



**APPENDIX D-4**  
**Beneficiary Eligible Mitigation Action Certification**

# BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary State of Illinois

Lead Agency Authorized to Act on Behalf of the Beneficiary Illinois Environmental Protection Agency (Illinois EPA)

<b>Action Title:</b>	Electric School Bus Replacement
<b>Beneficiary's Project ID:</b>	2018-004, 2018-005
<b>Funding Request No.</b>	1
<b>Request Type: (select one or more)</b>	<input checked="" type="checkbox"/> Reimbursement <input type="checkbox"/> Advance <input type="checkbox"/> Other (specify): _____
<b>Payment to be made to: (select one or more)</b>	<input type="checkbox"/> Beneficiary <input checked="" type="checkbox"/> Other (specify): <u>Cook-Illinois Corp., First Student, Inc.</u>
<b>Funding Request &amp; Direction (Attachment A)</b>	<input type="checkbox"/> Attached to this Certification <input checked="" type="checkbox"/> To be Provided Separately

## SUMMARY

<b>Eligible Mitigation Action</b>	<input checked="" type="checkbox"/> Appendix D-2 item (specify): <u>2. Class 4-8 School Bus Replacement and Administrative Expenditures</u>
<b>Action Type</b>	<input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal):
<b>Explanation of how funding request fits into Beneficiary's Mitigation Plan (5.2.1):</b>	
Illinois' BMP allocates up to 10 percent (\$10,867,968) to replace older diesel school buses with all-electric school buses and charging infrastructure and up to 2 percent for administrative costs (Section IV(D)(3), (7), p. 17,19).	
<b>Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):</b>	
This project involves the replacement of three Class 7 (engine model year 2000, 2002, and 2007) diesel school buses with three new Class 7 (engine model year 2018 and 2019) all-electric school buses owned by First Student and Cook-Illinois Corp. The grant award is 75% (\$754,311.26) of eligible costs for 3 electric buses and 2 charging units. The new buses will serve schools located in the City of Chicago and surrounding areas in Cook County, which are in an ozone nonattainment area. Further, the schools to be served by the new buses have high minority and low-income student populations and are located in areas with high minority and low-income populations. Replacing these older diesel buses with new electric buses will result in reductions of NOx and other pollutants thereby providing air quality benefits to the economically disadvantaged communities served.	
<b>Estimate of Anticipated NOx Reductions (5.2.3):</b>	
It is anticipated that this project will result in 0.28 tons of annual NOx emission reductions.	
<b>Identification of Governmental Entity Responsible for Reviewing and Auditing Expenditures of Eligible Mitigation Action Funds to Ensure Compliance with Applicable Law (5.2.7.1):</b>	
Illinois EPA	
<b>Describe how the Beneficiary will make documentation publicly available (5.2.7.2).</b>	
See "Attachment for 5.2.7.2"	
<b>Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8).</b>	
Environmental Mitigation Trust Funds will provide 75% funding (\$754,311.26). Grantees will provide a 25% cost share: Cook-Illinois Corp. cost share is \$158,048.75 and First Student, Inc. cost share is \$93,388.34.	
<b>Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9).</b>	
Illinois EPA provided the requisite notice via email to the appropriate agencies on February 27, 2018.	

**If applicable, describe how the mitigation action will mitigate the impacts of NOx emissions on communities that have historically borne a disproportionate share of the adverse impacts of such emissions (5.2.10).**

The new electric buses will operate in an ozone nonattainment area and serve schools with high minority and low-income student populations. This project will reduce emissions impacts in this nonattainment area and to the disadvantaged community and the students served.

**ATTACHMENTS**  
**(CHECK BOX IF ATTACHED)**

- Attachment A Funding Request and Direction.
- Attachment B Eligible Mitigation Action Management Plan Including Detailed Budget and Implementation and Expenditures Timeline (5.2.4).
- Attachment C Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11).
- Attachment D Detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000 (5.2.6). [Attach only if project involves vendor expenditures exceeding \$25,000.]
- Attachment E DERA Option (5.2.12). [Attach only if using DERA option.]
- Attachment F Attachment specifying amount of requested funding to be debited against each beneficiary's allocation (5.2.13). [Attach only if this is a joint application involving multiple beneficiaries.]


**CERTIFICATIONS**

By submitting this application, the Lead Agency makes the following certifications:

1. This application is submitted on behalf of Beneficiary State of Illinois, and the person executing this certification has authority to make this certification on behalf of the Lead Agency and Beneficiary, pursuant to the Certification for Beneficiary Status filed with the Court.
2. Beneficiary requests and directs that the Trustee make the payments described in this application and Attachment A to this Form.
3. This application contains all information and certifications required by Paragraph 5.2 of the Trust Agreement, and the Trustee may rely on this application, Attachment A, and related certifications in making disbursements of trust funds for the aforementioned Project ID.
4. Any vendors were or will be selected in accordance with a jurisdiction's public contracting law as applicable. (5.2.5)
5. Beneficiary will maintain and make publicly available all documentation submitted in

support of this funding request and all records supporting all expenditures of eligible mitigation action funds subject to applicable laws governing the publication of confidential business information and personally identifiable information. (5.2.7.2)

DATED: 1/10/19

  
Name: Julie K. Armitage  
Title: Chief, Bureau of Air

Illinois Environmental Protection Agency

**LEAD AGENCY**

for

**State of Illinois**

**BENEFICIARY**

## ATTACHMENT FOR 5.2.7.2

### **Describe how the Beneficiary will make documentation publicly available (5.2.7.2)**

The public may access documentation and records relative to the State of Illinois' administration of Trust Funds by submitting a request to the Illinois EPA pursuant to the Illinois Freedom of Information Act (5 ILCS 140/1, et. seq.). The Illinois EPA has regulations ("Access to Public Records of the Illinois Environmental Protection Agency," 2 Ill. Adm. Code Part 1828) that provide the framework by which Illinois EPA public records may be requested, accessed, inspected, duplicated, and further lists the records that will not be disclosed to the public, including records that contain personally-identifiable information and confidential business information. Trade secret and confidential business information claims are reviewed by the Illinois EPA in accordance with procedures and rules provided in 35 Ill. Adm. Code Part 130 and 2 Ill. Adm. Code Part 1828.

The Illinois EPA will make certain documentation and records relative to its administrative of Trust Funds available on its Driving a Cleaner Illinois webpage. The Illinois EPA's Beneficiary Mitigation Plan ("BMP") was made available to the public for review and comment, and the final BMP is available through the Illinois EPA's Driving a Cleaner Illinois webpage. The Illinois EPA will make available funding opportunities and related information and documents through this webpage. Further, the Illinois EPA will maintain and make available for public review all documentation submitted in support of funding requests and all records supporting all expenditures of eligible mitigation action funds consistent with the aforementioned laws and regulations.

**ATTACHMENT B**

**Eligible Mitigation Action Management Plan Including Detailed Budget and Implementation and Expenditures  
Timeline (5.2.4)**

**Electric School Bus Replacements**

Pursuant to Section 5.2.4 of the Environmental Mitigation Trust Agreement, the Illinois EPA provides the following Eligible Mitigation Action Management Plan. The milestone dates and yearly budget distributions provided are estimates and are subject to change based on the date of grant agreement execution and other variables.

**Project Implementation Schedule and Milestones**

Project: Cook-Illinois Corp. Electric School Bus Replacement

Project ID: 2018-004

**Period of Performance: April – November 2019**

Milestone	Estimated Date
Illinois EPA provides Notice of Availability of VW Environmental Mitigation Trust Funds	8/29/18
Applicant Submits Proposal to Illinois EPA	10/15/18
Illinois EPA provides a Notice of State Award to Applicant	12/3/18
Trustee Acknowledges Receipt of D-4	1/25/19
Trustee Approves D-4	3/25/19
Illinois EPA enters into Grant Agreement	4/15/19
Applicant enters into Purchase Agreement/Places Order	4/30/19
Delivery of Vehicle(s) from Vendor	7/31/19
New Vehicle(s) put into Service	8/15/19
Existing Vehicle(s) Scrapped	9/15/19
Applicant provides detailed invoices for all claimed project costs and required final project certification documents to Illinois EPA to support direction to Trustee for Payment (Reimbursement, Direct-to-Vendor)	10/15/19
Illinois EPA Completes Review and Certifies Payment Direction to Trustee (Reimbursement)	11/30/19
Trustee Acknowledges Receipt of Direction for Payment(s) (Reimbursement)	12/15/19
Illinois EPA submits Final Report for Project Completion	1/30/20

Project: First-Student, Inc. Electric School Bus Replacement

ID: 2018-005

**Period of Performance: April 2019 – January 2020**

Milestone	Estimated Date
Illinois EPA provides Notice of Availability of VW Environmental Mitigation Trust Funds	8/29/18
Applicant Submits Proposal to Illinois EPA	10/15/18
Illinois EPA provides a Notice of State Award to Applicant	12/3/18
Trustee Acknowledges Receipt of D-4	1/25/19
Trustee Approves D-4	3/25/19
Illinois EPA enters into Grant Agreement	4/15/19
Applicant enters into Purchase Agreement/Places Order	4/30/19
Delivery of Vehicle(s) from Vendor	9/15/19
New Vehicle(s) put into Service	9/30/19

Existing Vehicle(s) Scrapped	10/10/19
Applicant provides detailed invoices for all claimed project costs and required final project certification documents to Illinois EPA to support direction to Trustee for Payment (Reimbursement, Direct-to-Vendor)	11/10/19
Illinois EPA Completes Review and Certifies Payment Direction to Trustee (Reimbursement)	12/31/19
Trustee Acknowledges Receipt of Direction for Payment(s) (Reimbursement)	1/15/20
Illinois EPA submits Final Report for Project Completion	1/30/20

**Project Budget**

Budget Category	Total Approved Budget	Share of Total Budget to be Funded by the Trust	Cost-Share Cook-Illinois Corp.	Cost-Share First Student, Inc.
Equipment Expenditure	\$1,005,748.35	\$754,311.26	\$158,048.75	\$93,388.34
IEPA Administration @2%	\$15,086.23	\$15,086.23		
Project Totals	\$1,020,834.58	\$769,397.49	\$158,048.75	\$93,388.34
Percentage of Equipment Expenditure	100%	75%	15.7%	9.3%

**Projected Trust Allocations**

Illinois' Allocation	\$108,679,676.98
Obligated Awards from Previous D-4 Submittals (Equipment + Administration Costs)	\$0
Illinois' Net Allocation	\$108,679,676.98
Current D-4 Project Funding Request (Project #1 Electric School Bus Replacements)	\$769,397.49
Illinois' Remaining Unobligated Allocation	\$107,910,279.49

Project #1: Anticipated Budget Year Distribution of Project Costs (Equipment + Admin.)	2019 (3 electric school buses)	2020	2021
1. Anticipated Annual Project and Administrative Funding request to be paid through the Trust	\$769,397.49		
2. Anticipated Annual Cost Share	\$251,437.09		
3. Anticipated Total Project Funding by Year	\$1,020,834.58		

## ATTACHMENT C

### Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11) Electric School Bus Replacements

Pursuant to Sections 5.2.11 and 5.3 of the Environmental Mitigation Trust Agreement, the Illinois EPA provides this project implementation reporting plan for the electric school bus replacement projects undertaken by Cook-Illinois Corp. and First Student, Inc. This detailed plan for reporting incorporates applicable State of Illinois grantee reporting requirements as well as Illinois' obligation to comply with the semi-annual reporting requirement contained in Section 5.3 of the Environmental Mitigation Trust Agreement. Grantees, Cook-Illinois Corp. and First Student, Inc., will provide the reports as specified below to the Illinois EPA. Further, the Illinois EPA will provide semi-annual reports to the Volkswagen Trustee as specified below and as required based on the reporting information received from the grantees. The reporting deadlines contained herein are estimates and are subject to change based on the date of grant agreement execution and other variables.

**Grantees:** Cook-Illinois Corp.  
**Project ID:** 2018-004

#### Reports and Reporting Schedule\*

Estimated execution of grant agreements and start of projects:	April 15, 2019
Due date of monthly project report #1 from Grantee to Illinois EPA:	May 15, 2019 (Start – April 30, 2019)
Due date of monthly project report #2 from Grantee to Illinois EPA:	June 15, 2019 (May 1 -May 31, 2019)
Due date of monthly project report #3 from Grantee to Illinois EPA:	July 15, 2019 (June 1 – June 30, 2019)
Due date of semi-annual project report #1 from Illinois EPA to Trustee:	July 30, 2019 (Start - June 30, 2019)
Due date of monthly project report #4 from Grantee to Illinois EPA:	August 15, 2019 (July 1 – July 31, 2019)
Due date of monthly project report #5 from Grantee to Illinois EPA:	September 15, 2019 (August 1 – August 31, 2019)
Due date of monthly project report #6 from Grantee to Illinois EPA:	October 15, 2019 (September 1 – September 30, 2019)
Due date of final project report from Grantee to Illinois EPA:	November 15, 2019
Due date of final project report from Illinois EPA to Trustee:	January 30, 2020

\*Pursuant to State of Illinois grantee reporting requirements, Cook-Illinois Corp. will submit monthly reports to Illinois EPA, whereas First Student, Inc. is required to report quarterly.



**Grantees:** First Student, Inc.  
**Project ID:** 2018-005

### **Reports and Reporting Schedule**

Estimated execution of grant agreements and start of projects:	April 15, 2019
Due date of quarterly project report #1 from Grantee to Illinois EPA:	July 15, 2019 (April-June 2019)
Due date of semi-annual project report #1 from Illinois EPA to Trustee:	July 30, 2019 (Start - June 2019)
Due date of quarterly project report #2 from Grantee to Illinois EPA:	October 15, 2019 (July-September 2019)
Due date of final report from Grantee to Illinois EPA:	December 10, 2019
Due date of quarterly project report #3 from Grantee to Illinois EPA:	January 15, 2020 (October-December 2019)
Due date of final project report from Illinois EPA to Trustee:	January 30, 2020

### **Report Content**

Grantees and Illinois EPA reports will contain, at a minimum, the following information:

1. Summary of all costs expended through the reporting period and to date
2. Project status and development and implementation accomplishments
3. Any project modifications as compared to the original plan
4. Actual or projected project completion or grant termination date

## ATTACHMENT D

### Detailed Cost Estimates from Selected or Potential Vendors for each Proposed Expenditure Exceeding \$25,000 (5.2.6) Electric School Bus Replacements

Pursuant to Section 5.2.6 of the Environmental Mitigation Trust Agreement, Illinois EPA provides the following detailed cost estimates for the electric school bus replacement projects undertaken by Cook-Illinois Corp. and First Student, Inc. Vendor cost estimates are attached.

**Grantee:** Cook-Illinois Corp.  
**Project ID:** 2018-004

Quantity 2 MY 2018 Lion IL 3 electric school buses (@\$315,000 eligible per bus)	\$630,000
Quantity 1 Clipper Creek, Inc. CS-100 Electric Vehicle Charging Unit (charger only)	\$2,195
Total Project Cost:	\$632,195
Total Trust Fund Request @75%:	\$474,146.25
Total Grantee Cost Share @25%:	\$158,048.75

**Grantee:** First Student, Inc.  
**Project ID:** 2018-005

Quantity 1 MY 2019 Thomas Built Saf-T-Liner C2 341TS 72 electric school bus	\$372,654.35
Quantity 1 eMotorWerks JuiceBox Pro 75C charging station	\$899
Total Project Cost:	\$373,553.35
Total Trust Fund Request @75%:	\$280,165.01
Total Grantee Cost Share @25%:	\$93,388.34

#### Total Equipment Costs for Electric School Bus Replacement Projects

Quantity 3 electric school buses	\$1,002,654.35
Quantity 2 electric charging units	\$3,094
Total Project Cost:	\$1,005,748.35
Total Trust Fund Request @75% for 3 buses and 2 charging units:	\$754,311.26
Total Grantee Cost Share @25% for 3 buses and 2 charging units:	\$251,437.09
Illinois EPA 2% Administrative Costs:	\$15,086.23
<b>Total Trust Fund Request for Electric School Bus Replacement Projects</b>	<b>\$769,397.49</b>



# Customer Quotation

Prepared For:

Prepared By :

Thomas Bus/Gray Swaim  
1408 Courtesy Rd  
High Point, NC 27260

FIRST STUDENT - IL

Quote Number:  
348280

Quote Date:  
10/11/2018

Customer Order No:  
FS-EV

## Model Profile: Saf-T-Liner C2 341TS

Product Type:	School Transportation
Year:	
Chassis Model:	B2 106
Chassis MFG:	FLNER
GVWR:	GVWR
Passenger Capacity:	72
Headroom:	78
Wheelbase:	279
Brake Type:	AIR
Engine Type:	EDI PowerDrive 7000
Fuel Type:	Electric
Fuel Tank Capacity:	NA
Transmission Type:	AUTOMATIC
Axle, Front:	10000-lb Capacity
Axle, Rear:	23000-lb Capacity
Tires, Front:	FRONT BRIDGESTONE ECOPIA R268 11R22.5 14 PLY TIRES
Tires, Rear:	REAR BRIDGESTONE M770 11R22.5 14 PLY TIRES
Suspension Front:	[FRONT SUSPENSION]
Suspension Rear :	[REAR SUSPENSION]

Total for 1 complete unit(s):  
Delivery Cost:

\$ 372,654.35  
Quote Available Upon Request

Meets all FMVSS requirements in effect at the time of manufacture.

Meets all IL requirements in effect at the time of manufacture.

Customer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Dealer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Attached Detail

### Includes the Following Equipment:

- Charge port is located on right-hand side rear of bus chassis



**eMotorWerks**  
SMART [GRID] ENERGY

**Item:** JuiceBox Pro 75C - commercial charging station - high power, fully ruggedized, and WiFi-equipped EVSE.

**Price per unit:** \$899.00

#### Specifications

**Output Power:** 75A, 18kW

**Input Voltage:** 100-250 VAC, single phase

**Input:** 4 FT pigtail; outdoor rated 6 AWG cable; ready for hardwire

**Output Cable:** 24 FT standard length, 20 FT extension cables available  
SAE J1772 standard plug

**Dimensions:** 10 x 6 x 3.5 inches (H, W, D - main enclosure)

**Shipping Dimensions:** 16 x 16 x 8 inches (H, W, D - dual walled box)

**Weight:** ~20lbs fully equipped (with cables)

**Certifications:** CE, NEMA, and SAE compliant

**Warranty:** 3 year extended manufacturer's warranty for commercial usage

#### Features

- **High Power:** It is the only charging station on the market that can max out the charging rate of Tesla cars (Model S or X) with dual onboard chargers.
- **Authorized user support:** Configure your EVSE fleet for usage only by permitted users; to charge only at specified times, and to balance charging loads to targeted maximum levels. Contact our sales team about this JuiceNet Enterprise software subscription.
- **Billing / Metering data:** All charging data (on a time or per session basis) available to manager for billing and monitoring purposes. Access data via web portal, mobile portal, data export. Contact our sales team to include this option.
- **Future-Proof your Site:** Automatic load balancing ensures that you can add new charging stations in the future on existing electrical circuits, thus future proofing your site.
- **Industrial-strength design :** JuiceBox uses solid metal casings and robust cables and plugs, making it durable and reliable.
- **Advanced energy management support:** Optional JuiceNet API control lets you coordinate with onsite renewables, stationary storage systems, and building energy management solutions to

keep energy costs in check by minimizing unwanted demand peaks and reducing utility demand charges:

- **Grid Services:** Contact our sales team to learn about smart-grid market programs in which utilities and grid operators pay you for charging at the right time.
- **Emissions Optimized:** Optional JuiceNet Green feature minimizes the greenhouse gas emissions of charging an electric vehicle.
- **Smartphone Control for Drivers:** Control time of charge and monitor instantaneous power, amperage and more. Set up automatic notifications, e.g. start and end of charge, unit offline, unit back online, full charge by certain time.
- **Easy Access:** Get access to your real-time and historical charging data on our website or through easy-to-use smartphone apps - Android or iOS.
- **Hard-wired Installation:** Note that to utilize the full 75-amp power capabilities of a JuiceBox Pro 75C requires a dedicated 100 amp circuit and a hard-wired installation.
- **Indoor and Outdoor Rated.**
- **Made in the USA:** From domestic and imported parts.

**eMotorWerks**  
An Enel Group Company

Solutions Rewards About Resources Contact

### JuiceBox® Pro 75

Smart 75-Amp EV Charging Station (Level 2 EVSE) with 24-foot cable and input Whip for Hardwire Installation

- WiFi connectivity
- High charging speed: 2.5A / 7.5kW
- Best-in-class smartphone connectivity

Security/Unlocking:  JuiceNet Green:

\$899.00

Available on Amazon and Ecobasis



# QUOTE

Quote No. **BENISH\_0809\_2018**  
 Date **8/9/2018**

Customer Name JOHN BENISH JR  
 Company COOK ILLINOIS CORPORATION  
 Address 2100 CLEARWATER DRIVE  
 City OAK BROOK  
 State IL  
 ZIP 60523  
 Phone 708-560-9840  
 Email \_\_\_\_\_

**Quote prepared by:**  
 Name Tony Watkins  
 Company The Lion Electric Co.  
 Phone 804-536-3338  
 Email tony.watkins@thelionelectric.com

Model	Range	Unit Price	Quantity	Total	
<b>LION C</b>	IL_3	125 mi. \$	365,000.00	1	\$ 365,000.00
Capacity / Pass	71 Pass				
Options - Sub-Total (See Page 2)		\$		\$	
Shipping estimates		\$	5,000.00	\$	5,000.00
Early Adopters Bundle Program		\$	(50,000.00)	\$	(50,000.00)
<b>TOTAL</b>		\$	<b>320,000.00</b>	<b>1</b>	\$ <b>320,000.00</b>

Blue Wheels & Bumpers included

Requested Delivery Date

Customer Signature Indicating Acceptance of Quote: \_\_\_\_\_

Date: \_\_\_\_\_

\$2000.00 Deposit to secure LionC electric bus and name on side of bus at the NAPT show in KC.

# CLIPPERCREEK, INC.

INNOVATIVE INFRASTRUCTURE FOR  
ELECTRIC AND HYBRID VEHICLES



11850 Kemper Road Suite #E • Auburn, CA 95603 • (530) 887-1674 • Fax (530) 887-8527

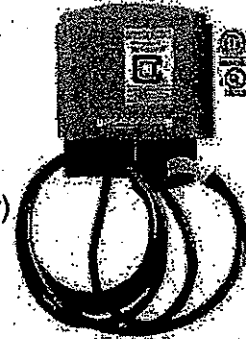
www.clippercreek.net

ClipperCreek, Inc.  
Quote For Cook-Illinois Corp  
Tony Benish  
October 11, 2018

Quantity	Description	Price ea.
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2	CS-100	\$2,195 ea
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Charging Current: 80A charging  
Vehicle Connector Type: J1772 connector (Lockable)  
Supply Power: 208/240V, 100A dedicated circuit  
Cable Length: 25 Feet  
Warranty: 1 Year  
Certifications: UL, cUL, ETL, cETL  
Enclosure: NEMA 4; indoor/outdoor rated, fully sealed  
Dimensions: 21"H x 17"W x 12"D (mounting holes 16" on center)  
Installation: Hardwired  
Part # 0223-00-007



2	Optional CS Pedestal	\$700 ea
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Traditional 4 foot kit, single mount, CS and TS  
Includes 3/4" conduit assembly  
Warranty: 1 year  
Part # 0300-00-015

**The CS100 80 amp charging station is capable of providing 16.6kW per hour at 208VAC and 19.2kw per hour at 240VAC.**

**Total Goods cost for two chargers and two pedestals: \$5,790**

**Add Estimated shipping: \$150**

Stuart Irwin, ClipperCreek  
Mid-West Sales Representative

Stuart@clippercreek.net, Ph. 248.408.4162

Cook-Illinois ClipperCreek CS100 Ped quote 11Oct2018