

DRAFT

EXHIBIT “A”

**Supplement #2B
CMT Phase II Scope of Services
Cedar Lake Road – IL 120 to Nippersink Road
Project**

SUPPLEMENT #2B – Detailed Scope of Additional Engineering Service

Exhibit A: SUPPLEMENTAL SCOPE OF SERVICES

Lake County Division of Transportation Project Scope Description to Provide Phase II (Design) Services for Cedar Lake Road – IL Route 120 to Nippersink Road

1. **Data Collection:** NO OUT OF SCOPE/ADDITIONAL WORK
2. **Field and Land Surveys (State Plane):** NO OUT OF SCOPE/ADDITIONAL WORK
3. **Pump Station Alternative Analysis:** NO OUT OF SCOPE/ADDITIONAL WORK
4. **RV Sales/Service Facility Improvements (Forest Preserve Property)**
 - a. Additional Landscaping and Erosion Control Design: Original scope was developed assuming only a temporary cover crop and temporary erosion control blanket would be placed throughout the RV site following grading. This initial assumption was evident in the meeting minutes with the Lake County Forest Preserve District (LCFPD) on August 26, 2015. The final landscaping and erosion control became much more complex, and required additional design, sheet preparation, and LCFPD coordination/reviews. This line item covers the design and sheet preparation, while line items 4.c. & 4.d cover the additional LCFPD Specifications and additional LCFPD coordination/reviews.
 - b. Additional Project Schedule Considerations Related to LCFPD Work: Multiple construction schedules were developed to account for schedule restrictions related to LCFPD work. Specifically, the schedule restrictions were related to the planting schedules of specific seed mixtures, tree planting schedules, staff availability for building removal, and migratory bird species activity restrictions. Anticipated construction schedules were submitted to LCDOT on 11/21/2016, 11/29/2016, and 1/23/2017. The 1/23/2017 submittal included three separate schedules to account for different potential letting/construction start dates.
 - c. Additional LCFPD Specifications:
 - 1) Seeding, Special II (Basic Prairie)/Maintenance Mowing/Prairie Weed Control
 - 2) Seeding Special III (Low-Maintenance Turf)
 - 3) Trees (Special)
 - d. Additional coordination/reviews by LCFPD for the plans, specifications, and quantities at Nippersink Forest Preserve, specifically with respect to the erosion control, native seeding, tree planting, and special contractor qualifications/schedule requirements within the site.
 - e. Temporary License Agreement Exhibits: These exhibits were requested to allow pre-contract tree removal work to occur on LCFPD property. Submitted original exhibits on 2/13/2017 and updated exhibits on 2/14/2017, 2/20/2017, 2/21/2017, and 2/24/2017.

5. Geotechnical Investigations/Reports: NO OUT OF SCOPE/ADDITIONAL WORK

6. Intersection Design Study/IDOT Detour Plans Coordination:

- a. Coordination with IDOT to submit required information for detour plans and schedule presentation to IDOT Detour Committee.
- b. Preparation for IDOT Detour Committee presentation.
- c. IDOT Detour Committee meeting presentation (2/16/2017).
- d. Meeting Minutes for IDOT Detour Committee meeting presentation.
- e. Post meeting coordination with IDOT due to change in construction schedule. Detour #2 re-scheduled to 2018.

7. Preliminary Structural Plans: NO OUT OF SCOPE/ADDITIONAL WORK

8. Prefinal & Final Structural Plans: NO OUT OF SCOPE/ADDITIONAL WORK

9. Roadway Plans:

- a. South End Limit Extension: The original southern project limit was the north end of the Cedar Lake Road Extension project completed in 2012 (approximate station 803+65). The project limits were extended southerly to include widening and reconstruction of Cedar Lake Road and parkway improvements to incorporate an 8' multi-use path on both sides of Cedar Lake Road. The widen/reconstruct north limit is approximate station 797+25, and the 8' multi-use path extends to the intersection of Cedar Lake Road and IL Route 120 (approximate Station 791+90). The extension of the project to the south resulted in additional sheets as described below:
 - 1) Typical Section Sheets (2 Additional Sheets)
 - 2) Removal Plan (1 Additional Sheet was added; however, the sheet count is 3 below the sheet count in the original scope – 3 Credited Sheets)
 - 3) Roadway Plan & Profile (2 sheets were added; however, the sheet count matches the original scope – No Change)
 - 4) Bike Path Plan & Profile (2 Additional Sheets)
 - 5) Pavement Grading Details (5 Additional Sheets)
 - 6) ADA Details (3 Additional Sheets)
 - 7) Construction Staging and Maintenance of Traffic (8 Additional Sheets)
 - 8) Erosion and Sediment Control Sheets (6 Additional Sheets)
 - 9) Drainage Plan & Profile (2 sheets were added; however, the sheet count matches the original scope – No Change)
 - 10) Landscaping Plan (1 Additional Sheet)
 - 11) Pavement Marking Plan (2 Additional Sheets)
 - 12) Cross Section Sheets (10 Additional Sheets)
- b. Bike Path Plan & Profile Sheets: Due to the level of detail required in describing the bike path alignment & profile, separate bike path plan and profile sheets were required. A total of 5 bike path plan and profile sheets were required, and 2 sheets were already accounted for under line item 9.a.4). (3 Additional Sheets in this line item).

- c. Detour Plans (4 Additional Sheets)
- d. Address Post-Final Submittal LCDOT Review Comments and Provide Dispositions
- e. Repackage and Resubmit “Issued for Construction” Plans, Specifications, and Construction Cost Estimate.

10. Specifications and Quantities: NO OUT OF SCOPE/ADDITIONAL WORK

11. Environmental/Permitting: NO OUT OF SCOPE/ADDITIONAL WORK

12. Soil Erosion and Sediment Control: NO OUT OF SCOPE/ADDITIONAL WORK

13. Right of Way Services: NO OUT OF SCOPE/ADDITIONAL WORK

14. Design Services During Construction: NO OUT OF SCOPE/ADDITIONAL WORK

15. Progress Meetings/Field Meetings/Field Checks/Coordination: NO OUT OF SCOPE/ADDITIONAL WORK

16. Quality Management Plan: NO OUT OF SCOPE/ADDITIONAL WORK

17. Administration/Project Management: NO OUT OF SCOPE/ADDITIONAL WORK

EXHIBIT “B”

CMT Cost Estimate of Consultant Services (CECS)

EXHIBIT "B" - Supplement #2B

Route: Cedar Lake Road - Phase II
 Local Agency: Lake County Division of Transportation
 Section No.: 08-00065-02-RS

*Firm's **approved rates** on file with DOT'S
 Bureau of Accounting and Auditing:

Overhead Rate (OH) 164.09%
 Complexity Factor '®' 0.00
 Calendar Days 212

Method of Compensation:

Cost Plus Fixed Fee 1 ☒ 14.5%[DL + R(DL) + OH(DL) + IHDC]
 Cost Plus Fixed Fee 2 ☐ 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
 Cost Plus Fixed Fee 3 ☐ 14.5%[(2.3 + R)DL + IHDC]

Cost Estimate of Consultant's Services in Dollars

Element of Work	Man-Hours	Payroll Rate	Payroll Costs (DL)	Overhead*	Services by others	In-House Direct Costs (IHDC)	Profit	Total	% of Grand Total
Phase II Tasks									
1 Data Collection	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
2 Field Surveys	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
3 Pump Station Alt Analysis/Surveys/Des	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
4 RV Sales/Service Facility Improvements	152.0	\$33.00	\$5,015.26	\$8,229.55	\$0.00	\$0.00	\$1,920.50	\$15,165.31	21.78%
5 Geotechnical Investigations	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
6 Intersection Design Study	28.0	\$39.85	\$1,115.69	\$1,830.73	\$0.00	\$0.00	\$427.23	\$3,373.64	4.85%
7 Preliminary Structural Plans (Culvert)	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
8 Prefinal & Final Structural Plans	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
9 Roadway Plans	488.0	\$34.46	\$16,814.65	\$27,591.17	\$0.00	\$0.00	\$6,438.84	\$50,844.67	73.03%
10 Specifications & Quantities	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
11 Environmental/Permitting	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$210.00	\$30.45	\$240.45	0.35%
12 Soil Erosion and Sediment Control	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
13 Right of Way Services	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
14 Design Services During Bid/Constructio	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
Project Management Tasks									
15 Meetings and Coordination	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
16 Quality Assurance Plan	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
17 Project Administration	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
Total Out of Scope Effort	668.0	\$34.35	\$22,945.61	\$37,651.44	\$0.00	\$210.00	\$8,817.02	\$69,624.07	100.00%

Total Supplement #2 Request: **\$69,624.07**

**SUPPLEMENT 2B: Cedar Lake Road - Phase
II II 120 to Nippersink Road
Lake County Division of Transportation**

Man Hour Estimate for Consulting Services (Total Project)

Crawford, Murphy, and Tilly, Inc.

Summary of Man Hours

Item		CMT Total Hours
Phase II Tasks		
1	Data Collection	0.0
2	Field Surveys	0.0
3	Pump Station Alt Analysis/Surveys/Design	0.0
4	RV Sales/Service Facility Improvements	152.0
5	Geotechnical Investigations	0.0
6	Intersection Design Study	28.0
7	Preliminary Structural Plans (Culvert)	0.0
8	Prefinal & Final Structural Plans	0.0
9	Roadway Plans	488.0
10	Specifications & Quantities	0.0
11	Environmental/Permitting	0.0
12	Soil Erosion and Sediment Control	0.0
13	Right of Way Services	0.0
14	Design Services During Bid/Construction	0.0
Project Management Tasks		
15	Meetings and Coordination	0.0
16	Quality Assurance Plan	0.0
17	Project Administration	0.0
Total Project Hours:		668.0

		CMT Hours
1	Data Collection	
	NO OUT OF SCOPE/ADDITIONAL WORK	0
	Sub - total	0
2	Field Surveys	
	NO OUT OF SCOPE/ADDITIONAL WORK	0
	Sub - total	0
3	Pump Station Alt Analysis/Surveys/Design	
	NO OUT OF SCOPE/ADDITIONAL WORK	0
	Sub - total	0
4	RV Sales/Service Facility Improvements	
4.a	Additional Landscaping and Erosion Control Design	30
4.b	Additional Project Schedule Considerations Related to LCFPD Work	48
4.c	Additional LCFPD Specifications	24
4.d	Additional Coordination/Reviews by LCFPD	40
4.e	Temporary License Agreement Exhibits	10
	Sub - total	152
5	Geotechnical Investigations/Reports	
	NO OUT OF SCOPE/ADDITIONAL WORK	0
	Sub - total	0

**SUPPLEMENT 2B: Cedar Lake Road - Phase
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Man Hour Estimate for Consulting Services (Total Project)

Crawford, Murphy, and Tilly, Inc.

6 Intersection Design Study/IDOT Detour Plans Coordination

6.a	Coordination with IDOT, submit required information, and schedule presentation to IDOT Detour Committee	12	
6.b	Preparation for IDOT Detour Committee presentation	4	
6.c	IDOT Detour Committee presentation	4	
6.d	Meeting Minutes for IDOT Detour Committee presentation	4	
6.e	Post meeting Coordination with IDOT (Change in construction schedule. Detour #2 rescheduled to 2018)	4	
Sub - total			28

7 Preliminary Structural Plans

	NO OUT OF SCOPE/ADDITIONAL WORK	0	
Sub - total			0

8 Prefinal & Final Structural Plans

	NO OUT OF SCOPE/ADDITIONAL WORK	0	
Sub - total			0

9 Roadway Plans

<u>9.a South End Limit Extension</u>					
	<u>Plan Sheet Preparation (Hours Listed Below)</u>	<u>Added</u>	<u>Subtracted</u>	<u>Hours/Sheet</u>	<u>Hours</u>
9.a.1)	Typical Sections	2	-	20	40
9.a.2)	Removal Plan	-	3	18	(54)
9.a.3)	Roadway Plan & Profile	-	-	18	0
9.a.4)	Bike Plan & Profile	2	-	14	28
9.a.5)	Pavement Grading Details	5	-	16	80
9.a.6)	ADA Details	3	-	16	48
9.a.7)	Construction Staging and Maintenance of Traffic	8	-	8	64
9.a.8)	Erosion and Sediment Control	6	-	12	72
9.a.9)	Drainage Plan & Profile	-	-	20	0
9.a.10)	Landscaping Plan	1	-	8	8
9.a.11)	Pavement Marking Plan	2	-	8	16
9.a.12)	Cross Sections - Cedar Lake Road	10	-	4	40

Note: The Hours/Sheet for the Landscaping Plan and Pavement Marking Plan were reduce from the original scope since they were originally combined

	<u>Plan Sheet Preparation (Hours Listed Below)</u>	<u>Added</u>	<u>Hours/Sheet</u>	<u>Hours</u>
9.b	Bike Path Plan & Profile Sheets:	3	14	42
9.c	Detour Plans	4	20	80
9.d	Address Post-Final Submittal LCDOT Review Comments and Provide Dispositions			12
9.e	Repackage and Resubmit "Issued for Construction" Plans, Specifications, and Construction Cost Estimate			12
Sub - total				488

10 Specifications & Quantities

	NO OUT OF SCOPE/ADDITIONAL WORK	0	
Sub - total			0

11 Environmental/Permitting

	NO OUT OF SCOPE/ADDITIONAL WORK	0	
Sub - total			0

**SUPPLEMENT 2B: Cedar Lake Road - Phase
II II 120 to Nippersink Road
Lake County Division of Transportation**

Man Hour Estimate for Consulting Services (Total Project)

Crawford, Murphy, and Tilly, Inc.

12	Soil Erosion and Sediment Control		
	NO OUT OF SCOPE/ADDITIONAL WORK	0	
	Sub - total		0
13	Right of Way Services		
	NO OUT OF SCOPE/ADDITIONAL WORK	0	
	Sub - total		0
14	Design Services During Bid/Construction		
	NO OUT OF SCOPE/ADDITIONAL WORK	0	
	Sub - total		0
15	Meetings and Coordination		
	NO OUT OF SCOPE/ADDITIONAL WORK	0	
	Sub - total		0
16	Quality Assurance Plan		
	NO OUT OF SCOPE/ADDITIONAL WORK	0	
	Sub - total		0
17	Project Administration		
	NO OUT OF SCOPE/ADDITIONAL WORK	0	
	Sub - total		0

**SUPPLEMENT 2B: Cedar Lake Road - Phase
II II 120 to Nippersink Road
Lake County Division of Transportation
Estimate of Direct Costs
Crawford, Murphy, and Tilly, Inc.**

1	Data Collection		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
2	Field Surveys		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
3	Pump Station Alt Analysis/Surveys/Design		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
4	RV Sales/Service Facility Improvements		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
5	Geotechnical Investigations		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
6	Intersection Design Study		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
7	Preliminary Structural Plans (Culvert)		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
8	Prefinal & Final Structural Plans		
a	No Direct Costs		
	Sub - total		\$0.00

**SUPPLEMENT 2B: Cedar Lake Road - Phase
II II 120 to Nippersink Road
Lake County Division of Transportation**

Estimate of Direct Costs

9	Roadway Plans		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
10	Specifications & Quantities		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
11	Environmental/Permitting		
a	IDNR-OWR Permit Review Delegation Letter Fee	\$210.00	
	Sub - total		\$210.00
12	Soil Erosion and Sediment Control		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
13	Right of Way Services		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
14	Design Services During Bid/Construction		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
15	Meetings and Coordination		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
16	Quality Assurance Plan		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00
17	Project Administration		
a	No Direct Costs	\$0.00	
	Sub - total		\$0.00

AVERAGE HOURLY PROJECT RATES

Crawford, Murphy & Tilly, Inc.

DATE 05/11/17

SHEET **1** **OF** **4**

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Data Collection			Field Surveys			Pump Station Alt Analysis/S			RV Sales/Service Facility Improve			Geotechnical Investigations		
		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																	
Senior Project Engineer	60.81	24	3.59%	2.18															
Project Engineer	47.29	42	6.29%	2.97										10	6.58%	3.11			
Senior Engineer	36.87	252	37.72%	13.91										52	34.21%	12.61			
Senior Technical Manager	40.62	0																	
Engineer	29.17	350	52.40%	15.28										90	59.21%	17.27			
Planner	23.17	0																	
Registered Land Surveyor	42.25	0																	
Senior Technician	36.00	0																	
Technician II	27.21	0																	
Technician I	21.09	0																	
Clerical	21.40	0																	
TOTALS		668	100%	\$34.35	0	0.00%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	152	100%	\$33.00	0	0%	\$0.00

AVERAGE HOURLY PROJECT RATES

FIRM Crawford, Murphy & Tilly, Inc.
PSB _____
PRIME/SUPPLEMENT _____

DATE 05/11/17
SHEET 2 **OF** 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Intersection Design Study			Preliminary Structural Plans			Prefinal & Final Structural Plans			Roadway Plans			Specifications & Quantities		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	70.00															
Senior Project Engineer	60.81										24	4.92%	2.99			
Project Engineer	47.29	8	28.57%	13.51							24	4.92%	2.33			
Senior Engineer	36.87	20	71.43%	26.33							180	36.89%	13.60			
Senior Technical Manager	40.62															
Engineer	29.17										260	53.28%	15.54			
Planner	23.17															
Registered Land Surveyor	42.25															
Senior Technician	36.00															
Technician II	27.21															
Technician I	21.09															
Clerical	21.40															
TOTALS		28	100%	\$39.85	0	0%	\$0.00	0	0%	\$0.00	488	100%	\$34.46	0	0%	\$0.00

AVERAGE HOURLY PROJECT RATES

FIRM	<u>Crawford, Murphy & Tilly, Inc.</u>
PSB	<u> </u>
PRIME/SUPPLEMENT	<u> </u>

DATE 05/11/17

SHEET 3 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Environmental/Permitting			Soil Erosion and Sediment Control			Right of Way Services			Design Services During Bid/Co			Meetings and Coordination		
		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															
Senior Project Engineer	60.81															
Project Engineer	47.29															
Senior Engineer	36.87															
Senior Technical Manager	40.62															
Engineer	29.17															
Planner	23.17															
Registered Land Surveyor	42.25															
Senior Technician	36.00															
Technician II	27.21															
Technician I	21.09															
Clerical	21.40															
TOTALS		0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

AVERAGE HOURLY PROJECT RATES

FIRM	Crawford, Murphy & Tilly, Inc.
PSB	_____
PRIME/SUPPLEMENT	_____

DATE 05/11/17

SHEET **4** **OF** **4**

PAYROLL	AVG	Quality Assurance Plan			Project Administration											
CLASSIFICATION	HOURLY RATES	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	70.00															
Senior Project Engineer	60.81															
Project Engineer	47.29															
Senior Engineer	36.87															
Senior Technical Manager	40.62															
Engineer	29.17															
Planner	23.17															
Registered Land Surveyor	42.25															
Senior Technician	36.00															
Technician II	27.21															
Technician I	21.09															
Clerical	21.40															
TOTALS		0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

**SUPPLEMENT 2B: Cedar Lake Road - Phase
II II 120 to Nippersink Road
Lake County Division of Transportation**

Development of Project Hourly Rates (IDOT Method)

Crawford, Murphy, and Tilly, Inc.

Item	2015 Actual Rate	2016 Projected @ 3.0% Increase	2017 Projected @ 3.0% Increase	2018 Projected @ 3.0% Increase	2019 Projected @ 3.0% Increase	2020 Projected @ 3.0% Increase
Average Hourly Rate as a Percent of 2015 Rate	100.0%	103.0%	106.1%	109.3%	112.6%	115.9%
Estimated Months of Contract in Given Year	0	4	3	0	0	0
% of Project Duration	0.00%	57.14%	42.86%	0.00%	0.00%	0.00%
Extension	0.000	0.589	0.455	0.000	0.000	0.000
Weighted Project Hourly Rate Multiplier	Note: Salary Adjustments are Given on January 1 of Each Year					1.0432

Project Duration: September 1, 2016 to March 31, 2016=

7 months

**SUPPLEMENT 2B: Cedar Lake Road - Phase
II Lake County Division of Transportation**

**Computation of Prorated
Project Hourly Rates**

Crawford, Murphy, and Tilly, Inc.

Classification	Actual 2015 Average Hourly Rate	Weighted Hourly Rate Multiplier	Project Hourly Rates *
Principal	\$70.00	1.0432	\$70.00
Senior Project Engineer	\$58.29	1.0432	\$60.81
Project Engineer	\$45.33	1.0432	\$47.29
Senior Engineer	\$35.34	1.0432	\$36.87
Senior Technical Manager	\$38.94	1.0432	\$40.62
Engineer	\$27.96	1.0432	\$29.17
Planner	\$22.21	1.0432	\$23.17
Registered Land Surveyor	\$40.50	1.0432	\$42.25
Senior Technician	\$34.51	1.0432	\$36.00
Technician II	\$26.08	1.0432	\$27.21
Technician I	\$20.22	1.0432	\$21.09
Clerical	\$20.51	1.0432	\$21.40

* Rates to be applied to all project work tasks