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.

DRAFT

e. ☐ Prepare Army Corps of Engineers Permit, Division of Water Resources Permit, Bridge waterway sketch and/or Channel Change sketch, Utility plan and locations and Railroad Crossing work agreements.

f. ☐ Prepare Preliminary Bridge Design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.

NOTE Four copies to be submitted to the Regional Engineer

g. ☐ Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with five (5) copies of the plans, special provisions, proposals and estimates. Additional copies of any or all documents, if required shall be furnished to the LA by the ENGINEER at his actual cost for reproduction.

h. ☐ Furnish the LA with survey and drafts in quadruplicate of all necessary right-of-way dedications, construction easements and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

i. ☐ Assist the LA in the receipt and evaluation of proposals and the awarding of the construction contract.

j. ☐ Furnish or cause to be furnished:

(1) Proportioning and testing of concrete mixtures in accordance with the "Manual of Instructions for Concrete Proportioning and Testing" issued by the Bureau of Materials and Physical Research, of the DEPARTMENT and promptly submit reports on forms prepared by said Bureau.
(2) Proportioning and testing of bituminous mixtures (including extracting test) in accordance with the "Manual of Instructions for Bituminous Proportioning and Testing" issued by the Bureau of Materials and Physical Research, of the DEPARTMENT, and promptly submit reports on forms prepared by said Bureau.
(3) All compaction tests as required by the specifications and report promptly the same on forms prepared by the Bureau of Materials and Physical Research.
(4) Quality and sieve analyses on local aggregates to see that they comply with the specifications contained in the contract.
(5) Inspection of all materials when inspection is not provided at the sources by the Bureau of Materials and Physical Research, of the DEPARTMENT and submit inspection reports to the LA ~~and the DEPARTMENT~~ in accordance with the policies of the said DEPARTMENT.

k. ☒ Furnish or cause to be furnished

(1) A resident construction supervisor, inspectors, and other technical personnel to perform the following work: (The number of such inspectors and other technical personnel required shall be subject to the approval of the LA.)
   a. Continuous observation of the work and the contractor's operations for compliance with the plans and specifications as construction proceeds, but the ENGINEER does not guarantee the performance of the contract by the contractor.
   b. ~~Establishment and setting~~ spot checking of lines and grades.
   c. Maintain a daily record of the contractor's activities throughout construction including sufficient information to permit verification of the nature and cost of changes in plans and authorized extra work.
   d. Supervision of inspectors, proportioning engineers and other technical personnel and the taking and submitting of material samples.
   e. Revision of contract drawings to reflect as built conditions.
   f. Preparation and submission to the LA in the required form and number of copies, all partial and final payment estimates, change orders, records and reports required by the LA ~~and the DEPARTMENT~~.

g. At least one DECI-certified employee available for erosion control inspection duties

NOTE: ***~~When Federal funds are used for construction and the ENGINEER or the ENGINEER's assigned staff is named as resident construction supervisor,~~ the ENGINEER is required to be prequalified with the STATE in Construction Inspection. The onsite resident construction supervisor and project inspectors shall possess valid Documentation of Contract Quantities certification***.

2. That all ~~reports, plans, plats and special provisions~~ **construction documentation** to be furnished by the ENGINEER pursuant to this agreement will be in accordance with the current standard specifications and policies of the DEPARTMENT **& the LA**, it being understood that all ~~such reports, plats, plans and drafts~~ **construction documentation** shall before being finally accepted, be subject to approval by the LA ~~and the said DEPARTMENT~~.
3. To attend conferences at any reasonable time when requested to do so by the LA ~~or representatives of the DEPARTMENT~~.
4. ~~In the event plans, surveys or construction staking are found to be in error during the construction of the PROJECT and revisions of the plans or survey or construction staking corrections are necessary, the ENGINEER agrees that he will perform such work without expense to the LA, even though final payment has been received by him. He shall give immediate attention to these changes so there will be a minimum delay to the contractor.~~
5. The basic survey notes and sketches, charts, computations and other data prepared or obtained by the ENGINEER pursuant to this agreement will be made available upon request to the LA ~~or the DEPARTMENT~~ without cost and without restriction or limitations as to their use.
6. ~~To make such changes in working plans, including all necessary preliminary surveys and investigations, as may be required after the award of the construction contract and during the construction of the improvement.~~
7. That all plans and other documents furnished by the ENGINEER pursuant to the AGREEMENT will be endorsed by him and will show his professional seal where such is required by law.
8. To submit, upon request by the LA ~~or the DEPARTMENT~~ a list of the personnel and the equipment he/she proposes to use in fulfilling the requirements of this AGREEMENT.

The LA Agrees,

1. ~~To pay the Engineer as compensation for all services performed as stipulated in paragraphs 1a, 1g, 1i, 2, 3, 5 and 6 in accordance with one of the following methods indicated by a check mark:~~

   a ☐ ~~A sum of money equal to~~ _____ ~~percent of the awarded contract cost of the proposed improvement as approved by the DEPARTMENT.~~

   b. ☐ ~~A sum of money equal to the percentage of the awarded contract cost for the proposed improvement as approved by the DEPARTMENT based on the following schedule:~~

   ~~Schedule for Percentages Based on Awarded Contract Cost~~

~~Awarded Cost~~	~~Percentage Fees~~	
~~Under $50,000~~	_____	~~(see note)~~
	_____	~~%~~
	_____	~~%~~
	_____	~~%~~
	_____	~~%~~
	_____	~~%~~

   ~~Note: Not necessarily a percentage. Could use per diem, cost-plus or lump sum.~~

2. To pay for services stipulated in paragraphs ~~1b, 1c, 1d, 1e, 1f, 1h,~~ 1j and 1k of THE ENGINEER AGREES at the hourly rates stipulated below for personnel assigned to this PROJECT as payment in full to the ENGINEER for the actual time spent in providing these services the hourly rates to include profit, overhead, readiness to serve, insurance, social security and retirement deductions. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided under paragraphs ~~1b, 1c, 1d, 1e, 1f,~~ 1j and 1k of THE ENGINEER AGREES. If the ENGINEER sublets all or a part of this work, the LA will pay the cost to the ENGINEER plus a five (5) percent service charge. “Cost to ENGINEER” to be verified by furnishing the LA ~~and the DEPARTMENT~~ copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm including the Principal Engineer perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed.

Grade Classification of Employee	Hourly Rate (2015)	(2016)
Senior Project Manager	$210.00	$215.00
Resident Engineer	$135.00	$138.00
Construction Rep III	$110.00	$113.00
Construction Rep II	$100.00	$103.00
Construction Rep I	$90.00	$93.00
Senior Construction Rep.	$130.00	$133.00
Sr. Party Chief (Survey)	$110.00	$113.00
Sr. Surveyor (Survey)	$130.00	$133.00
Resident Project Asst.	$80.00	$83.00
Proj. Manager I (Design)	$145.00	$150.00
Proj. Manager II(Design)	$165.00	$170.00

The hourly rates itemized above shall be effective the date the parties, hereunto entering this AGREEMENT, have affixed their hands and seals and shall remain in effect until 3/1/2017 . In event the services of the ENGINEER extend beyond 3/1/2017 , the hourly rates will be adjusted yearly by addendum to this AGREEMENT to compensate for increases or decreases in the salary structure of the ENGINEER that are in effect at that time.

The Total Not-to-Exceed Contract Amount shall be $1,186,410.00 **as shown on the attached Exhibit A – Construction Engineering (Cost Estimate of Consultant Services)**

3. That payments due the ENGINEER for services rendered pursuant to this AGREEMENT will be made as soon as practicable after the services have been performed. ~~in accordance with the following schedule~~:

   a. ~~Upon completion of detailed plans, special provisions, proposals and estimate of cost - being the work required by paragraphs 1a through 1g under THE ENGINEER AGREES - to the satisfaction of the LA and their approval by the DEPARTMENT, 90 percent of the total fee based on the above fee schedule and the approved estimate of cost.~~
   b. ~~Upon award of the contract for the improvement by the LA and its approval by the DEPARTMENT, 100 percent of the total fee (excluding any fees paragraphs 1j and 1k of the ENGINEER AGREES), based on the above fee schedule and the awarded contract cost, less any previous payment.~~
   c. ~~Upon completion of the construction of the improvement, 90 percent of the fee due for services stipulated in paragraphs 1j and 1k.~~
   d. ~~Upon completion of all final reports required by the LA and the DEPARTMENT and acceptance of the improvement by the DEPARTMENT, 100 percent of the total fees due under this AGREEMENT, less any amounts previously paid.~~

   ~~By mutual agreement, partial payments, not to exceed 90 percent of the amount earned, may be made from time to time as the work progresses~~.

4. That should the improvements be abandoned at any time after the ENGINEER has performed any part of the services provided for in paragraphs **1j and 1k**,and prior to the completion of such services the LA shall reimburse the ENGINEER for his actual costs plus 185 percent incurred up to the time he is notified in writing of such abandonment "actual cost" being defined as material costs plus actual payrolls, insurance, social security ~~and~~ retirement deductions **and profit**. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost.

5. That should the LA require changes in any of the detailed plans, specifications or estimates ~~(except for those required pursuant to paragraph 4 of THE ENGINEER AGREES)~~ ~~after they have been approved by the DEPARTMENT~~, the LA will pay the ENGINEER for such changes on the basis of actual cost plus 185 percent to cover profit, overhead and readiness to serve - "actual cost" being defined as in paragraph 4 above. ~~It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of his responsibility to prepare a complete and adequate set of plans.~~

6. That should the LA extend completion of the improvement beyond the time limit given in the contract, the LA will pay the ENGINEER, in addition to the fees provided herein, his actual cost incurred beyond such time limit - "actual cost" being defined as in paragraph 4 above.

7. To submit approved forms BC 775 and BC 776 with this AGREEMENT ~~when federal funds are used for construction~~.

It is Mutually Agreed,

1. That any difference between the ENGINEER and the LA concerning the interpretation of the provisions of this AGREEMENT shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER one member appointed by the LA and a third member appointed by the two other members for disposition and that the committee's decision shall be final.

2. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at his last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all ~~drawings, specifications, partial and completed estimates and data if any from traffic studies and soil survey and subsurface investigations~~ **construction documentation** with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with Section 4 of THE LA AGREES.

3. ~~That if the contract for construction has not been awarded one year after the acceptance of the plans by the LA and their approval by the DEPARTMENT, the LA will pay the ENGINEER the balance of the engineering fee due to make 100 percent of the total fees due under the AGREEMENT, based on the estimate of cost as prepared by the ENGINEER and approved by the LA and the DEPARTMENT.~~

4. That the ENGINEER warrants that he/she has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract and that he/she has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, 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 LA shall have the right to annul this contract without liability.

IN WITNESS WHEREOF, the parties have caused this AGREEMENT to be executed in ~~quadru-~~triplicate counterparts, each of which shall be considered as an original by their duly authorized offices.

Executed by the LA:

County of Lake of the
(~~Municipality/Township~~/County)

ATTEST:

By _____

Lake County Clerk

(Seal)

State of Illinois, acting by and through its

County Board ,

By _____

Title: Chairman of the County Board

RECOMMENDED FOR EXECUTION

_____

Paula J. Trigg, P.E.
Director of Transportation/ County Engineer
Lake County

Executed by the ENGINEER:

Alfred Benesch & Company

205 N. Michigan Ave., Ste 2400

Chicago, IL 60601

ATTEST:

By _____
Hossam M. Abdou
Title: Vice President

_____
Kevin J. Fitzpatrick
Title: Executive Vice President

Note: Three (3) Original Executed Contracts – (2) Lake County; (1) Consultant

Monitoring Report

CONSTRUCTION ENGINEERING SERVICES

Hawley Street Reconstruction

EXHIBIT B

Alfred Benesch & Co.

		2015	2016	2017	2015							2015	2016													2016	2017			2015	2016	2017	Total	Vehicle	Labor
Position	Classification	Hrly. Rate	Hrly. Rate	Hrly. Rate	7-Jun	5-Jul	2-Aug	30-Aug	27-Sep	25-Oct	22-Nov	20-Dec	17-Jan-16	14-Feb-16	13-Mar	10-Apr	8-May	5-Jun	3-Jul	31-Jul	28-Aug	25-Sep	23-Oct	20-Nov	18-Dec	15-Jan-17	12-Feb-17	12-Mar	Manhours	Manhours	Manhours	Manhours	Days	Amount
Senior Project Manager	Sr. Proj. Manager	$210.00	$215.00	$220.00	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	28	48	0	76	8	$16,200.00
Resident Engineer	Resident Project Manager I	$135.00	$138.00	$140.00	0	160	160	160	160	160	160	160	160	160	160	180	160	160	160	180	180	180	180	180	160	160	80	0	1120	2,200	240	3560	375	$488,400.00
Assistant Resident Engineer	Construction Representative III	$110.00	$113.00	$115.00	0	0	80	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	80	0	0	880	2,080	80	3040	320	$341,040.00
Field Engineer	Construction Representative II	$100.00	$103.00	$106.00	0	0	0	0	0	0	0	0	0	0	0	80	160	160	160	160	160	160	160	0	0	0	0	0	0	1,200	0	1200	126	$123,600.00
Field Engineer	Construction Representative I	$90.00	$93.00	$96.00	0	0	0	0	0	0	0	0	0	0	0	0	0	160	160	160	0	0	0	0	0	0	0	0	0	480	0	480	51	$44,640.00
Materials	Senior Construction Rep.	$130.00	$133.00	$136.00	0	0	0	10	10	0	0	0	0	0	0	20	20	20	20	0	0	0	0	0	0	0	0	0	20	80	0	100	11	$13,240.00
Survey	Senior Party Chief (Survey)	$110.00	$113.00	$116.00	0	0	20	20	20	20	20	0	0	0	0	0	0	40	40	40	20	20	40	0	0	0	0	0	100	200	0	300	32	$33,600.00
Survey	Sr. Surveyor	$130.00	$133.00	$136.00	0	0	5	5	5	5	5	0	0	0	0	0	0	0	5	5	5	5	0	0	0	0	0	0	25	20	0	45	5	$5,910.00
Public Outreach/Website	Resident Project Assistant	$80.00	$83.00	$86.00	0	10	10	10	10	10	10	0	0	0	0	10	0	10	10	10	0	0	0	0	0	0	0	0	60	40	0	100	11	$8,120.00
RFI/Shop Drawing Review	Project Manager I (Design)	$145.00	$150.00	$155.00	0	10	10	10	10	0	0	0	0	0	0	0	0	0	10	10	10	0	0	0	0	0	0	0	40	30	0	70	7	$10,300.00
RFI/Shop Drawing Review	Project Manager II (Design)	$165.00	$170.00	$175.00	0	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	60	6	$9,900.00
					0	204	513	912	1291	1650	2009	2333	2657	2981	3305	3759	4263	4977	5706	6435	6974	7503	8047	8391	8711	8951	9031	9031	2333	6,378	320	9031	951	$1,094,950.00

Benesch Sub Total	$1,094,950.00
Benesch Direct Costs	$61,460.00
STATE Testing	$15,000.00
Images Inc.	$15,000.00
TOTAL	$1,186,410.00

*** This estimate of man-hours is based on a letting in May with work in 2015 wrraping up in November.**

*** Work is to be resumed in the Spring of 2016 with a substantial completion date of October 31, 2016. Punchlist will take place after the substantial completion.**

*** LCDOT Materials will perform the HMA and concrete testing.**

*** Benesch will create and maintain a project website. Mailings, flyers and posters are included in this estimate.**

*** The contractor is responsible for survey layout. Benesch will perform periodic checking and calculate earthwork quantities.**

*** Inspection of the Village of Mundelein water and sanitary work in terms of compliance with the plans and specifications will be performed, along with documentation of quantities for payment.**

The Village will be responsible for additional inspection to make changes to their facilities based on the unforseen or their desires as owners.

COST ESTIMATE OF CONSULTANT SERVICES

EXHIBIT C

CONSTRUCTION ENGINEERING SERVICES
Hawley Street Reconstruction

ESTIMATE OF DIRECT COSTS

Alfred Benesch & Company

ITEM	UNIT	UNIT COST	QUANTITY	COST
VEHICLE	DAY	$65	900	$58,500
MOBILE PHONES	MONTH	$0	0	$0
JOB PHOTOGRAPHS / VIDEOTAPING	MONTH	$30	16	$480
OVERNIGHT DELIVERY/POSTAL COURI	MONTH	$30	16	$480
MISC./FLYERS/POSTERS/MAILINGS	LS	$2,000	1	$2,000
			TOTAL	$61,460

COST PLUS FIXED FEE
COST ESTIMATE OF CONSULTANT SERVICES

DF-824-039
REV 12/04

FIRM S.T.A.T.E. Testing LLC

DATE 04/26/15

PSB Hawley

OVERHEAD RATE 147.11%

PRIME/SUPPLEMENT Prime

COMPLEXITY FACTOR 0

DBE DROP BOX	ITEM	MANHOURS (A)	PAYROLL (B)	OVERHEAD & FRINGE BENF (C)	IN-HOUSE DIRECT COSTS (D)	FIXED FEE (E)	Outside Direct Costs (F)	SERVICES BY OTHERS (G)	DBE TOTAL (H)	TOTAL (B-G)	% OF GRAND TOTAL
	SoilsInspection	31	1,265.42	1,861.56	1,122.14	616.12	2,050.00			6,915.24	46.10%
	QA HMA Inspection	35	1,428.70	2,101.76		511.92				4,042.38	26.95%
	QA PCC Inspection	35	1,428.70	2,101.76		511.92				4,042.38	26.95%
	Subconsultant DL					0.00				0.00	0.00%
	TOTALS	101	4,122.82	6,065.08	1,122.14	1,639.96	2,050.00	0.00	0.00	**15,000.00**	100.00%

DBE 0.00%

DBE

PREPARED BY THE AGREEMENTS UNIT

Printed 4/26/2015 4:15 PM

PAYROLL ESCALATION TABLE
FIXED RAISES

FIRM NAME	S.T.A.T.E. Testing LLC	**DATE**	04/26/15
PRIME/SUPPLEMENT	Prime	**PTB NO.**	Hawley

CONTRACT TERM	6	**MONTHS**	**OVERHEAD RATE**	147.11%
START DATE	7/1/2015		**COMPLEXITY FACTOR**	0
RAISE DATE	1/1/2016		**% OF RAISE**	3.00%

ESCALATION PER YEAR

7/1/2015 - 1/1/2016				
6				
6				

= 100.00%
= 1.0000

The total escalation for this project would be: **0.00%**

PAYROLL RATES

FIRM NAME **S.T.A.T.E. Testing LLC** **DATE** **04/26/15**
PRIME/SUPPLEMENT **Prime**
PSB NO. **Hawley**

ESCALATION FACTOR **0.00%**

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Principal	$70.00	$70.00
Associate Engineer/PM	$70.00	$70.00
Senior Engineer	$56.00	$56.00
Professional Engineer	$54.47	$54.47
Civil Engineer	$33.50	$33.50
Materials Coordinator	$41.06	$41.06
Laboratory Manager	$42.65	$42.65
Quality Assurance Manager	$38.75	$38.75
Staff Accountant	$33.50	$33.50
Administrative Assistant I	$22.00	$22.00
Engineering Technician	$28.37	$28.37
CWI	$42.32	$42.32
Level III Technician	$40.43	$40.43
Laboratory Technician II	$25.62	$25.62
Laboratory Technician	$15.91	$15.91
Material Tester 1	$40.82	$40.82
Material Tester 2	$40.82	$40.82
Apprentice	$28.54	$28.54
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00

AVERAGE HOURLY PROJECT RATES

FIRM S.T.A.T.E. Testing LLC
PSB Hawley
PRIME/SUPPLEMENT Prime

DATE 04/26/15

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			SoilsInspection			QA HMA Inspection			QA PCC Inspection								
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	70.00	0																	
Associate Engineer/F	70.00	0																	
Senior Engineer	56.00	0																	
Professional Enginee	54.47	0																	
Civil Engineer	33.50	0																	
Materials Coordinato	41.06	0																	
Laboratory Manager	42.65	0																	
Quality Assurance M	38.75	0																	
Staff Accountant	33.50	0																	
Administrative Assist	22.00	0																	
Engineering Technici	28.37	0																	
CWI	42.32	0																	
Level III Technician	40.43	0																	
Laboratory Technicia	25.62	0																	
Laboratory Technicia	15.91	0																	
Material Tester 1	40.82	101	100.00%	40.82	31	100.00%	40.82	35	#######	40.82	35	100.00%	40.82						
Material Tester 2	40.82	0																	
Apprentice	28.54	0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
TOTALS		101	100%	$40.82	31	100.00%	$40.82	35	100%	$40.82	35	100%	$40.82	0	0%	$0.00	0	0%	$0.00

PREPARED BY THE AGREEMENTS UNIT

Direct Cost Breakdown
Hawley Street
Lake

Vehicles

	Unit Cost	Quantity	Units	Total Cost
Daily Charge	$ 65.00	15	Days	$ 975.00

$ 975.00

Lab Testing

BITUMINOUS MATERIALS LABORATORY SERVICES				
BULK SPECIFIC GRAVITY (Gmb, or "d") GYRATORY SPECIMEN (AVG. OF 2)	$440	1	EACH	**$440**
HMA AND SMA – MAXIMUM SPECIFIC GRAVITY(Gmm)	$190	1	EACH	**$190**
EXTRACTION (REFLUX) WITH WASHED GRAD. (ASTM D 2172,C 136)	$320	1	EACH	**$320**
EXTRACTION (IGNITION) WITH WASHED GRAD. (ASTM D 2172,C 136)	$275		EACH	**$0**
EXTRACTION (CENTRIFUGE) WITH WASHED GRAD.	$525		EACH	**$0**
W/MOISTURE CORR. (ASTM C-566 & D-146)			EACH	**$0**
PAVEMENT ANALYSIS – SINGLE CORE(4")	$65			**$0**
W/SAW CUTTING (ASTM D 2726)			EACH	**$0**
PAVEMENT ANALYSIS – SINGLE CORE(6") W/SAW CUTTING (ASTM D 2726)	$65	6	EACH	**$390**
SUPERPAVE PRODUCTION MIX VERIFICATION*				
(Includes: Reflux Extraction, Gmm, Gmb)	$875		EACH	**$0**
(Includes: Ignition Extraction, Gmm, Gmb)	$800		EACH	**$0**
NUCLEAR CORRELATION UP TO 4 GAUGES	$550		EACH	**$0**
-ADDITIONAL GAUGES (EACH)	$55		EACH	**$0**
-LINEAR REGRESSION OF CORES (15 CORES/$25 EACH)	$715		EACH	**$0**
AGGREGATE LABORATORY SERVICES				
DRY GRADATION (ASTM C 136)	$105		EACH	**$0**
WASHED GRADATION (ASTM C 136)	$150		EACH	**$0**
SPECIFIC GRAVITY AND ABSORPTION (ASTM C 127, C 128)	$240		EACH	**$0**
MOISTURE CONTENT	$90		EACH	**$0**
MINERAL FILLER GRADATION (ASTM D 546)	$135		EACH	**$0**
PGE TESTING (Washed Gradation)	$300		EACH	**$0**
PGE TESTING (Dry Gradation)	$250		EACH	**$0**
AGGREGATE LABORATORY SERVICES(Cont)				
COMPRESSIVE STRENGTH OF CYLINDERS WITH CURE TIME UP TO 28 DAYS-S.T.A.T.E.	$23	20	EACH	**$460**
Testing made			EACH	**$0**
COMPRESSIVE STRENGTH OF CYLINDERS WITH CURE TIME UP TO 28 DAYS-non-S.T.A.T.E. Testing made	$33		EACH	**$0**
FLEXURAL STRENGTH OF BEAMS WITH IL. MODIFIED SINGLE POINT LOADING	$55		EACH	**$0**
FLEXURAL STRENGTH OF BEAMS WITH ASTM THREE POINT LOADING	$66		EACH	**$0**
SULFUR CAPPING			EACH	**$0**
CYLINDER PICK-UP	$215		EACH	**$0**
SOILS LABORATORY SERVICES *				

STANDARD PROCTOR (AASHTO T99, ASTM D698)	$250	1	EACH	**$250**	
MODIFIED PROCTOR (AASHTO T180, ASTM D1557)	$275		EACH	**$0**	
PLASTICITY INDEX (AASHTO T90, ASTM D4318)	$135		EACH	**$0**	
HYDROMETER TEST (AASTO T-88)	$135		EACH	**$0**	
ORGANIC CONTENT (AASHTO T-267, ASTM D-2974)	$160		EACH	**$0**	
PH OF SOILS (AASHTO T-289)	$95		EACH	**$0**	
MOISTURE CONTENT	$50		EACH\		
GRAQDATION SOILS	$135		EACH	**$0**	
TOTAL LABORATORY CHARGES					$2,050

Premium Overtime	Reg Rate	Premium	Est OT Hours		
Overtime					
Level III	$40.43	$ 20.22	0	$ -	
Level II		$ -	0	$ -	
Level I		$ -	0	$ -	
Material Tester 2	$40.82	$ 20.41	1	$ 20.41	
Material tester 1	$40.82	$ 20.41	1	$ 20.41	
Night Differential					
Level III	$40.43	$ 4.04	0	$ -	
Level II		$ -	0	$ -	
Level II		$ -	0	$ -	
Material Tester 2	$40.82	$ 4.08		$ -	
Material tester 1	$40.82	$ 4.08		$ -	
Per union Contract hours between 6pm and 6am receives 10% Shift differential.					$ 40.82
Other					
Postage	$106.32		At Cost	**$106.32**	$106.32
UNIT RATE COSTS					$2,050.00
DIRECT COSTS					$1,122.14
Total Direct Cost					$ 3,172.14

HOUR ESTIMATE: Hawley Street Phase III

Images, Inc.

Task	Total MH
Project Mailing List	
ID Stakeholders	12
subtotal	12
Kick off Public Meeting	
Press Release- Develop, edit, and release	6
Monitor media/social media correspondence and maintain 3rd party information (2 months)	12
ID location and meeting planning	14
Develop and edit presentation with voice over	31
Develop and edit boards (8 boards) (Prime to print)	24
Dry Run planning	12
Dry Run- Attend	8
E-blast invitation notification	13
	0
subtotal	120
Fact Sheets (2 page)	
Prepare content and graphics, edit, and design	24
Print Fact Sheets (Direct costs)-Prime to print	0
	0
Subtotal	24
LCDOT and Consultant Coordination, Administration	
LCDOT & Consultant Coordination (4 mos)	20
Administration	15
	0
Subtotal	35
TOTAL	174

PAYROLL ESCALATION TABLE
FIXED RAISES

FIRM NAME	Images, Inc.	**DATE**	04/26/15
PRIME/SUPPLEMENT	PRIME	**PTB NO.**	

CONTRACT TERM	5	**MONTHS**	**OVERHEAD RATE**	76.09%
START DATE	6/1/2015		**COMPLEXITY FACTOR**	0
RAISE DATE	7/1/2015		**% OF RAISE**	3.00%

ESCALATION PER YEAR

6/1/2015 - 7/1/2015	7/2/2015 - 11/1/2015			
1 / 5	4 / 5			
= 20.00%	82.40%			
= 1.0240				

The total escalation for this project would be: **2.40%**

PAYROLL RATES

FIRM NAME Images, Inc. **DATE** 04/26/15
PRIME/SUPPLEMENT PRIME
PSB NO.

ESCALATION FACTOR 2.40%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Project Manager II	$57.70	$59.08
Project Manager III	$46.00	$47.10
Project Coordinator III	$22.72	$23.27
Administrator	$45.86	$46.96
Graphic Designer II	$32.69	$33.47
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
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		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00

LakeCounty Division of Transportatio

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COST PLUS FIXED FEE
ESTIMATE OF CONSULTANT SERVICES

FIRM Images, Inc.

PSB PRIME

PRIME/SUPPLEMENT

OVERHEAD RATE 0.7609

COMPLEXITY FACTOR 0

DATE 04/26/15

DBE DROP BOX	ITEM	MANHOURS (A)	PAYROLL (B)	OVERHEAD & FRINGE BENF (C)	IN-HOUSE DIRECT COSTS (D)	FIXED FEE (E)	Outside Direct Costs (F)	SERVICES BY OTHERS (G)	DBE TOTAL (H)	TOTAL (B-G)	% OF GRAND TOTAL
DBE	17: Public Involement	174	6,813.31	5,184.25		2,520.92	544.00		15,062.48	15,062.48	100.00%
	17: Public Involement										
						0.00				0.00	0.00%
	Subconsultant DL	174	6,813.31	5,184.25	0.00	2,520.92	544.00	0.00	15,062.48	**15,062.48**	100.00%
	TOTALS										

DBE 100.00%

DBE

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AVERAGE HOURLY PROJECT RATES

FIRM Images, Inc.
PSB
PRIME/SUPPLEMENT PRIME

DATE 04/26/15

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			17: Public Involement														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Project Manager II	59.08	26	14.94%	8.83	26	14.94%	8.83												
Project Manager III	47.10	49	28.16%	13.26	49	28.16%	13.26												
Project Coordinator III	23.27	47	27.01%	6.28	47	27.01%	6.28												
Administrator	46.96	10	5.75%	2.70	10	5.75%	2.70												
Graphic Designer II	33.47	42	24.14%	8.08	42	24.14%	8.08												
		0																	
		0																	
		0																	
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TOTALS		174	100%	$39.16	174	100.00%	$39.16	0	0%	$0.00	0	0%	$0.00	0	0%	$0.00	0	0%	$0.00

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Project - Hawley-Phase III: Public Involvement-DIRECT COSTS
Images, Inc.

TASK Description	Quantity	Unit Cost	TOTAL	Task Group Total
Kick off Meeting and Dry Run				
Prepare comment sheets and sign-in sheets (3 versions)	15	$1.00	$15	
Badges, meeting materials	1	$20.00	$20	
Dry Run copies	80	$1.00	$80	
Mileage	160	$0.56	$90	
Meeting equipment	1	$150.00	$150	
				$355
LCDOT Coordination and Administration				
Mileage	160	$0.56	$90	
Copies	100	$1.00	$100	
				$190
TOTAL DIRECT COSTS				**$544**