

## **SCOPE OF SERVICES–PRELIMINARY ENGINEERING SERVICES**

Engineer: Strand Associates, Inc.<sup>®</sup>  
Route: Ravinia Avenue at 147th Street  
Local Agency: Village of Orland Park, IL  
LA Contact: Kurt Corrigan

### **Project Understanding**

The Ravinia Avenue at 147th Street Roundabout Phase I project includes intersection improvements to improve safety and eliminate the delays caused by the four-way stop conditions at the intersection. 147<sup>th</sup> Street has a two-lane urban cross section with barrier curb and gutter. The west leg is a primary access to the Village Hall complex. The east leg connects to LaGrange Road and provides access to commercial properties. Ravinia Avenue has a two-lane urban cross section with barrier curb and gutter. A future center median will be incorporated into this project. Sidewalk will be removed and replaced where it is damaged or does not meet the Americans with Disabilities Act (ADA) accessibility guidelines.

This project will utilize Federal Surface Transportation Program (STP) funds.

### **Scope of Services**

The project approach is based on a STATE-approved Phase I Flow Diagram that identifies project deliverables and milestones required from initial Data Collection to Design Approval.

ENGINEER will provide the following services:

#### Administration

1. Track project schedule, budget, and task completion by project managers.
2. Develop subconsultant agreements and track project schedule, budget, and task completion.
3. Use STATE standard invoice forms.

#### Data Collection

1. Obtain private utility atlases.
2. Obtain data from the LA, including horizontal control points and vertical benchmarks. If not available local datum shall be used. LA shall also provide tax maps, LA utility atlases, and applicable construction details.

#### Topographical Survey

1. Conduct a field topographical survey utilizing control provided by the LA. Survey to extend 500 feet along each leg of the intersection.

## **EXHIBIT A**

2. Survey will also include curb and gutter limits of the parking lot from 147<sup>th</sup> Street to the south edge of the first driveway south of 147<sup>th</sup> Street.
3. Develop a base map using MicroStation and GEOPAK software.
4. Prepare a data sheet at underground public structure locations. Provide pull-downs at structure locations to determine invert elevations and estimate pipe sizes where possible for verification purposes.

### Environmental Survey

1. Prepare Environmental Survey Request (ESR) and attachments. The ESR will be prepared and submitted according to Bureau of Local Roads (BLR) requirements. The ESR will request that the STATE conduct the biological and cultural reviews and clearances.
2. Perform special waste screening. This includes the review of the CERCLIS, LUST, UST, and RCRA databases for inventoried sites within the project vicinity according to the Bureau of Design and Environment and BLR review criteria. Prepare and submit a special waste findings letter and memorandum as required by the BLR. It is anticipated that a Preliminary Environmental Site Assessment will not be required.

### Agency Contacts

1. Prepare and submit STATE Project Program Information form.
2. Communicate with MWRDGC.
3. Prepare and submit project initiation letters.

### Traffic Analysis

1. Perform 12 hour traffic through and turning movement counts at the intersection.
2. Perform 8 hour traffic counts for LA driveway access south of 147<sup>th</sup> and at small parking lot
3. Submit a request for 2040 projected traffic volumes approval to the Chicago Metropolitan Agency for Planning (CMAP).
4. Prepare a capacity analysis utilizing SIDRA software using agreed-upon traffic projections.
5. Prepare the Intersection Design Study (IDS) for a single lane roundabout. Intersection Design Study will include STATE's IDS CADD drawing modified for a roundabout, vertical profile drawings, and design vehicle turning movement drawings.
6. Develop visualization model utilizing PARAMICS software for use at public meeting.

### Crash Analysis

1. Obtain crash data from the LA.
2. Prepare crash summary and plot collision diagrams for the roadway segments within the project limits.

Drainage Analysis

1. Review the LA's Stormwater Ordinance
2. Perform preliminary storm sewer design to connect to an existing storm sewer outfall located within project survey limits.

Preliminary Design Study

1. Design up to two horizontal alignments to establish roundabout footprint.
2. Design intersection grading to establish right of way needs.
3. Develop plan and profile drawings at 20-scale and up to five typical sections.
4. Develop cross sections for design purposes to establish right of way at 50 feet intervals and at three driveways. Cross sections will show existing and proposed surface geometry but will not be included in the project development report.
5. Develop maintenance of traffic plan view alternatives for the intersection, Village Hall, and Bank.

Draft Project Development Report–BLR 22110

1. Develop an opinion of probable construction cost.
2. Prepare draft report and exhibits. The draft report and exhibits will submitted at 95-percent complete.
3. Submit report (anticipated to be Categorical Exclusion, Group II) for the LA and STATE review.

Final Project Development Report

1. Revise report based on review comments from the LA and STATE.
2. Prepare design approval request notices for publication by the LA.

Quality Control

1. Perform quality control (QC) throughout the project. Regular QC reviews will be conducted at approximately 30 percent, 90 percent, and prior to each submittal.

Meetings

Organize, conduct, and prepare meeting minutes for distribution to attending parties for the following meetings:

1. One STATE kickoff meeting with the LA and Bureau of Local Roads at STATE's District One office in Schaumburg.
2. One Federal Highway Administration meeting at STATE's District One office in Schaumburg.

## **EXHIBIT A**

3. Two progress meetings with the LA.
4. One presentation at LA committee meeting
5. One public meetings held at the LA. Meeting. Notification letters will be created and distributed by the LA. The meeting will serve as an introduction to roundabouts and presentation of the preferred alternative. The ENGINEER will provide an aerial roll and a typical roadway section exhibit and up to three roundabout educational exhibits. ENGINEER will provide plan and profiles with aerial background of the project corridor that reflect the proposed improvements.

**COST PLUS FIXED FEE  
COST ESTIMATE OF CONSULTANT SERVICES**

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

**Strand Associates, Inc.®**  
**Orland Park**  
**Prime**

**OVERHEAD RATE**  
**COMPLEXITY FACTOR**

**1.678**  
**0**

**DATE**

DF-824-039

**08/08/13/04**

DBE DROP BOX	ITEM	MAN-HOURS (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
	Administration	52	2,438.83	4,092.36	8471.00	902.37				15,904.56	16.32%
	Data Collection, Site Visit, Topo Survey, Geotechnical	20	769.98	1,292.02		284.89				2,346.89	2.41%
	Topographical Survey	24	1,158.61	1,944.15		428.69				3,531.44	3.62%
	Environmental Survey	16	582.82	977.97		215.64				1,776.43	1.82%
	Agency Contacts	20	829.66	1,392.17		306.97				2,528.80	2.59%
	Traffic Analysis	244	8,247.49	13,839.29		3,051.57				25,138.36	25.80%
	Crash Analysis	20	650.61	1,091.72		240.73				1,983.06	2.03%
	Drainage Analysis	16	610.56	1,024.52		225.91				1,860.99	1.91%
	Preliminary Design Study	148	5,421.60	9,097.44		2,005.99				16,525.02	16.96%
	Draft Project Development Report	52	1,763.07	2,958.43		652.33				5,373.83	5.51%
	Final Project Development Report	44	1,473.16	2,471.97		545.07				4,490.20	4.61%
	Quality Control	16	0.00	0.00		0.00				0.00	0.00%
	Meetings	64	0.00	0.00		0.00				0.00	0.00%
	Right of Way Sub - Claassen, White & Assoc., P.C.	0	0.00	0.00		0.00		6,891.27		6,891.27	7.07%
	Geotechnical Sub - SEECO Consultants, Inc.	0	0.00	0.00		0.00		8,845.00		8,845.00	9.08%
	<b>Subconsultant DL</b>					256.50				256.50	0.26%
	<b>TOTALS</b>	736	23,946.38	40,182.03	8,471.00	9,116.66	0.00	15,736.27	0.00	<b>97,452.35</b>	100.00%

**PREPARED BY THE AGREEMENTS UNIT**

Printed 8/8/2013 8:30 AM

# AVERAGE HOURLY PROJECT RATES

**FIRM** Strand Associates, Inc.®  
**PSB** Orland Park  
**PRIME/SUPPLEMENT** Prime

DATE 08/08/13

SHEET 1 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Administration			Data Collection, Site Visit, Topo			Topographical Survey			Environmental Survey			Agency Contacts		
		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	67.83	50	6.79%	4.61	8	15.38%	10.44												
Project Manager	54.77	158	21.47%	11.76	24	46.15%	25.28	6.00	30.00%	16.43	2	8.33%	4.56	4	25.00%	13.69	8	40.00%	21.91
Structural Engineer	51.52	0																	
Project Engineer	32.62	352	47.83%	15.60	8	15.38%	5.02	10.00	50.00%	16.31	16	66.67%	36.52	8	50.00%	16.31	12	60.00%	19.57
Technician	28.78	136	18.48%	5.32	4	7.69%	2.21	4.00	20.00%	5.76	6	25.00%	7.19						
Clerical	25.69	40	5.43%	1.40	8	15.38%	3.95							4	25.00%	6.42			
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<b>TOTALS</b>		736	100%	\$38.68	52	100.00%	\$46.90	20	100%	\$38.50	24	100%	\$48.28	16	100%	\$36.43	20	100%	\$41.48

# AVERAGE HOURLY PROJECT RATES

FIRM Strand Associates, Inc.®  
PSB Orland Park  
PRIME/SUPPLEMENT Prime

DATE 08/08/13

SHEET 2 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Traffic Analysis			Crash Analysis			Drainage Analysis			Preliminary Design Study			Draft Project Development Rep			Final Project Development Rep		
		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	67.83	4	1.64%	1.11															
Project Manager	54.77	24	9.84%	5.39	2	10.00%	5.48	4	25.00%	13.69	32	21.62%	11.84	6	11.54%	6.32	4	9.09%	4.98
Structural Engineer	51.52																		
Project Engineer	32.62	132	54.10%	17.65	6	30.00%	9.79	12	75.00%	24.47	86	58.11%	18.96	32	61.54%	20.08	30	68.18%	22.24
Technician	28.78	64	26.23%	7.55	12	60.00%	17.27				30	20.27%	5.83	10	19.23%	5.53	6	13.64%	3.92
Clerical	25.69	20	8.20%	2.11										4	7.69%	1.98	4	9.09%	2.34
TOTALS		244	100%	\$33.80	20	100%	\$32.53	16	100%	\$38.16	148	100%	\$36.63	52	100%	\$33.91	44	100%	\$33.48

# AVERAGE HOURLY PROJECT RATES

**FIRM** Strand Associates, Inc.®  
**PSB** Orland Park  
**PRIME/SUPPLEMENT** Prime

**DATE** 08/08/13

**SHEET** 3 **OF** 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Quality Control			Meetings			Right of Way Sub - Claassen,			Geotechnical Sub - SEECO C								
		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	67.83	6	37.50%	25.44	32	50.00%	33.92												
Project Manager	54.77	10	62.50%	34.23	32	50.00%	27.39												
Structural Engineer	51.52																		
Project Engineer	32.62																		
Technician	28.78																		
Clerical	25.69																		
<b>TOTALS</b>		16	100%	\$59.67	64	100%	\$61.30	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00



Construction Monitoring &  
Observations  
Construction Materials Testing  
Tunnels and Underground Openings  
Geotechnical Engineering &  
Evaluation

**SEECO Consultants Inc.**  
**CONSULTING ENGINEERS**

Subsurface Explorations  
Foundation Analysis & Design  
Structural Rehabilitation  
Condition Surveys  
Dams and Drainage Studies

August 8, 2013

Ms. Darcie Gabrisko, PE  
Strand Associates Inc.  
1170 Houbolt Rd.  
Joliet, IL 60431

**PROPOSAL AND CONTRACT**

Additional Subsurface Exploration, Laboratory Testing and  
Geotechnical Engineering and Analysis for the Proposed  
147th and Ravinia Improvements, Orland Park, IL  
Section 12-00069-00-CH

Dear Ms. Gabrisko:

Pursuant to your request, SEECO Consultants, Inc. is pleased to present our proposal for the above referenced project. In preparing our proposal, we have reviewed pertinent information and have discussed the project with you. It is our understanding that the proposed alignment has been changed.

The scope of work SEECO is proposing is as follows:

- Perform a total of six (6) borings to 10 feet for the pavement improvements. The boreholes will be located at locations consistent with the improvements and will be field staked by SEECO. It is assumed the locations will be accessible to a truck mounted drill rig. One flagperson will be utilized.
- The resulting soil samples will be returned to SEECO's laboratory for further testing and analysis. Visual Classification, Moisture Content and Unconfined Compressive Strength utilizing a calibrated penetrometer will be performed on all samples. One Illinois Bearing Ratio test will be performed.
- Upon completion of the field exploration and laboratory testing a written addendum to the geotechnical report will be prepared under the direction of a Registered Professional/Structural Engineer of Illinois. The report will address encountered subsurface soil conditions, laboratory data, pavement recommendations, and general construction considerations. Previous applicable soils data performed by others will be included. Soil boring profiles will be added to profile drawings supplied to us by you. Current/updated IDOT criteria will be addressed, as applicable.
- It is anticipated that right of entry and access locations to the site will be provided to us. Boring locations may be offset as required. No utility R.O.W. conflicts are anticipated. SEECO will not

**PROPOSAL AND CONTRACT**

Additional Subsurface Exploration, Laboratory Testing and  
Geotechnical Engineering and Analysis for the Proposed  
147th and Ravinia Improvements, Orland Park, IL  
Section No. 12-00069-00-CH

August 8, 2013

Page 2

be responsible for restoration costs, if any. This contract is not assignable. No permits or bonds are required.

The cost for these services will be \$8,845.00 per the attached IDOT CECS.

We will proceed with the work as outlined after we receive a signed copy of this proposal. It should be noted that the attached General Conditions are an integral part of our contract for professional services and that by signing and dating this proposal, it is represented that you have read this proposal and the attachments in their entirety and accept the terms and conditions set forth.

If there are any questions with regard to this proposal, I would be glad to discuss them with you. We are very interested in providing you with our services on this project and assure you of our utmost cooperation.

Respectfully submitted,

SEECO Consultants, Inc.



Donald C. Cassier,  
Director of Field Services



Collin W. Gray, S.E., P.E.  
President

DCC:arm

Enclosure

ACCEPTED:

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

Please sign one copy and return it to our  
office and retain one copy for your files.

### **SUMMARY OF DIRECT COSTS**

#### **147th & Ravinia, Orland Park, IL**

Mobilization of Equipment and Personnel	\$ 388.90
Soil Borings, Truck Mounted Rig 0'-25' Estimate 60'@ \$25.00/lf	\$1,500.00
Visual Classification (AASHTO), Moisture Content, Unconfined Compressive Strength Utilizing a Calibrated Penetrometer Tests Estimate 28 tests @ \$10.00/test	\$ 280.00
Organic Content Tests Estimate 1 test @ \$85.00/test	\$ 85.00
Grain Size Analysis Estimate 1 test @ \$195.00/test	\$ 195.00
Atterberg Limits Estimate 1 test @ \$95.00/test	\$ 95.00
Illinois Bearing Ratio (includes Standard Proctor Test) Estimate 1 test @ \$500.00/test	<u>\$ 500.00</u>
<b>ESTIMATED TOTAL DIRECT COSTS:</b>	<b>\$3,043.90</b>

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DF-824-039  
REV 12/04  
08/06/13

DATE \_\_\_\_\_

**OVERHEAD RATE  
COMPLEXITY FACTOR**

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DBE

DBE 0.00%

# PREPARED BY THE AGREEMENTS UNIT

Printed 8/6/2013 9:59 AM

## SEECO Consultants Inc. - General Conditions-0213

### Scope of Work

SEECO Consultants Inc. (hereinafter called SEECO) shall perform the services defined in this contract and shall invoice the Client for those services at the stated amount or standard rates shown on the attached fee schedule. The estimate of cost to the Client as stated in this contract shall not be considered as a firm figure, but only an estimate unless otherwise specifically stated in this contract. SEECO will provide additional services under this contract as requested by the Client and invoice the Client for those additional services at the standard rates, as quoted. Contract does not include the provision for prevailing wage rates unless otherwise stated. Acceptance of services proposed herewith - prior to contract execution- implies and constitutes acceptance of rates and conditions set forth in this contract unless explicitly agreed upon mutually in writing prior to inception of services.

### Soil Boring Locations

It is understood that the Client will furnish SEECO with a diagram indicating both the location of the site and the borings on that site. SEECO reserves the right to deviate a reasonable distance from the boring location specified unless this right is specifically revoked by the Client in writing at the time the location diagram is supplied. SEECO reserves the right to terminate this contract if conditions preventing the drilling at the specified locations are encountered which were not made known to SEECO prior to the date of this contract. SEECO will contact the underground utility locate network responsible in the locale being drilled. However, SEECO is not responsible for damage to underground utilities that are not marked, located or mislocated/mismarked whether said utility is party to the locating network or not. Client is responsible for locating proprietary utilities and/or underground structures and appurtenances. SEECO will backfill the boreholes with soil cuttings and match the surface to existing conditions, unless otherwise stated in the contract. SEECO is not responsible to maintain boreholes beyond initial backfilling, for any repair of settled backfill, or any costs associated with potential borehole settlement, including reparations or personal injury beyond our active on site exploration time.

### Construction Observation and Testing

Unless otherwise stated in contract, field personnel charges are subject to an eight hour minimum, including portal-to-portal travel time. Any cancellations onsite will incur said eight hour minimum. Cancellations after travel time has commenced will incur a minimum charge of 3 hours to the client.

### Access to Sites

Unless otherwise agreed, the Client will furnish SEECO with right-of-access to the site in order to conduct the planned investigation or inspection. SEECO will take responsible precautions to minimize damage to the site due to its operations, but has not included in the fee the cost of restoration of any damage resulting from the operations. This includes crop damage/restoration costs. If the Client desires, SEECO will restore any damage to the site and add the cost of restoration to the fee stated in the proposal contract.

### Samples/Reports

All samples of soil and rock will be discarded 60 days after submission of the report unless the Client advises SEECO in writing to the contrary. SEECO will furnish three copies of each report to the client.

### Subcontracts/Assignments

SEECO reserves the right to subcontract drilling and related support services to SEECO Environmental Services Inc. and construction inspection, observation and testing services to SEECO Construction Services, Inc. Subcontracting rights are not limited to stated services or entities. Client may not assign this contract without express written consent of SEECO.

### Invoices

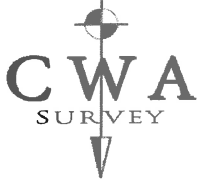
Invoices will be submitted once a month for services performed during the prior month. Payment will be due within 30 days of receipt of invoice unless otherwise stated in contract. Interest will be added to delinquent accounts at the rate of two percent per month for each month of delinquency. The billing rates as described in the contract may be increased on the annual anniversary of the effective date of this contract at an annual rate not to exceed 10%. Any and all costs incurred in collecting delinquent invoices, including but not limited to legal fees, filing fees and costs, court costs, etc. will be added to the amount due.

### Liability

SEECO is protected by Workman's Compensation Insurance (and/or employer's liability insurance) and by public liability insurance for bodily injury (limit \$1,000,000) and property damage (limit \$1,000,000) and will furnish certificates of insurance upon request. Within the limits of the insurance, SEECO agrees to save the Client harmless from loss, damage, injury or liability arising directly from the negligent acts or omissions of SEECO and its employees. If the Client's contract places greater responsibility upon SEECO or requires increased insurance coverage, SEECO will, if specifically directed by the Client, take out additional insurance, if obtainable, at the Client's expense, but will not be responsible for property damage from any causes, including fire and/or explosion beyond the limits of the insurance coverage.

### Limitation of Liability

The Client recognizes the inherent risks connected with construction. In performing their professional services, SEECO will use that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of their profession practicing in the same or similar locality. No other warranty, express or implied, is made or intended by the proposal for consulting services or by furnishing oral or written reports of the findings made. It is agreed that the Client will limit any and all liability, claim for damages, cost of defense, or expenses to be levied against SEECO on account of any design defect, error, omission, or professional negligence to a sum not to exceed \$1,000.00. Further, the Client agrees to notify any contractor or subcontractor who may perform work in connection with any design, report or study prepared by SEECO of such limitation of liability for design defects, omissions, or professional negligence, and require as a condition precedent to their performing the work a like limitation of liability on their part as against SEECO. In the event the Client fails to obtain a like limitation of liability provision as to design defects, errors, omissions, or professional negligence, any liability of the Client and SEECO in such a manner that the aggregate liability for SEECO for such design defect to all parties, including the Client shall not exceed \$1,000.00. Limitation of liability stated herewith is extended to include SEECO Construction Services, Inc. and SEECO Environmental Services, Inc., and any and all officers, shareholders, employees and/or agents of SEECO Consultants Inc., SEECO Construction Services, Inc., and/or SEECO Environmental Services, Inc.



## **Claassen, White & Associates, P.C.**

LAND SURVEYORS

121 Airport Drive, Unit I, Joliet, Illinois 60431  
(815) 744-3720 office (815) 744-3752 fax  
[claassenwhite@cwasurvey.com](mailto:claassenwhite@cwasurvey.com)

DBE & WBE certified  
IDOT prequalified in Special Services (Surveying)

RHONDA J. WHITE, PLS  
President

DAVID A. CLAASSEN, PLS  
Vice-President

July 31, 2013

Darcie Gabrisko, P.E.  
Vice President  
Strand Associates Inc.  
1170 South Houbolt Road  
Joliet, IL 60431

RE: Village of Orland Park  
Ravinia at 147<sup>th</sup> Street Intersection Improvement

### Scope of Work

- Plat of Highways for two parcels per IDOT standards.
- Will provide Horizontal control.
- Will provide Microstation Base CAD file per IDOT standards with all right of ways.
- Will provide PDF and paper copies for preliminary submittal.
- Will provide Mylars for final submittal.

To be furnished by the client: Title Commitments

David A. Claassen, PLS  
Vice President  
Claassen, White & Associates, P.C.  
121 Airport Drive, Unit I  
Joliet, IL 60431  
1-815-744-3720 Office  
1-815-744-3752 Fax  
1-815-405-7337 Cell  
[Dave@cwasurvey.com](mailto:Dave@cwasurvey.com)

**PAYROLL ESCALATION TABLE  
ANNIVERSARY RAISES**

**FIRM NAME  
PRIME/SUPPLEMENT**

Claassen, White & Assoc.  
Prime

**DATE**  
**PTB NO.**

07/31/13  
Ravinia at 147th

**CONTRACT TERM**  
**START DATE**  
**RAISE DATE**

3 MONTHS  
9/1/2013  
ANNIVERSARY

**OVERHEAD RATE**  
**COMPLEXITY FACTOR**  
**% OF RAISE**

118.80%  
0  
3.00%

**ESCALATION PER YEAR**

**DETERMINE THE MID POINT OF THE AGREEMENT**

0

**CALCULATE THE ESCALATION FACTOR TO THE MIDPOINT OF THE CONTRACT**

0.00%

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

**PAYROLL RATES**

FIRM NAME  
PRIME/SUPPLEMENT  
PTB NO.

Claassen, White & Assoc DATE  
Prime  
Ravinia at 147th

07/31/13

ESCALATION FACTOR 0.00%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Land Surveyor (S4)	\$42.10	\$42.10
Land Surveyor (S2)	\$32.00	\$32.00
Land Surveyor (S1)	\$24.00	\$24.00
Technician (T8)	\$29.00	\$29.00
Technician (T6)	\$25.00	\$25.00
Technician (T5)	\$22.00	\$22.00
Technician (T4)	\$20.80	\$20.80
Technician (T3)	\$19.00	\$19.00
Office Tech (OT2)	\$21.00	\$21.00
Administration (A2)	\$18.00	\$18.00



DF-824-034  
REV 12/04

DATE \_\_\_\_\_

118.80%

## COMPLEXITY FACTOR

DBE 0.00%

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## AVERAGE HOURLY PROJECT RATES

**FIRM** Claassen, White & Assoc.  
**PTB** Ravinia at 147th  
**PRIME/SUPPLEMENT** Prime

DATE 07/31/13

**SHEET 1 OF 1**

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			1. QA/QC			2. Administration			3. Field Survey			4. Office Survey			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	Hours	% Part.	Wgt'd Avg			
Land Surveyor (S4)	42.10	10	11.63%	4.90	2	100.00%	42.10	2	100.00%	42.10	0				6	17.65%	7.43		
Land Surveyor (S2)	32.00	36	41.86%	13.40	0			0			24	50.00%	16.00		12	35.29%	11.29		
Technician (T8)	29.00	16	18.60%	5.40	0			0			0				16	47.06%	13.65		
Technician (T6)	25.00	0			0			0			0				0				
Technician (T5)	22.00	24	27.91%	6.14	0			0			24	50.00%	11.00		0				
Technician (T4)	20.80	0			0			0			0				0				
Technician (T3)	19.00	0			0			0			0				0				
Office Tech (OT2)	21.00	0			0			0			0				0				
Administration (A2)	18.00	0																	
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Firm Name: Claassen, White &amp; Associates, P.C. PTB/Item No: Ravinia

REQUIRED – DIRECT COSTS WILL ONLY BE ACCEPTED FOR INCLUSION IN CONTRACT WHEN DOCUMENTED ON THIS FORM.  
(Indicate only rate and quantities for this specific project.)

Item	Allowable	Contract (1) Rate	Quantity (n/a for work orders)	Total
*Per Diem	Up to State Rate Maximum			\$0.00
*Lodging (Overnight)	Up to State Rate Maximum			\$0.00
*Lodging (Extended)	Actual Cost (based on IDOT's and firm's policy)			\$0.00
Air Fare Coach Rate (with two weeks' notice)	As Approved			\$0.00
*Vehicles:		\$0.56	0.00	
Mileage	Up to State Rate Maximum			\$0.00
Daily Rate (owned or leased)	\$45/day	\$45.00	4.00	\$180.00
Overtime	(Premium Portion)			\$0.00
Tolls	Actual Cost	\$6.00	0.00	\$0.00
Digital Photo Processing	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
**Cell Phones – (traffic systems, survey, phase III only)	\$70/month/phone (maximum) – Phase III (max. of three without IDOT approval)			\$0.00
Telephone Usage (traffic system monitoring)	Actual Cost			\$0.00
2-Way Radio (survey or phase III only)	Actual Cost			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost	\$18.50		\$0.00
Copies of Deliverables/Mylars (in-house)	Actual Cost	\$10.00	2.00	\$20.00
Copies of Deliverables/Mylars (outside)	Actual Cost			\$0.00
Specific Insurance (required for project)	Actual Cost			\$0.00
CADD	Actual Cost (max. \$15.00/hour)			\$0.00
Monuments (permanent)	Actual Cost	\$6.93	0.00	\$0.00
Advertisements	Actual Cost			\$0.00
Web Site	Actual Cost			\$0.00
Facility Rental for Public Meetings & Exhibits/Renderings & AV	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Recording Fees	Actual Cost	\$37.50	0.00	\$0.00
Courthouse Fees	Actual Cost	\$50.00	2.00	\$100.00
Testing of Soil Samples	Actual Cost			\$0.00
***Lab Services	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (requires 2-3 quotes)			\$0.00
Traffic Control and Protection	Actual Cost (requires 2-3 quotes)			\$0.00
Aerial Photography and Mapping	Actual Cost (requires 2-3 quotes)			\$0.00
Utility Exploratory Trenching	Actual Cost (requires 2-3 quotes)			\$0.00
Shift Differential	Actual Cost (based on firm's policy)			\$0.00
PROJECT Site Travel	Actual Cost (based on IDOT's and firm's policy)			\$0.00
Equipment Rental and/or Specific Equipment on a as needed basis when requested by IDOT	Actual Cost (requires 2-3 quotes)			\$0.00
Title Work (Wheatland Title)	Actual Cost (requires 2-3 quotes)	\$350.00	0.00	\$0.00
Parking (City of Chicago / County Building)	Include 2-3 vendor quotes and explanation for necessity.	\$30.00	1.00	\$30.00
<b>TOTAL</b>				<b>\$330.00</b>

1) Used to determine upper limit of compensation for direct cost. Unless maximum is specified under allowable, bill at actual cost.

\*per GOVERNOR'S TRAVEL CONTROL BOARD

\*\*Employee personal cell phones are not allowable expenses if not left on job site

\*\*\*Lab services-provide breakdown of cost for each lab service

Scope of Services																											Page 1
1. This is an English project. Plat of Highway										Client :<																	

Scope of Services																									Page 2
Client										Strand Associates Village of Orland Park															
Route Limits										Ravinia Avenue and 147th Street															
Consultant										Claassen, White & Associates, P.C.															
CWA Job Number																									
Date										July 31, 2013															

Scope of Services															Page 3
Client		: Strand Associates : Village of Orland Park : 													

# Scope of Services

Page 4

Item 4		Office Survey																Total	
4.1 Research - TOTAL																			
4.1.1 Research at County Courthouse		4																	
4.1.2 General Document and Plat Research																			
4.1.3 Order Necessary Documentation																			
4.2 Computations - TOTAL																			
4.2.1 Centerline Alignment																			
4.2.2 Section Corners																			
4.2.3 Boundary Lines																			
4.2.4 Existing Right of Way Lines																			
4.2.5 Parcel Computation w/Reports																			
4.2.6 Proposed Right of Way Lines																			
4.2.7 Calculate Inverts																			
4.3 Data Management - TOTAL																			
4.3.1 Data Downloading/ASCII files																			
4.3.2 GPS Processing																			
4.3.3 GPS Computation																			
4.3.4 Level Note Reduction																			
4.3.5 General Data Management																			
4.4 Plats/CAD - TOTAL																			
4.4.1 Plats of Highway																			
4.4.2 Centerline Alignment Plat																			
4.4.3 Centerline Tie Sheet																			
4.4.4 Proposed ROW Tie Sheet																			
4.4.5 Monument Records																			
4.4.6 TIN / DTM																			
4.4.7 Cover Sheet																			
4.4.8 Topography																			
4.5 Legal Descriptions - TOTAL		2																	
Office Survey		6																	
Sub-total																			

Client	Strand Associates Village of Orland Park
Route Limits	Ravinia Avenue and 147th Street
Consultant	Claassen, White & Associates, P.C.
CWA Job Number	
Date	July 31, 2013

Administration (A1)	Administration (A2)	Administration (A3)	Office Tech (OT1)	Office Tech (OT2)	Office Tech (OT3)	Technician (T1)	Technician (T2)	Technician (T3)	Technician (T4)	Technician (T5)	Technician (T6)	Technician (T7)	Technician (T8)	Land Surveyor (S1)	Land Surveyor (S2)	Land Surveyor (S3)	Land Surveyor (S4)
													16		12		6