

PROPOSED AGENDA
AIRPORT BOARD
Watertown Regional Airport
2416 Boeing Avenue
Monday September 30th, 12:00 p.m.

1. Approval of the Agenda
2. Approval of the minutes
3. Public Comments
4. Amendment with Helms & Associates for professional services on terminal apron
5. Notice of intent to enter into a private hangar agreement 60x60
6. Airport update
7. Old Business
8. New Business
9. Executive session
10. Motion to adjourn

There may be a quorum of city council present

9 September 2019 Airport Board Meeting:

Members Present: Shannon Kruse, President; Gerald Rieber, Vice President; Mike Cartney, Secretary; Mike Tomlinson, Board member; Wes Wilkens, Board Member; Airport Manager Todd Syhre, Ex-officio

Excused: Mayor Sara Caron, Ex-officio; Councilman Bruce Buhler, Ex-officio;

Others present: Dan Chrisler (Public Opinion), and Mike Schmidt (Helms).

The meeting was called to order by the president. Gerald R motioned to approve the agenda, seconded by Mike T. Motion carried unanimously.

Mike T. motioned to approve the minutes from 11 July meeting, seconded by Mike C. Motion carried unanimously.

Public Comment. None.

INFO: ArkStar Presentation. Gary Foss presented ongoing activities with the Watertown Air Service and carriers. He reported that American Airlines appears to be moving to keep their passengers coming to Sioux Falls in response to the new service out of Watertown. Watertown has seen a 35% increase in bookings over Sioux Falls. However, there are a couple places where fares have gotten out of balance that ArkStar is working with United and SkyWest to correct. Mike T voiced support for the Key Performance Indicators and provided insights and potential adjustments as we move forward. There was also concerned voice that the terminal capacity will soon be a limiting factor for service out of Watertown.

Airport Update. The rental car service started last week and appears to be going well. They had 9 rental in their first week. Todd S is comfortable that Watertown will make the 10,000 enplanement mark if we can keep up the load factors we have been seeing. Initial Chicago enplanements were lower than anticipated, but seem to be building.

New Business. None.

Old Business. The next version of the draft airport rules and policies is available from Gerry Rieber. He is accepting comments.

Executive Session. N/A.

Next Meeting. Per rule of 2nd Monday of every month.

Adjournment. Mike C motioned to adjourn, Gerald R seconded. Motion carried.

Respectfully submitted,

/S/

Mike Cartney
Secretary

DRAFT

**AMENDMENT NUMBER 1
TO
AGREEMENT FOR PROFESSIONAL SERVICES
FOR AIP# 3-46-0058-033-2018**

AGREEMENT FOR PROFESSIONAL SERVICES, dated April 5, 2018 by and between the **City of Watertown**, South Dakota as OWNER and **Helms and Associates**, a division of Schmucker, Paul, Nohr and Associates, Inc. as ENGINEER, hereinafter referred to as the Agreement for Professional Services, for improvements known as WATERTOWN REGIONAL AIRPORT APRON RECONSTRUCTION PHASE I AND PERIMETER FENCING MODIFICATIONS, hereinafter referred to as the PROJECT, is hereby amended as follows:

- A. Whereas, the OWNER requests the ENGINEER to provide the following services for the PROJECT.
 - 1. Additional Design Services for the Electrical Portion of the Terminal Apron Reconstruction, and
 - 2. Bidding and Negotiation Services as described in Exhibit A, Section B of the Agreement, and
 - 3. Construction Administration Services as described in Exhibit A, Section C of the Agreement, and
 - 4. Resident Engineering, Inspection and Staking Services, as described in Exhibit A, Section D of the Agreement.

- B. The OWNER and the ENGINEER agree that the ENGINEER shall be paid as described in Item 3, Paragraph A, LUMP SUM COMPENSATION, Table A, Design and Bidding and Negotiation, and Paragraph B, COST PLUS FIXED FEE COMPENSATION, Table B, Construction Administration and Resident Engineering Services, with the following costs to be added to the PROJECT:
 - 1. Design and Preparation of Plans and Specifications

Costs/TOTAL \$ 17,365.77/\$96,661.84

 - 2. Bidding and Negotiation

Costs/TOTAL \$ 11,926.23

DRAFT

3. Construction Administration.

Costs	\$ 77,264.21
Fixed Fee	<u>\$ 9,234.38</u>
TOTAL	\$ 86,498.59

4. Resident Engineering Services.

Costs	\$202,492.37
Fixed Fee	<u>\$ 23,718.12</u>
TOTAL	\$226,210.49

These costs are summarized in Attachment "B", pages B4(2), B-5, B-6 and B-7.

The agreed professional services are more particularly described in the "Scope of Services" Exhibit G of the Agreement.

Therefore, the Agreement for Professional Services is hereby amended to add the FEES listed in paragraph B of the amendment to those in the agreement. The new totals for all services are itemized on Amendment #1, Attachment "B".

C. The Amendment changes the Project Number from A.I.P. 3-46-0058-033-2018 to **A.I.P. 3-46-0058-034-2019**.

IN WITNESS WHEREOF the parties hereto have made and executed this Amendment Number 1 this _____ day of _____, 2019.

OWNER: CITY OF WATERTOWN, SD

Sarah Caron, Mayor

ATTEST: _____
Kristen Bobzien, Finance Officer

ENGINEER: HELMS AND ASSOCIATES
a division of Schmucker, Paul, Nohr and Associates, Inc.

Bob J. Babcock, President

ATTEST: _____
Randy D. Bacon, Secretary

ATTACHMENT "B"

SUMMARY OF ENGINEERING COSTS

A.I.P. PROJECT NO. 3-46-0058-34-2019

**RECONSTRUCTION OF TERMINAL APRON - PHASE I
WATERTOWN REGIONAL AIRPORT
WATERTOWN, SOUTH DAKOTA**

		PROJECT TOTAL
SECTION 1		
	ENVIRONMENTAL REVIEW & FIELD SURVEY \$ 6,096.44 *	
	ENGINEER'S DESIGN REPORT \$ 13,093.85 *	
	PRELIMINARY DESIGN OF TERMINAL APRON RECONSTRUCTION \$ 26,026.95 *	
	FINAL DESIGN OF TERMINAL APRON RECONSTRUCTION & CHAIN LINK FENCE MOD. \$ 34,078.82 *	
	TERMINAL APRON RECONSTRUCTION - ELECTRICAL \$ 17,365.77	
	LUMP SUM TOTAL \$ 96,661.84	<u>\$96,661.84</u>
SECTION 2		
	BIDDING & NEGOTIATION SERVICES \$11,926.23	
	LUMP SUM TOTAL \$11,926.23	<u>\$11,926.23</u>
SECTION 3		
	CONSTRUCTION ADMINISTRATION	
	COSTS \$77,264.21	
	**FIXED FEE \$9,234.38	
	TOTAL \$86,498.59	<u>\$86,498.59</u>
SECTION 4		
	RESIDENT ENGINEERING SERVICES	
	COSTS \$202,492.37	
	**FIXED FEE \$23,718.12	
	TOTAL \$226,210.49	<u>\$226,210.49</u>
	TOTAL PROJECT ENGINEERING SERVICES	<u><u>\$421,297.16</u></u>

*THESE SUB-SECTIONS WERE PREVIOUSLY CONTRACTED UNDER A 2018 FAA GRANT.

** MAXIMUM LIMITING FEE

**SECTION I
WATERTOWN REGIONAL AIRPORT
TERMINAL APRON RECONSTRUCTION - ELECTRICAL
FINAL DESIGN**

Work Description	Proj. Man. (hrs)	Senior Eng. Associate (hrs)	Proj. Engr. V (hrs)	Drafting Supervisor (hrs)	Project Administrator (hrs)	Land Surveyor III (hrs)	Clerical II (hrs)
(a) Project Layout	0	4	0	0	0	8	0
(b) Final Cost Estimate	1	1	0	0	0	0	0
(c) Electrical Sub-Consultant Coordination	4	8	0	0	0	0	0
(d) Owner & Agency Review	1	1	0	0	0	0	0
(e) Airport Board Meetings (1)	0	4	0	0	0	0	0
(f)							
(g)							
(h)							
(i)							
(j)							
(j)							
(k)							
(l)							
(m)							
(n)							
(o)							
(p)							

TOTAL HOURS 6 18 0 0 0 8 0

	Hours		Rate \$/hr	=	
Project Manager	6	@	\$89.00	=	\$534.00
Senior Engineer/Associate	18	@	\$50.00	=	\$900.00
Project Engineer V	0	@	\$34.00	=	\$0.00
Drafting Supervisor	0	@	\$38.15	=	\$0.00
Land Surveyor III	0	@	\$33.60	=	\$0.00
Clerical II	8	@	\$17.50	=	\$140.00
Other	0	@		=	\$0.00

SUBTOTAL (1) \$1,574.00

TOTAL DIRECT LABOR COST		Subtotal (1)	=	\$1,574.00	
DIRECT LABOR OVERHEAD	\$1,574.00	wages x	0.69243	=	\$1,089.88
GENERAL & ADMIN. OVERHEAD	\$1,574.00	wages x	1.06167	=	\$1,671.07

SUBTOTAL (2) \$4,334.95

PROFIT (P) AT 14% OF SUBTOTAL (2)	0.14 (P) x	\$4,334.95	=	\$606.89
COST OF MONEY @ 2.717% OF SUBTOTAL (1)	0.02717 x	\$1,574.00	=	\$42.77
MILEAGE	215 Mi. @	\$0.2293	=	\$49.30
ADDITIONAL COSTS:		Meals	=	\$14.00
		Lodging	=	\$0.00
DGR ENGINEERING (ELECTRICAL SUB-CONSULTANT) @ COST			=	\$12,317.86

TOTAL \$17,365.77

Electrical Engineering Services

DESIGN PHASE SERVICES

WATERTOWN REGIONAL AIRPORT
AIR CARRIER RAMP ELECTRICAL IMPROVEMENTS

Work Description	Project Engineer (hrs)	Sr. Aviation Engineer (hrs)	Electrical Engineer (hrs)	Sr. Technician (hrs)	Jr. Technician (hrs)	Graduate Engineer (hrs)	Admin. Assistant (hrs)
1 PREDESIGN AND PROJECT COORDINATION							
1.1 Inventory and Existing Conditions		2		2			
1.2 Coordination and Consultation		2					
1.3 Predesign Meeting		2					
2 PRELIMINARY ENGINEERING							
2.1 Background Drawings		1		4			
2.2 Preliminary Drawings		4	2	8			
2.3 Preliminary Systems Layout		2		8			
3 PREPARE PLANS AND SPECS							
3.1 Electrical Design		2	2	1			
3.2 Prepare Detailed Plans		6	2	16			
3.3 Design Site Review							
3.4 Review and Revision		2		2			
4 PREPARE DETAILED SPECIFICATIONS							
4.1 Technical Specifications		4	2	8			
5 PREPARE COST ESTIMATES							
5.1 Update Cost Estimates		2		4			
6 ADMINISTRATION AND MANAGEMENT							
6.1 Design Team Meetings		2		2			
6.2 Internal QC and Design Review		2					
6.3 Administration		2					2
TOTAL HOURS	0	35	8	55	0	0	2

	Hours		Avg. Rate	=	
Project Engineer	0	@	\$49.00	=	\$0.00
Sr. Aviation Engineer	35	@	\$52.00	=	\$1,820.00
Electrical Engineer	8	@	\$46.50	=	\$372.00
Sr, Technician	55	@	\$29.00	=	\$1,595.00
Jr. Technician	0	@	\$25.50	=	\$0.00
Graduate Engineer	0	@	\$29.00	=	\$0.00
Admin. Assistant	2	@	\$15.00	=	\$30.00
	100		SUBTOTAL (1)		\$3,817.00
TOTAL DIRECT LABOR COST			Subtotal (1)	=	\$3,817.00
LABOR, GEN., ADMIN. OVERHEAD	\$3,817.00	wages x	180.00%	=	\$6,870.60
			SUBTOTAL (2)		\$10,687.60
PROFIT (P) AS % OF SUBTOTAL (2)	0.14 (P) x		\$10,687.60	=	\$1,496.26
MILEAGE	200 Mi. @		\$0.545	=	\$109.00
ADDITIONAL COSTS:			Meals	=	\$0.00
			Lodging	=	\$0.00
			Misc. Expenses	=	\$25.00
OUTSIDE CONSULTANT @ COST				=	\$0.00
			Total =		\$12,317.86

PROPOSED LUMP SUM FEE = \$12,317.86

SECTION 2
WATERTOWN REGIONAL AIRPORT
TERMINAL APRON RECONSTRUCTION
BIDDING & NEGOTIATIONS

Work Description	Proj. Man. (hrs)	Senior Eng. Associate (hrs)	Proj. Engr. V (hrs)	Tech. I (hrs)	Tech. II (hrs)	Clerical II (hrs)
(a) Plan & Specification Printing	0	1	0	0	1	8
(b) Plans & Specifications Distribution	0	0	0	0	0	4
(c) Pre-Bid Conference & Minutes	0	6	0	0	0	1
(d) Bid Opening & Bid Tab	6	6	0	0	0	1
(e) Contractor's Questions	2	8	0	0	0	0
(f) Engineer's Recommendation & Submittals	0	4	0	0	0	0
(g) Construction Contract Assembly	0	0	0	8	0	0
(h) FAA Grant Application & Documentation	1	8	4	0	0	0

TOTAL HOURS	9	33	4	8	1	14
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	Hours		Rate \$/hr		
Project Manager	9	@	\$89.00	=	\$801.00
Senior Engineer/Associate	33	@	\$50.00	=	\$1,650.00
Project Engineer V	4	@	\$34.00	=	\$136.00
Technician I	8	@	\$29.00	=	\$232.00
Technician II	1	@	\$28.50	=	\$28.50
Clerical II	14	@	\$17.50	=	\$245.00
Other	0	@	\$0.00	=	\$0.00

SUBTOTAL (1) \$3,092.50

TOTAL DIRECT LABOR COST	Subtotal (1)	=	\$3,092.50
DIRECT LABOR OVERHEAD	\$3,092.50 wages x	0.69243	= \$2,141.34
GENERAL & ADMIN. OVERHEAD	\$3,092.50 wages x	1.06167	= \$3,283.21

SUBTOTAL (2) \$8,517.05

PROFIT (P) AT 14% OF SUBTOTAL (2)	0.14 (P) x	\$8,517.05	=	\$1,192.39
COST OF MONEY @ 2.717% OF SUBTOTAL (1)	0.02717 x	\$3,092.50	=	\$84.02
MILEAGE	420 Mi. @	\$0.2293	=	\$96.31
ADDITIONAL COSTS:		Meals	=	\$42.00
		Lodging	=	\$0.00
DGR ENGINEERING (ELECTRICAL SUB-CONSULTANT) @ COST			=	\$1,994.46

TOTAL **\$11,926.23**

Electrical Engineering Services

BIDDING AND NEGOTIATION PHASE SERVICES

WATERTOWN REGIONAL AIRPORT
AIR CARRIER RAMP ELECTRICAL IMPROVEMENTS

Work Description	Project Engineer (hrs)	Sr. Aviation Engineer (hrs)	Electrical Engineer (hrs)	Sr. Technician (hrs)	Jr. Technician (hrs)	Graduate Engineer (hrs)	Admin. Assistant (hrs)
1 Prebid Meeting		0					
2 Bid Questions and Addenda		6	4				
3 Bid Analysis, Contract Review, Award		2					1
TOTAL HOURS	0	8	4	0	0	0	1

	Hours		Avg. Rate		
Project Engineer	0	@	\$49.00	=	\$0.00
Sr. Aviation Engineer	8	@	\$52.00	=	\$416.00
Electrical Engineer	4	@	\$46.50	=	\$186.00
Sr. Technician	0	@	\$29.00	=	\$0.00
Jr. Technician	0	@	\$25.50	=	\$0.00
Graduate Engineer	0	@	\$29.00	=	\$0.00
Admin. Assistant	1	@	\$15.00	=	\$15.00
	13		SUBTOTAL (1)		\$617.00
TOTAL DIRECT LABOR COST			Subtotal (1)	=	\$617.00
LABOR, GEN., ADMIN. OVERHEAD	\$617.00	wages x	180.00%	=	\$1,110.60
			SUBTOTAL (2)		\$1,727.60
PROFIT (P) AS % OF SUBTOTAL (2)	0.14 (P) x		\$1,727.60	=	\$241.86
MILEAGE	0 Mi.	@	\$0.545	=	\$0.00
ADDITIONAL COSTS:			Meals	=	\$0.00
			Lodging	=	\$0.00
			Misc. Expenses	=	\$25.00
OUTSIDE CONSULTANT @ COST				=	\$0.00
			Total =		\$1,994.46

PROPOSED LUMP SUM FEE = \$1,994.46

**SECTION 3
WATERTOWN REGIONAL AIRPORT
TERMINAL APRON RECONSTRUCTION
CONSTRUCTION ADMINISTRATION**

Work Description	Proj. Man. (hrs)	Senior Eng. Associate (hrs)	Proj. Engr. VI (hrs)	Proj. Administrator (hrs)	Tech. I (hrs)	Clerical II (hrs)	Land Surveyor II (hrs)
(a) Project Scope of Services & Reviews	4	4	0	0	0	1	0
(b) Preconstruction Conference & Minutes	0	7	6	0	0	1	0
(c) Pre-Paving Meeting	1	6	6	0	0	0	0
(d) Shop Drawings Review	0	24	0	0	0	0	0
(e) P.P.E.'s and C.C.O.'s	4	12	0	0	0	0	0
(f) Project Management/Coordination	40	80	0	0	0	0	0
(g) Payroll Review	0	0	0	26	0	0	0
(h) Construction Management Plan	1	1	16	0	0	1	0
(i) Quality Project Closeout Report Vol. I	1	1	0	8	0	1	0
(j) Quality Project Closeout Report Vol. II	1	4	40	0	0	1	0
(k) Client Meetings & Coordination	12	12	0	0	0	0	0
(l) Bi-Weekly Progress Meetings & Coordination	12	30	0	0	0	7	0
(m) Construction Plans of Record	0	2	4	0	40	0	0
(n) Asphalt QA Testing Solicitation & Coordination	2	12	8	0	0	0	0
(o) DBE Goals & Reports	0	1	0	12	0	0	0
(p) F.A.A. Grant Coordination/Reimbursements	4	8	0	12	0	0	0
(q) F.A.A. Quarterly Reports	0	0	0	8	0	0	0

TOTAL HOURS 82 204 80 66 40 12 0

	Hours		Rate \$/hr		
Project Manager	82	@	\$89.00	=	\$7,298.00
Senior Engineer/Associate	204	@	\$50.00	=	\$10,200.00
Project Engineer VI	80	@	\$31.80	=	\$2,544.00
Project Administrator	66	@	\$38.45	=	\$2,537.70
Technician I	40	@	\$29.00	=	\$1,160.00
Clerical II	12	@	\$17.50	=	\$210.00
Land Surveyor II	0	@	\$34.85	=	\$0.00

SUBTOTAL (1) \$23,949.70

TOTAL DIRECT LABOR COST		Subtotal (1)	=	\$23,949.70
DIRECT LABOR OVERHEAD	\$23,949.70	wages x 0.69243	=	\$16,583.49
GENERAL & ADMIN. OVERHEAD	\$23,949.70	wages x 1.06167	=	\$25,426.68

SUBTOTAL (2) \$65,959.87

PROFIT (P) AT 14% OF SUBTOTAL (2)	0.14 (P) x	\$65,959.87	=	\$9,234.38
COST OF MONEY @ 2.717% OF SUBTOTAL (1) 0.02717 x		\$23,949.70	=	\$650.71
MILEAGE	3200 Mi. @	\$0.2293	=	\$733.76
ADDITIONAL COSTS:		Meals	=	\$248.00
		Lodging	=	\$0.00
DGR ENGINEERING (ELECTRICAL SUB-CONSULTANT) @ COST			=	\$9,671.87

TOTAL \$86,498.59

Electrical Engineering Services

CONSTRUCTION ADMINISTRATION SERVICES

WATERTOWN REGIONAL AIRPORT
AIR CARRIER RAMP ELECTRICAL IMPROVEMENTS

Work Description	Project Engineer (hrs)	Sr. Aviation Engineer (hrs)	Electrical Engineer (hrs)	Sr. Technician (hrs)	Jr. Technician (hrs)	Graduate Engineer (hrs)	Admin. Assistant (hrs)
1 Preconstruction Conference		8	0				
2 Shop Drawing Review		12	4	4			
3 Administration and Management		16	2				4
4 Record/ALP Update Drawings		2		8			
5 Project Closeout Reporting		4		2			
TOTAL HOURS	0	42	6	14	0	0	4

	Hours		Avg. Rate		
Project Engineer	0	@	\$49.00	=	\$0.00
Sr. Aviation Engineer	42	@	\$52.00	=	\$2,184.00
Electrical Engineer	6	@	\$46.50	=	\$279.00
Sr. Technician	14	@	\$29.00	=	\$406.00
Jr. Technician	0	@	\$25.50	=	\$0.00
Graduate Engineer	0	@	\$29.00	=	\$0.00
Admin. Assistant	4	@	\$15.00	=	\$60.00
	66		SUBTOTAL (1)		\$2,929.00
TOTAL DIRECT LABOR COST			Subtotal (1)	=	\$2,929.00
LABOR, GEN., ADMIN. OVERHEAD	\$2,929.00	wages x	180.00%	=	\$5,272.20
			SUBTOTAL (2)		\$8,201.20
PROFIT (P) AS % OF SUBTOTAL (2)	0.14 (P) x		\$8,201.20	=	\$1,148.17
MILEAGE	500 Mi. @		\$0.545	=	\$272.50
ADDITIONAL COSTS:			Meals	=	\$0.00
			Lodging	=	\$0.00
			Misc. Expenses	=	\$50.00
OUTSIDE CONSULTANT @ COST				=	\$0.00
			Total =		\$9,671.87

COST PLUS FIXED FEE MAXIMUM PAYABLE AMOUNT = \$9,671.87

**SECTION 4
WATERTOWN REGIONAL AIRPORT
TERMINAL APRON RECONSTRUCTION
RESIDENT ENGINEERING, CONSTRUCTION OBSERVATION, AND STAKING SERVICES
(APPROXIMATELY 14 WEEKS)**

Work Description	Proj. Man. (hrs)	Senior Eng. Associate (hrs)	Proj. Engr. VI (hrs)	Land Surveyor III (hrs)	Tech. III (hrs)	Tech. X (hrs)	Land Surveyor II (hrs)
(a) Staking - Horizontal & Vertical Control	0	1	0	0	20	16	0
(b) Construction Staking & Note Checks	0	24	30	0	70	70	0
(c) Construction Safety Plan	0	0	20	0	0	0	0
(d) Storm Water Pollution Prevention Plan	0	0	20	0	0	0	0
(e) Drainage & Underdrain	0	8	60	0	0	60	0
(f) Earthwork	8	8	120	0	0	120	0
(g) Recycled Surfacing (Concrete & Asphalt)	8	8	120	0	0	120	0
(h) Gravel Base Course	8	8	100	0	0	100	0
(i) Concrete Surfacing	10	20	200	0	0	200	0
(j) Asphalt Surfacing	10	10	40	0	0	40	0
(k) Seeding & Fertilizing	0	0	10	0	0	0	0
(l) Pavement Marking	0	0	20	0	0	0	0
(m) Quality Assurance	30	60	50	80	0	50	0
(n) Final Inspection	6	6	6	0	0	0	0
(o) AGIS Survey, Submittal & Coordination	2	4	0	0	20	0	40

TOTAL HOURS 82 157 796 80 110 776 40

	Hours		Rate \$/hr		
Project Manager	82	@	\$89.00	=	\$7,298.00
Senior Engineer/Associate	157	@	\$50.00	=	\$7,850.00
Project Engineer VI	796	@	\$31.80	=	\$25,312.80
Land Surveyor III	80	@	\$33.60	=	\$2,688.00
Technician III	110	@	\$27.30	=	\$3,003.00
Technician X	776	@	\$18.00	=	\$13,968.00
Land Surveyor II	40	@	\$34.85	=	\$1,394.00

SUBTOTAL (1) \$61,513.80

TOTAL DIRECT LABOR COST		Subtotal (1)	=	\$61,513.80	
DIRECT LABOR OVERHEAD	\$61,513.80	wages x	0.69243	=	\$42,594.00
GENERAL & ADMIN. OVERHEAD	\$61,513.80	wages x	1.06167	=	\$65,307.36

SUBTOTAL (2) \$169,415.16

PROFIT (P) AT 14% OF SUBTOTAL (2)	0.14 (P) x	\$169,415.16	=	\$23,718.12
COST OF MONEY @ 2.717% OF SUBTOTAL (1)	0.02717 x	\$61,513.80	=	\$1,671.33
MILEAGE	17620 Mi. @	\$0.2293	=	\$4,040.27
ADDITIONAL COSTS:		Meals	=	\$6,872.00
		Lodging	=	\$10,440.00
DGR ENGINEERING (ELECTRICAL SUB-CONSULTANT) @ COST			=	\$7,553.62
FOERSTER TESTING @ COST			=	\$2,500.00

TOTAL \$226,210.49

Electrical Engineering Services

RESIDENT OBSERVATION SERVICES

WATERTOWN REGIONAL AIRPORT
AIR CARRIER RAMP ELECTRICAL IMPROVEMENTS

Work Description	Project Engineer (hrs)	Sr. Aviation Engineer (hrs)	Electrical Engineer (hrs)	Sr. Technician (hrs)	Jr. Technician (hrs)	Graduate Engineer (hrs)	Admin. Assistant (hrs)
1 Resident Observation							
2 Progress/Coordination Meetings		16	6				
3 Sr. Aviation/Electrical Engineer Visits to Site		16	6				
TOTAL HOURS	0	32	12	0	0	0	0

	Hours		Avg. Rate		
Project Engineer	0	@	\$49.00	=	\$0.00
Sr. Aviation Engineer	32	@	\$52.00	=	\$1,664.00
Electrical Engineer	12	@	\$46.50	=	\$558.00
Sr. Technician	0	@	\$29.00	=	\$0.00
Jr. Technician	0	@	\$25.50	=	\$0.00
Graduate Engineer	0	@	\$29.00	=	\$0.00
Admin. Assistant	0	@	\$15.00	=	\$0.00
	44		SUBTOTAL (1)		\$2,222.00
TOTAL DIRECT LABOR COST			Subtotal (1)	=	\$2,222.00
LABOR, GEN., ADMIN. OVERHEAD	\$2,222.00	wages x	180.00%	=	\$3,999.60
			SUBTOTAL (2)		\$6,221.60
PROFIT (P) AS % OF SUBTOTAL (2)	0.14 (P) x		\$6,221.60	=	\$871.02 Fixed Fee
MILEAGE	800 Mi. @		\$0.545	=	\$436.00
ADDITIONAL COSTS:			Meals	=	\$0.00
			Lodging	=	\$0.00
			Misc. Expenses	=	\$25.00
OUTSIDE CONSULTANT @ COST				=	\$0.00
			Total =		\$7,553.62

COST PLUS FIXED FEE MAXIMUM PAYABLE AMOUNT = \$7,553.62