

July 18, 2016

Mr. Bill McKenna, P.E.  
Village Engineer  
Village of Oak Park  
Engineering Division of the Public Works Department  
201 South Boulevard  
Oak Park, Illinois 60302

**Re: Revised Cost Proposal for RFP Solicitation #16-100: Professional Engineering Services for Design Engineering (Phases I & II for the Lake Street Streetscape, resurfacing and Utility projects**

Dear Mr. McKenna:

Please find attached the revised cost proposal for the Lake Street Improvements Phase I/II Project. Based on discussions with Oak Park staff and subsequent evaluation of work scope and effort needed to complete the project, Thomas Engineering Group offers the revised cost proposal. This complete fee package, including the revised CECS, is based on the original scope of work contained in our written, technical proposal and an appendix of clarifications and revised list of assumptions. An original assumptions list was included with our proposal but has been updated based on further refinement and interpretation of the scope. Overall, our total fee for engineering services totals \$1.08M. We are confident that we can accomplish all of the project goals and scope of work as listed herein and look forward to selection.

We remain committed to the Village of Oak Park and the successful completion of the Lake Street Improvements Project. Our team is excited to partner with your staff and begin working towards a Lake Street solution that provides great traffic flow, coordinated user mobility and economic development opportunities in Downtown Oak Park. Should you require additional information, please contact Kevin VanDeWoestyne.

Sincerely,  
**thomas engineering group, llc**

  
Thomas E. Gill, III, P.E.  
President

  
Kevin C. VanDeWoestyne P.E., ENV SP  
Municipal Department Head

cc: Byron Kutz – Assistant Village Engineer  
Steve Pasinski – Project Manager, TEG



## Notes & Assumptions regarding the scope of services

The following pages, rates, and tables represent what Thomas Engineering Group, LLC (TEG) has developed in terms of our engineering work effort and fee. TEG proposes to provide Professional Engineering Services in accordance with the written Proposal dated June 23, 2016 and changes noted in this Appendix. This Appendix is based on discussions held between the Village of Oak Park and TEG proposed project team members following the interview.

We believe that the proposed work effort and fee accurately reflects the scope of work as described in our Proposal and expected by the Village.

TEG will provide project administration throughout the duration of the project. This includes coordination of staff and sub-consultant assignments, scheduling, progress reports, meeting minutes, and invoicing on a monthly basis. This task will be completed by TEG Project Manager.

- 1) Landscaping Design, Standards, Specs and Estimate will be performed by Lakota Group. Minimal effort has been included for coordination and incorporation of the Landscape plans into the Roadway Plans.
- 2) Design work related to filling or reconstructing vaulted sidewalk is not included in the scope
- 3) The TEG team will only be responsible for the layout of geotechnical work and incorporation of Special Waste pay items in the Reconstruction/Streetscape and Sewer and Water PS&E, as necessary.
- 4) Tree survey and evaluation is not included in the scope
- 5) It is assumed that there will be 3 steering committee meetings, 2 Village Board Meetings and 1 BLRS meeting during preliminary engineering. Along with 10 SMALL SCALE/ONE-ON-ONE MEETINGS.
- 6) Lakota Group to provide comprehensive stakeholder list to be use for Lake Street Streetscape (we will cross reference with title search info). - No separate project website – Oak Park website to host project pages
  - No small group meetings
  - All media relations (news releases, interviews, ribbon cutting ceremony) will be covered by Oak Park Staff
- 7) Only 4 time periods will be evaluated (AM, PM, off-peak, Weekend midday) in the Synchro/SimTraffic models for the existing condition/near term and the future conditions/post streetscape
  - Up to 25 intersections are assumed to be included in the analysis
  - All timing data provided by Village are the latest and greatest.
  - Adaptive traffic signal evaluation will only include:
    - o Review and summarize the state of practice in deploying adaptive traffic signals to identify operational advantages and disadvantages.
    - o Investigate implementation costs and benefits.Incorporation of the recommendations into the final design of both the near term and long term solutions is assumed in the proposed hours.
- 8) Scope does not include the design or implementation of wayfinding signage.
- 9) Fully developed Wayfinding Design, Standards, Specifications and Estimates will be provided



by Lakota Group. Work effort shall include coordination with Lakota Group and implementation of wayfinding design features, details, and specifications for inclusion in the Roadway Reconstruction/Streetscape Plans. TEG shall integrate Lakota's wayfinding design into the construction contract document, communicate BLRS review comments to Lakota, and address design deficiencies in combination with Lakota, and resolve BLRS review comments pertaining to landscape features. This scope is limited to wayfinding signage located within Village R.O.W. Supplemental design features such as concrete foundations, lighting, and wind load calculations, if necessary, will be performed separately under a separate contract.

- 10) The existing drainage conditions are considered adequate throughout the Resurfacing area project limits.
- 11) The Resurfacing plans and contract documents shall include the level of effort required to provide a 10-15 year service life of the pavement section including necessary improvements to the associated utility structures/frames/etc. The consultant shall use the utility structure inventory and manhole inspection sheets, completed by TEG as part of the topographic survey, to identify brick or precast utility structures which require improvements (reconstruction 2'-4', adjustment, new frames and lids, etc.). Please adjust work effort and fee accordingly.
- 12) Fully developed Landscaping Design, Standards, Specifications and Estimates will be provided by Lakota Group. Work effort shall include coordination with Lakota Group and implementation of landscape design features, details, and specifications for inclusion in the Roadway Reconstruction/Streetscape Plans. TEG shall integrate Lakota's landscaping design into the construction contract document, communicate BLRS review comments to Lakota, and address design deficiencies in combination with Lakota, and resolve BLRS review comments pertaining to landscape features.



## Cost Proposal Breakdown

Firm	Responsibilities	Labor	In-House Direct Costs	Outside Direct Costs	Total Cost	% of Contract
Thomas Engineering Group	Team Lead	\$ 643,222.75	\$ 8,869.00		\$ 652,091.75	60%
WSP   Parsons Brinckerhoff	Traffic Studies, Public Involvement, Phase I Support & Resurfacing	\$ 271,563.96	\$ 3,875.50	\$ 25,000.00	\$ 300,439.46	28%
EJM Engineering (MBE/WBE)	Signal Design & Electrical	\$ 119,056.85	\$ 837.00		\$ 119,893.85	11%
Huff & Huff	Environmental	\$ 6,605.64	\$ 48.15	\$ 820.00	\$ 7,473.79	1%
		<b>\$ 1,040,449.20</b>	<b>\$ 13,629.65</b>	<b>\$ 25,820.00</b>	<b>\$ 1,079,898.85</b>	

### PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME Thomas Engineering Group  
PRIME/SUPPLEMENT Prime

DATE 07/18/16  
PTB NO. \_\_\_\_\_

CONTRACT TERM 26 MONTHS  
START DATE 8/1/2016  
RAISE DATE 1/1/2017

OVERHEAD RATE 146.48%  
COMPLEXITY FACTOR 0  
% OF RAISE 3.00%

#### ESCALATION PER YEAR

8/1/2016 - 1/1/2017
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1/2/2017 - 1/1/2018
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1/2/2018 - 10/1/2018
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<u>5</u>
26

<u>12</u>
26

<u>9</u>
26



= 19.23%  
= 1.0349

47.54%

36.72%

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

**3.49%**

# PAYROLL RATES

FIRM NAME  
PRIME/SUPPLEMENT  
PSB NO.

Thomas Engineering Gr DATE  
Prime

07/18/16

ESCALATION FACTOR 3.49%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Principal	\$88.00	\$70.00
Project Manager/Senior Resident Engineer	\$77.33	\$70.00
Project/Resident Engineer V	\$64.18	\$66.42
Project/Resident Engineer IV	\$57.13	\$59.13
Project/Resident Engineer III	\$49.75	\$51.49
Project/Resident Engineer II	\$37.58	\$38.89
Design/Construction Engineer I	\$26.41	\$27.33
Chief Surveyor	\$46.20	\$47.81
Senior Technician	\$42.50	\$43.98
Technician III	\$34.90	\$36.12
Design/Construction Intern	\$15.00	\$15.52
Business Administration Head	\$51.75	\$53.56
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00









**Title Search/Addl Survey**

3 site meetings x 1 vehicle @ 32 Miles RT \$ 180.00

Task Subtotal \$ 180.00

**LDS**

8.5 x 11 prints: 5000 pages at \$.07 page 5000 \$ 0.07 \$ 350.00

Color 11x17 prints: 300 pages at \$.50 page 300 \$ 0.50 \$ 150.00

Task Subtotal \$ 500.00

**Preferred Alternative**

8.5 x 11 prints: 600 pages at \$.07 page 600 \$ 0.07 \$ 42.00

11x17 prints: 2000 pages at \$.12 page 2000 \$ 0.12 \$ 240.00

Color 11x17 prints: 436 pages at \$.50 page 436 \$ 0.50 \$ 218.00

Task Subtotal \$ 500.00

**Draft Project Report**

8.5 x 11 prints: 1400 pages at \$.07 page 1400 \$ 0.07 \$ 98.00

11x17 prints: 180 pages at \$.50 page 180 \$ 0.12 \$ 21.60

Color 8.5 x 11 prints: 402 pages at \$.20 page 402 \$ 0.20 \$ 80.40

Task Subtotal \$ 200.00

**Final Project Report**

8.5 x 11 prints: 5000 pages at \$.07 page 5000 \$ 0.07 \$ 350.00

11x17 prints: 800 pages at \$.50 page 800 \$ 0.12 \$ 96.00

Color 8.5 x 11 prints: 2000 pages at \$.20 page 2000 \$ 0.20 \$ 400.00

Binding L Sum 1 \$ 154.00 \$ 154.00

Task Subtotal \$ 1,000.00

**Admin**

8.5 x 11 prints: 2150 pages at \$.07 page 2150 \$ 0.07 \$ 150.00

Task Subtotal \$ 150.00

**TEG Phase I Direct Costs Total \$ 2,530.00**

## Phase II (Reconstruction) MAN-HOUR SUMMARY FORM

PROJECT: Lake Street Streetscape

<u>ITEM</u>	<u># OF SHEETS</u>	<u>MH PER SHEET</u>	<u>TOTAL MH'S</u>
<b>Data Review/Phase I Validation/ROW Review</b>			40
<b>Title Sheet</b>	1	12	12
<b>Typical Sections</b> <i>(6 mainline sheets and 2 sideroad sheets)</i>	8	20	160
<b>Alignment and Ties</b> <i>(4 alignment sheets + 2 tie sheets) = 6</i>	1	24	24
<b>Notes/Index/Standards</b>	3	24	72
<b>Summary of Quantities</b>	6	40	240
<b>Schedule of Quantities</b> <i>(4 Drainage, 4 earth excavation, 8 additional)</i>	6	24	144
<b>Base Sheets</b> <i>(no profile included on these sheets)</i>	6	8	48
<b>Maintenance of Traffic</b>			
<b>-Concept Study</b>			24
<b>-Plan Preparation (Staging Plans)</b>	26	16	416
<i>Includes plan sheets, typicals, schedules, notes</i>			
<b>Signing Strip Map/Wayfinding</b>	1	24	24
<b>Removal Sheets</b>	6	24	144
<b>Plan and Profile</b>	6	40	240
<b>Drainage and Utilities</b> <i>(same # as plan and profile)</i>	6	40	240
<b>Drainage Calculations</b> <i>(enough hrs. for inlet spacing and detention if reqd.)</i>			240
<b>Special Provisions</b>			140
<b>Estimate of Time</b>			32
<b>Maintenance of Details</b>			0
<b>-Intersection Details</b>	6	40	240

## Phase II (Reconstruction) MAN-HOUR SUMMARY FORM

PROJECT: Lake Street Streetscape

<u>ITEM</u>	<u># OF SHEETS</u>	<u>MH PER SHEET</u>	<u>TOTAL MH'S</u>
<b>Pavement Marking, to include signs</b> <i>(proposed base sheets)</i>	6	16	96
<b>Erosion Control Plans</b> <i>Includes Plans for three stages during MOT (See Attachment A)</i>	6	16	96
<b>Landscaping Coordination and Incorporation to Plans</b>			40
<b>Wayfinding Coordination and Incorporation to Plans</b>			24
<b>Cross Sections (Proposed)</b>	150	1	150
<b>Meetings with IDOT and external Agencies</b>			60
<b>Field Checks</b>			80
<b>Horizontal/Vertical Control</b>			40
<b>Permits</b>			40
<b>Pickup Survey</b>			16
<b>QA/QC</b> <i>(24 hrs./submittal + additional hours for continuous Quality Assurance during Plan Development)</i>			100
<b>Post Contract Coordination</b>			0
<b>Miscellaneous Items</b>			212
Pavement Design		24	
Engineer's Estimate (Prelim - 60, Prefinal - 24, Final - 24)		108	
Utilities Coordination		80	
<b>Sub-Total</b>			3434
<b>Administration/Management</b>			160
<b>Total</b>			3594

**Description**

**Direct Costs**

**Removals P&P**

Printing - 200 - 11"x 17" size b/w sheets x \$0.12/sheet @ 40 plan sets	\$	960.00
Printing - 200 22" x 34" size b/w sheet x \$1.08/sheet @ 12 plan sets	\$	2,592.00

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**Subtotal =** \$ **3,552.00**

**SPs/Bid Documents**

Printing - 350 8.5" x 11" size b/w sheet x \$0.07/sheet @ 56 plan sets	\$	1,372.00
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**Subtotal =** \$ **1,372.00**

**Survey/Field Checks**

5 Survey Visits @ 36 miles RT	\$	201.60
3 Field Checks @ 36 miles RT	\$	120.96

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**Subtotal =** \$ **325.00**

**Meetings/Admin**

2IDOT meetings x 2 vehicles @ 40 Miles RT	\$	89.60
4 Agency meetings x 1 vehicle @ 40 Miles RT	\$	179.20
3 site meetings x 1 vehicle @ 36 Miles RT	\$	120.96
Mailing of invoices, other hard copies to IDOT & other agencies	\$	200.00

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**Subtotal =** \$ **590.00**

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<b>TEG Direct Costs =</b>	<b>\$</b>	<b>5,839.00</b>
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**PAYROLL ESCALATION TABLE  
FIXED RAISES**

FIRM NAME WSP | Parsons Brinckerhoff  
PRIME/SUPPLEMENT Thomas Engineering Group

DATE 07/18/16  
PTB NO. \_\_\_\_\_

CONTRACT TERM 26 MONTHS  
START DATE 7/25/2016  
RAISE DATE 8/1/2016

OVERHEAD RATE 153.38%  
COMPLEXITY FACTOR 0  
% OF RAISE 3.00%

**ESCALATION PER YEAR**

7/25/2016 - 1/1/2017

1/2/2017 - 1/1/2018

1/2/2018 - 10/1/2018

$\frac{5}{26}$

$\frac{12}{26}$

$\frac{9}{26}$

= 19.23%  
= 1.0349

47.54%

36.72%

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

**3.49%**

# PAYROLL RATES

FIRM NAME  
PRIME/SUPPLEMENT  
PSB NO.

WSP | Parsons Brincker DATE  
Thomas Engineering Group

ESCALATION FACTOR                      0.00%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Senior Area Manager	\$108.92	\$108.92
Senior Engineering Manager	\$98.85	\$98.85
Senior Supervising Engineer	\$72.49	\$72.49
Supervising Engineer	\$58.64	\$58.64
Lead Engineer	\$48.44	\$48.44
Lead Planner	\$46.12	\$46.12
Sr.Engineer	\$38.68	\$38.68
Assistant Engineer	\$30.30	\$30.30
Sr. Admin Assistant	\$29.22	\$29.22



**AVERAGE HOURLY PROJECT RATES**

**FIRM**  
**PSB**  
**PRIME/SUPPLEMENT**

WSP | Parsons Brinckerhoff  
Thomas Engineering Group

DATE 07/18/16

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Traffic Study			Data Collection and Site			Operational Modelling and			Project Recommendation			Coordination & Meetings		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Senior Area Manager	108.92	2	0.10%	0.11				0									0		
Senior Engineering Manager	98.85	62	3.02%	2.99				0						2	6.06%	5.99	20	50.00%	49.43
Senior Supervising Engineer	72.49	237	11.56%	8.38				14	22.58%	16.37	50	20.58%	14.92	5	15.15%	10.98	20	50.00%	36.25
Supervising Engineer	58.64	161	7.85%	4.60				0			0			0			0		
Lead Engineer	48.44	410	19.99%	9.68				45	72.58%	35.16	177	72.84%	35.28	24	72.73%	35.23	0		
Lead Planner	46.12	410	19.99%	9.22				0			0			0			0		
Sr.Engineer	38.68	317	15.46%	5.98				0			0			0			0		
Assistant Engineer	30.30	386	18.82%	5.70				3	4.84%	1.47	16	6.58%	2.00	2	6.06%	1.84	0		
Sr. Admin Assistant	29.22	66	3.22%	0.94				0			0			0			0		
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<b>TOTALS</b>		2051	100%	\$47.60	0	0.00%	\$0.00	62	100%	\$52.99	243	100%	\$52.19	33	100%	\$54.04	40	100%	\$85.67





**TRAFFIC**

	Unit	Number	Unit Cost	Total Cost
Car Rental for Meetings (includes toll pass)	each	5	45	225
Car Gas	each	5	6	30
Meeting Handouts - 5 meetings - 20 page 11x17 color handouts for 15 people	page	1500	1.25	1875
Final Report - 5 hard copies - color - max 300 pgs	page	1500	0.3	450
Final Report - 5 hard copies bound	each	5	4	20
				2600

**Quality Counts**

2 hour count per location - need four time periods	per intersection	25	800	20000
Tube counts - 5 locations, 48 hours	per location	10	240	2400
				22400
Total				25000

**PI**

Color 8.5 x 11 prints: 2375 pages at \$.30 = \$712.50	page	2375	0.3	712.5
Color 12 x 18 prints: 40 pages at \$.50 = \$20.00	page	40	0.5	20
36 sq. ft. color plots: \$486	SF	36	13.5	486
36 sq. ft. print to board = \$450	SF	36	12.5	450
Mileage: 475 miles at \$.56 = \$266.00	miles	475	0.56	266
Car Rental for Meetings (includes toll pass)	each	10	45	450
				2384.5

**DETAILED MAN-HOUR SUMMARY**

**LAKE STREET STREETScape  
RESURFACING - EUCLID TO AUSTIN AVE**

<u>ITEM</u>	<u># OF SHEETS</u>	<u>HOURS PER SHEET</u>	<u>TOTAL MH'S</u>
Preliminary Collection and Review of Existing Data			40
Field Visits/Checks and Quantity Verification			16
<b>Subtotal</b>			<b>56</b>
<b>Roadway Resurfacing Plans</b>			
<b>Title Sheet</b>	1	8	8
<b>Typical Sections</b> <i>(Assumed 3 typicals and pavement section)</i>	1	12	12
<b>Alignment and Ties</b> <i>(Approx. Centerline; provide on Roadway Plans)</i>	0	-	10
<b>Notes/Index/Standards</b>	2	24	48
<b>Summary of Quantities</b> <i>(Includes calculation of quantities)</i>	1	72	72
<b>Schedule of Quantities</b> <i>(Minor schedule for patching, c&amp;g replacement, ADA improvements)(Landscape schedules provided by Lakota Group)</i>	2	16	32
<b>Base Sheets</b> <i>(no profile included on these sheets)</i>	8	6	48
<b>Maintenance of Traffic</b>			
<b>-Concept Study</b>			12
<b>-Plan Preparation (Staging Plans)</b> <i>Includes 3 std typicals, notes, and staging plans @ 1"=50', total of 3 stages</i>	15	8	120
<b>Plans (with alignment information)</b>	8	16	128
<b>Pavement Marking Sheets</b> <i>(Proposed base sheet, assumed existing markings to remain)(Signing Updates by others)</i>	8	6	50
<b>Landscaping and Streetscape Coordination and Plan Incorporation</b>			24
<b>Subtotal</b>			<b>564</b>
<b>Roadway Resurfacing Front End Documents and Specs</b>			
<b>Special Provisions</b>			85
<b>Estimate of Time</b>			12
<b>Pavement Design</b>			8
<b>Engineer's Estimate (Prefinal and Final Submittals)</b>			60
<b>Utilities/FO/Survey/Coordination w/TEG</b>			20
<b>Subtotal</b>			<b>185</b>
<b>Total PS&amp;E</b>			<b>805</b>
<b>Meetings</b> <i>(2 client meetings-1 person@ 3 hr each; Walk through - 2 person@3 hr;)(No IDOT coordination or mtgs)</i>			12
<b>QA/QC (5%) - Resurfacing Only</b>		5%	40
<b>Administration/Management - Resurfacing Only</b>		3%	24
<b>Total</b>			<b>881</b>

**Notes**

1. Complete signing plan and electrical service plans not included in cost estimate for resurfacing estimate

**Lake Street Streetscape**  
**Direct Costs**  
**Resurfacing Area between Euclid and Austin**

Printing and Binding	Sheet Count	Sets	Total Shts	\$/Sht	Total Cost
Prefinal Plan Set, 11"x 17" size, paper b/w	40	4	160	\$ 0.15	\$ 24.00
Prefinal Set, 22"x 34" size, paper b/w	40	1	40	\$ 1.08	\$ 43.20
Final Plan Set, 22"x 34" size, paper b/w	40	6	240	\$ 1.08	\$ 259.20
Final Plan Set, 22"x 34" size, mylar, b/w (\$2.50/SF)	40	1	40	\$ 13.00	\$ 520.00
Bid Documents/Specifications					
PreFinal Packet, 8.5"x11" size b/w sheet	200	1	200	\$ 0.075	\$ 15.00
Final Plan Packet	200	7	1400	\$ 0.075	\$ 105.00
Summary of Quantities - Binder Creation with printing (150 pages)		2		\$ 25.00	\$ 50.00
Field Visits/Meetings/Admin		Unit	Number	Unit Cost	
Field Visits		Each	2	45	\$ 90.00
Field Checks (Mileage)		Each	2	45	\$ 90.00
Meetings (assumed 3 total) 40 miles RT		Mileage	120	0.56	\$ 67.20
Mailings, FedEx, Delivery					\$ 100.40
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<b>Total</b>					<b>\$ 1,364.00</b>



## PAYROLL RATES

FIRM NAME EJM Engineering, Inc. DATE 07/18/16  
PRIME/SUPPLEMENT Prime  
PROJECT Lake Street Streetscape Project  
ESCALATION FACTOR 3.49%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Principal	\$70.00	\$70.00
Chief Engineer/Project Manager	\$70.00	\$70.00
Senior Engineer	\$55.70	\$57.65
Lead Engineer	\$43.89	\$45.42
Engineer III	\$34.50	\$35.70
Engineer II	\$31.94	\$33.06
Engineer I	\$27.19	\$28.14
CADD Operator	\$31.60	\$32.70
Project Administrator	\$29.67	\$30.71



## AVERAGE HOURLY PROJECT RATES

**FIRM**  
**PROJECT**  
**PRIME/SUPPLEMENT**

EJM Engineering, Inc.  
Lake Street Streetscape Project  
Prime

DATE 07/18/16

SHEET 1 OF 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			MEETINGS AND COORDINATIONS			DATA COLLECTION			FINAL STREET LIGHTING DESIGN			TEMPORARY TRAFFIC SIGNALS			TRAFFIC SIGNAL MODIFICATIONS		
		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	19	1.63%	1.14	4	10.00%	7.00				4	0.78%	0.55	2	1.39%	0.97	3	0.84%	0.59
Chief Engineer/Project Manager	70.00	71	6.09%	4.26	8	20.00%	14.00	6	10.00%	7.00	36	7.03%	4.92	2	1.39%	0.97	3	0.84%	0.59
Senior Engineer	57.65	202	17.32%	9.99	16	40.00%	23.06	20	33.33%	19.22	144	28.13%	16.21	4	2.78%	1.60	10	2.81%	1.62
Lead Engineer	45.42	177	15.18%	6.90										45	31.25%	14.19	124	34.83%	15.82
Engineer III	35.70	33	2.83%	1.01							8	1.56%	0.56	5	3.47%	1.24	20	5.62%	2.01
Engineer II	33.06	301	25.81%	8.53	6	15.00%	4.96	12	20.00%	6.61	140	27.34%	9.04	43	29.86%	9.87	100	28.09%	9.29
Engineer I	28.14	337	28.90%	8.13	6	15.00%	4.22	22	36.67%	10.32	180	35.16%	9.89	43	29.86%	8.40	86	24.16%	6.80
CADD Operator	32.70	10	0.86%	0.28													10	2.81%	0.92
Project Administrator	30.71	16	1.37%	0.42															
<b>TOTALS</b>		1166	100%	\$40.66	40	100.00%	\$53.24	60	100%	\$43.14	512	100%	\$41.17	144	100%	\$37.25	356	100%	\$37.63

### AVERAGE HOURLY PROJECT RATES

**FIRM**  
**PSB**  
PRIME/SUPPLEMENT

EJM Engineering, Inc.  
Lake Street Streetscape Project  
Prime

DATE 07/18/16

SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	QA/QC			PROJECT ADMINISTRATION											
		Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg
Principal	70.00	6	15.79%	11.05												
Chief Engineer/Project Manager	70.00	16	42.11%	29.47												
Senior Engineer	57.65	8	21.05%	12.14												
Lead Engineer	45.42	8	21.05%	9.56												
Engineer III	35.70															
Engineer II	33.06															
Engineer I	28.14															
CADD Operator	32.70															
Project Administrator	30.71				16	100.00%	30.71									
<b>TOTALS</b>		38	100%	\$62.22	16	100%	\$30.71	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

**IN-HOUSE DIRECT COSTS**

**MEETINGS AND COORDINATIONS**

	Unit	Cost per Unit	Total Cost
VEHICLE MILEAGE			\$ -
VEHICLE DAY	5	\$ 65.00	\$ 325.00
Overnight Delivery	0	\$ 25.00	\$ -
Copies of Deliverables 8 1/2" x 11	0	\$ 0.10	\$ -
Copies of Deliverables 11"x 17"	0	\$ 0.25	\$ -
Copies of Deliverables 8 1/2" x 11	0	\$ 0.25	\$ -
Copies of Deliverables 11"x 17" C	0	\$ 1.00	\$ -
Report Binding	0	\$ 3.00	\$ -
<b>MEETINGS AND COORDINATIONS</b>			<b>\$ 325.00</b>

**DATA COLLECTION**

	Unit	Cost per Unit	Total Cost
VEHICLE MILEAGE			\$ -
VEHICLE DAY	6	\$ 65.00	\$ 390.00
Overnight Delivery	0	\$ 25.00	\$ -
Copies of Deliverables 8 1/2" x 11	0	\$ 0.10	\$ -
Copies of Deliverables 11"x 17"	0	\$ 0.25	\$ -
Copies of Deliverables 8 1/2" x 11	0	\$ 0.25	\$ -
Copies of Deliverables 11"x 17" C	0	\$ 1.00	\$ -
Report Binding	0	\$ 3.00	\$ -
<b>DATA COLLECTION</b>			<b>\$ 390.00</b>

**FINAL STREET LIGHTING DESIGN**

	Unit	Cost per Unit	Total Cost
VEHICLE MILEAGE			\$ -
VEHICLE DAY	0	\$ 65.00	\$ -
Overnight Delivery	1	\$ 25.00	\$ 25.00
Copies of Deliverables 8 1/2" x 11	30	\$ 0.10	\$ 3.00
Copies of Deliverables 11"x 17"	24	\$ 0.25	\$ 6.00
Copies of Deliverables 8 1/2" x 11	0	\$ 0.25	\$ -
Copies of Deliverables 11"x 17" C	0	\$ 1.00	\$ -
Report Binding	5	\$ 3.00	\$ 15.00
<b>FINAL STREET LIGHTING DESIGN</b>			<b>\$ 49.00</b>

**TEMPORARY TRAFFIC SIGNALS**

	Unit	Cost per Unit	Total Cost
VEHICLE MILEAGE		<b>0.57</b>	\$ -
VEHICLE DAY	0	\$ 65.00	\$ -
Overnight Delivery	1	\$ 25.00	\$ 25.00
Copies of Deliverables 8 1/2" x 11	20	\$ 0.10	\$ 2.00
Copies of Deliverables 11"x 17"	36	\$ 0.25	\$ 9.00
Copies of Deliverables 8 1/2" x 11	0	\$ 0.25	\$ -
Copies of Deliverables 11"x 17" C	0	\$ 1.00	\$ -
Report Binding		\$ 3.00	\$ -
<b>TEMPORARY TRAFFIC SIGNALS</b>			<b>\$ 36.00</b>

**QA/QC**

	Unit	Cost per Unit	Total Cost
VEHICLE MILEAGE		<b>0.57</b>	\$ -
VEHICLE DAY	0	\$ 65.00	\$ -
Overnight Delivery	1	\$ 25.00	\$ 25.00
Copies of Deliverables 8 1/2" x 11	60	\$ 0.10	\$ 6.00
Copies of Deliverables 11"x 17"	24	\$ 0.25	\$ 6.00
Copies of Deliverables 8 1/2" x 11	0	\$ 0.25	\$ -
Copies of Deliverables 11"x 17" C	0	\$ 1.00	\$ -
Report Binding		\$ 3.00	\$ -
<b>QA/QC</b>			<b>\$ 37.00</b>



**Payroll Escalation Table  
Fixed Raises**

FIRM NAME Huff & Huff, Inc.  
PRIME/SUPPLEMENT Thomas Engineering Group, LLC

DATE 7/14/2016  
PTB NO. \_\_\_\_\_

CONTRACT TERM 12 MONTHS  
START DATE 7/1/2016  
RAISE DATE 3/1/2017

OVERHEAD RATE 171.26%  
COMPLEXITY FACTOR 0  
% OF RAISE 3.00%

**ESCALATION PER YEAR**

7/1/2016 - 3/1/2017

3/2/2017 - 7/1/2017

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8  
12

4  
12

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

= 66.67%  
= 1.0100

34.33%

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

**1.00%**





**Cost Estimate of  
Consultant Services  
(CPFF)**

Firm Huff & Huff, Inc.  
 Route Lake Street  
 Section \_\_\_\_\_  
 County Cook  
 Job No. \_\_\_\_\_  
 PTB & Item \_\_\_\_\_

Date 7/14/2016

Overhead Rate 171.26%

Complexity Factor 0

Item	Manhours	Payroll	Overhead & Fringe Benefits	In-House Direct Costs	Fixed Fee	Outside Direct Costs	Services By Others	Total	% of Grand Total
PESA	55	1,775.81	3,041.26	48.15	705.46	820.00	0.00	6,390.68	85.51%
Project Management	4	127.91	219.05	0.00	50.31	0.00	0.00	397.27	5.32%
QA/QC	4	220.82	378.18	0.00	86.85	0.00	0.00	685.85	9.18%
<b>TOTALS</b>	63	2,124.54	3,638.49	48.15	842.62	820.00	0.00	7,473.79	100.00%

- Method of Compensation:
- 14.5%[DL + R(DL) + OH(DL) + IHDC]
  - 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
  - 14.5%[(2.3 + R)DL + IHDC]
  - \_\_\_\_\_
  - \_\_\_\_\_

### Average Hourly Project Rates

Route Lake Street  
 Section \_\_\_\_\_  
 County Cook  
 Job No. \_\_\_\_\_  
 PTB/Item \_\_\_\_\_

Consultant Huff & Huff, Inc.

Date 7/14/2016

Sheet 1 OF 1

Payroll Classification	Avg Hourly Rates	Total Project Rates			PESA			Project Management			QA/QC								
		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	2	3.17%	2.22							2	50.00%	35.00						
Senior Geotechnical Cons.	58.66	0																	
Senior Consultant	58.53	0																	
Senior Geologist PM	49.11	0																	
Geologist PM	30.95	0																	
Senior Engineering PM	46.87	0																	
Engineering PM	38.70	0																	
Assistant PM Engineer II	37.45	0																	
Assistant PM Engineer I	31.98	49	77.78%	24.87	45	81.82%	26.16	4	100.00%	31.98									
Engineer 1	29.86	0																	
Senior Scientist PM	40.41	3	4.76%	1.92	1	1.82%	0.73				2	50.00%	20.21						
Scientist PM I	40.22	0																	
Assistant PM Scientist	25.77	0																	
Senior Technical Scientist	34.34	0																	
Environmental Scientist E1	23.98	0																	
Senior Planning PM	45.49	0																	
Planning PM	32.97	0																	
Senior Technical Specialist	43.31	2	3.17%	1.37	2	3.64%	1.57												
Senior CADD Specialist	31.51	5	7.94%	2.50	5	9.09%	2.86												
Administrative Managers	37.49	0																	
Sr. Administrative Assistant	26.14	2	3.17%	0.83	2	3.64%	0.95												
Administrative Assistant	21.37	0																	
Senior PM II (on call)	58.27	0																	
Senior PM I (on call)	39.28	0																	
Engineering Intern	18.18	0																	
Intern	15.66	0																	
		0																	
		0																	
		0																	
		0																	
<b>TOTALS</b>		63	100%	\$33.72	55	100%	\$32.29	4	100%	\$31.98	4	100%	\$55.21	0	0%	\$0.00	0	0%	\$0.00

**HUFF & HUFF, INC.**  
**SUMMARY OF INHOUSE DIRECT COSTS**  
 Project: Thomas Engineering Group, LLC - Oak Park, Illinois

						<u>DIRECT</u>
<b>Task 1 - PESA</b>						
Trips - Company	20 miles	x	1	x	\$ 0.54 =	\$ 10.80
Reproduction	3 sets	x	250	x	\$ 0.03 =	\$ 22.50
Color copies	3 sets	x	15	x	\$ 0.11 =	\$ 4.95
Photo sheets	3 sets	x	15	x	\$ 0.22 =	\$ 9.90
<b>Task Total</b>						<b>\$ 48.15</b>

**Task 2 - Project Management**

<b>Task Total</b>	<b>\$</b>	<b>-</b>
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**Task 3 - QA/QC**

<b>Task Total</b>	<b>\$</b>	<b>-</b>
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<b>GRAND TOTAL</b>	<b>\$</b>	<b>48.15</b>
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**HUFF & HUFF, INC.**  
**SUMMARY OF OUTSIDE DIRECT COSTS**  
 Project: Thomas Engineering Group, LLC - Oak Park, Illinois

					<u><b>OUTSIDE</b></u>
<b><i>Task 1 - PESA</i></b>					
Federal Express	1	x	\$ 20.00	=	\$ 20.00
Fire Insurance Maps	1	x	\$ 400.00	=	\$ 400.00
Records Search + Aerials	1	x	\$ 400.00	=	\$ 400.00
	<b>Task Total</b>				<b>\$ 820.00</b>
 <b><i>Task 2 - Project Management</i></b>					
	<b>Task Total</b>				<b>\$ -</b>
 <b><i>Task 3 - QA/QC</i></b>					
	<b>Task Total</b>				<b>\$ -</b>
<hr style="border: 1px solid black;"/>					
	<b>GRAND TOTAL</b>				<b>\$ 820.00</b>