



# CITY OF CLEAR LAKE

15 North 6th Street • P.O. Box 185 • Clear Lake, IA 50428  
Phone (641) 357-5267 • Fax (641) 357-8711  
[www.cityofclearlake.com](http://www.cityofclearlake.com)

Mayor  
NELSON P.  
CRABB

January 1, 2015

City  
Administrator  
SCOTT  
FLORY

HONORABLE MAYOR & CITY COUNCIL MEMBERS:

The next meeting of the Clear Lake City Council is scheduled for Monday, **January 5, 2014**, at 6:30 p.m., in the Council Chambers, at the Clear Lake City Hall. Please refer to the enclosed agenda for the items discussed below.

## COUNCIL MEMBERS

DANA  
BRANT  
Ward 1

ITEM #6B. **Loader-Mounted Rotary Snow Blower**. As part of the 2015 fiscal year budget, the Council allocated \$160,000 for the purchase of a new front-end loader-mounted rotary snow blower for the Public Works department. The funding would come from Road Use Tax revenues. The proposed new unit would be utilized on either the City's 2009 CAT 938H or the 2004 Case 721D.

TONY J.  
NELSON  
Ward 2

The City's newest front-end loader-mounted rotary snow blower, which was purchased in 2001, is a SnoGo MP3D, with approximately 527 hours on it, and is used primarily on the City's Case 721D front-end loader. The City currently relies on a 1979 IHC loader, with a 1961 and a 1973 SnoGo rotary snow blower head(s) as back-up. The back-up unit does require substantial maintenance and parts are becoming more difficult to locate. Additionally, newer units, of course, are more easily operated (reducing operator time) and are more environmentally friendly, as well as fuel efficient.

JIM  
BOEHNKE  
Ward 3

MIKE  
CALLANAN  
At Large

GARY  
HUGI  
At Large

The proposed Request for Proposals (RFP) authorizes bids to be solicited and received by the City. Bid proposals are due to the Public Works Director on January 13, 2015. Council consideration of the bid proposals would take place at the January 19, 2015, City Council meeting. Anticipated delivery would be within 120 days.

**Smart Quote: "Sometimes by losing a battle you find a new way to win the war." -- Donald Trump, American businessman**

Scott Flory  
City Administrator



PUBLIC NOTICE IS HEREBY GIVEN that the following governmental body will meet at the date, time, and place herein set out. The tentative agenda for said meeting is as follows:

TENTATIVE AGENDA  
CLEAR LAKE CITY COUNCIL  
CITY HALL – 15 N. 6<sup>TH</sup> STREET  
MONDAY, JANUARY 5, 2015  
**6:30 P.M.**

1. Call To Order by Mayor Nelson P. Crabb.
2. Approval of Agenda.
3. Consent Agenda:
  - A. Minutes – December 15 & 29, 2014
  - B. Approval of the bills & claims.
  - C. Licenses & Permits:
    - Liquor License: Class C Beer Permit (BC) and Class B Wine Permit with Sunday Sales, Dollar General Store, (renewal).
4. Citizen's opportunity to address the Council on items not on the agenda:
  - In conformance with the City Council's Rules of Procedure, no action can occur on items presented during the Citizens Forum.
  - Please walk to the lectern, state your name (spell last name), address, and subject of your discussion.
  - Speakers are limited to a maximum of five (5) minutes per person.
5. Unfinished Business:
6. New Business:
  - A. 2015 Sanitary Sewer Rehabilitation Project:
    - Project update and review of preliminary plans, opinion of cost, & work schedule, Jason Petersburg, P.E., Veenstra & Kimm.
    - Discussion by City Council.
  - B. Authorization to issue RFP for a front-end loader mounted commercial rotary snow blower:
    - Review of request, Joe Weigel, Public Works Director.
    - **Motion** to approve and authorize the issuance of an RFP by City Council.
    - Discussion and consideration of **Motion** by City Council.

C. 12<sup>th</sup> Avenue S. Street Resurfacing Project:

- Project update and review of Pay Estimate #2, Scott Flory, Joe Weigel, Public Works Director.
- **Motion** to approve Pay Estimate #2 by City Council.
- Discussion and consideration of **Motion** by City Council.

7. Chief of Police's Report:

8. Mayor's Report:

9. Public Works Director's Report:

10. City Administrator's Report:

- City Hall/Police Dept. Renovation Project.
- 1/1/2014 property valuation report

11. City Attorney's Report:

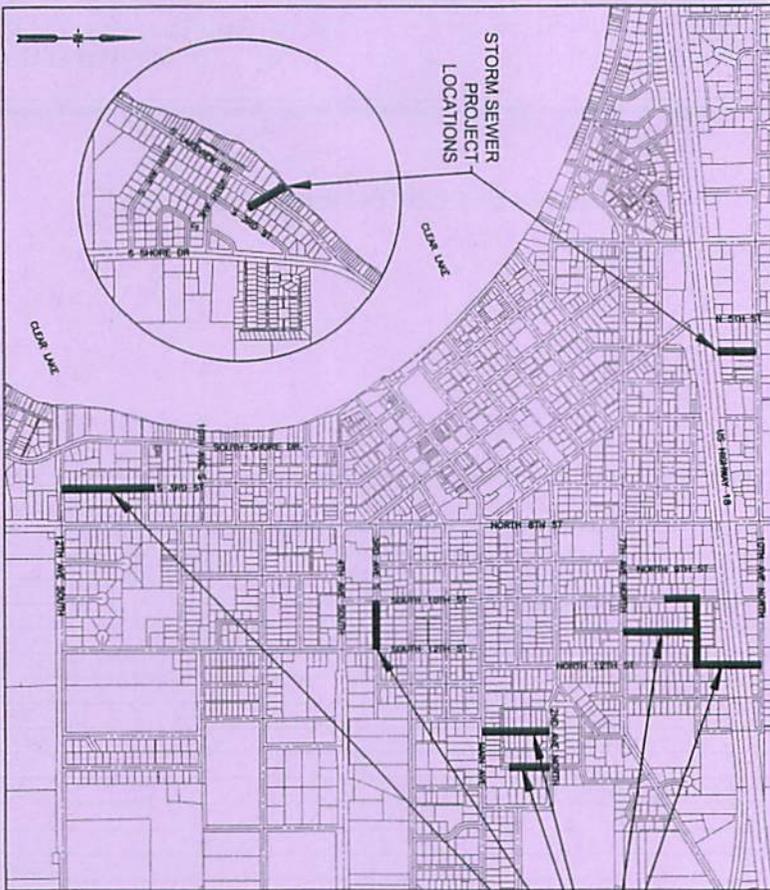
12. Other Business:

13. Adjournment.

NEXT REGULAR MEETING – JANUARY 19, 2015

This notice is given pursuant to Chapter 21.4(1) of the Code of Iowa and the local rules of said governmental body.

# PLANS FOR 2015 SEWER REHABILITATION PROJECT CITY OF CLEAR LAKE, IOWA



VICINITY MAP  
NOT TO SCALE

DATE	REVISIONS	BY	DATE

**VEENSTRA & KIMM, INC.**

2015 SEWER REHABILITATION PROJECT  
CLEAR LAKE, IOWA

2800 Fourth Street SW • Suite # • Ames IA 50010-1196  
515-281-4000 • 515-280-0313 FAX • 515-281-4000 FAX



THE VEENSTRA & KIMM PROJECT SPECIFIC CONSTRUCTION SPECIFICATIONS MANUAL SHALL APPLY TO THIS PROJECT.

Sheet Number	Sheet Title
A.01	Cover
A.02	General Notes
A.03	Sanitary Sewer Overview Map
A.04	Storm Sewer Overview Map
A.05	Structure Photos
A.06	Structure Photos
C.01	Pipe Rehabilitation
C.02	Structure Rehabilitation
D.01	Sanitary Sewer - Priority 1
D.02	Sanitary Sewer - Priority 2
D.03	Sanitary Sewer - Priority 2
D.04	Sanitary Sewer - Priority 2
D.05	Sanitary Sewer - Priority 3
D.06	Sanitary Sewer - Priority 4
D.07	Sanitary Sewer - Priority 5
D.08	Sanitary Sewer - Priority 5
D.09	Sanitary Sewer - Priority 6
D.10	Sanitary Sewer - Priority 7

Sheet Number	Sheet Title
D.11	Sanitary Sewer - Priority 8
D.12	Sanitary Sewer - Priority 8
D.13	South Storm Sewer - 12 inch
D.14	North Storm Sewer - 24 inch
U.01	Standard Drawings & Details
U.02	Standard Drawings & Details
U.03	Standard Drawings & Details
U.04	Standard Drawings & Details
U.05	Standard Drawings & Details
U.06	Standard Drawings & Details
U.07	Standard Drawings & Details
U.08	Standard Drawings & Details
U.09	Standard Drawings & Details
U.10	Standard Drawings & Details
U.11	Standard Drawings & Details
U.12	Standard Drawings & Details
U.13	Standard Drawings & Details
U.14	Standard Drawings & Details

**PRELIMINARY**

I HEREBY CERTIFY THAT THE ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

DATE: 12/21/2014



**IOWA ONE CALL**

1-800-292-6999

www.iowaonecall.com

COVER

DWG. NO. A.01



# VEENSTRA & KIMM, INC.

2800 Fourth Street SW, Suite 9 • Mason City, Iowa 50401-1596  
641-421-8008 • 641-380-0313(FAX) • 877-241-8008(WATS)

## ENGINEER'S OPINION OF PROBABLE COST

Project: **2015 SEWER REHABILITATION PROJECT**  
 Owner: CITY OF CLEAR LAKE  
 Location: CLEAR LAKE, IOWA

Job No.: 383137  
 Date: 12/30/2014  
 Revised: \_\_\_\_\_  
 Quantities By: CALLEN  
 Estimated By: CALLEN  
 Reviewed By: JAP

Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Price
1	Mobilization	LS	1	XXXX	\$10,000
2	Traffic Control	LS	1	XXXX	\$3,500
3	Pavement Removal	SY	231	\$12.00	\$2,773
4	Sewer Flow Control	LS	1	XXXX	\$5,000
5	Sewer Main Cleaning				
5a	8" Pipe	LF	4531	\$1.00	\$4,531
5b	12" Pipe	LF	398	\$1.00	\$398
5c	24" Pipe	LF	359	\$1.50	\$539
6	Sewer Main Root Cutting (assumed quantity)	LF	1000	\$0.75	\$750
7	Sewer Main Reaming	LF	345	\$10.00	\$3,450
8	Television Inspection - Pre Rehabilitation Lining Work	LF	5288	\$0.75	\$3,966
9	Sewer Main Pipe Lining				
9a	8" Pipe	LF	4531	\$24.00	\$108,744
9b	12" Pipe	LF	398	\$40.00	\$15,920
9c	24" Pipe	LF	359	\$95.00	\$34,105
10	Service Connection Reinstatement	EA	105	\$125.00	\$13,125
11	Television Inspection - Post Rehabilitation Lining Work	LF	5288	\$1.00	\$5,288
12	Sewer Main Point Repair				
12a	Pipe Point Repair	EA	1	\$3,000.00	\$3,000
12b	8" Pipe	LF	13	\$60.00	\$780
13	Sanitary Sewer Wye	EA	2	\$945.00	\$1,890
14	Sanitary Sewer Service Pipe	LF	10	\$105.00	\$1,050
15	Cut Protruding Service Connection / Tap	EA	1	\$200.00	\$200
16	Remove & Replace Sanitary Manhole	EA	4	\$5,000.00	\$20,000
17	Sprayed on Liner - Manhole	VF	122	\$240.00	\$29,280
18	Remove & Replace Casting & Adjusting Rings; Install New Internal Chimney Seal	EA	3	\$1,600.00	\$4,800
19	Invert Repair - Sanitary Manhole	EA	3	\$1,000.00	\$3,000
20	Granular Backfill Material (assumed quantity)	TON	100	\$26.50	\$2,650
21	Aggregate Base Course - 6"	TON	90	\$18.00	\$1,620
22	Temporary Aggregate Surfacing	TON	90	\$20.00	\$1,800
23	Full Depth HMA Patch - 6"	SY	231	\$60.00	\$13,866
24	New Manhole Testing	LS	1	XXXX	\$1,000
25	Earthwork & Pavement Testing	LS	1	XXXX	\$1,000
<b>Total Engineer's Opinion of Probable Cost</b>					<b>\$298,025</b>



**VEENSTRA & KIMM, INC.**  
2800 Fourth Street SW, Suite 9 • Mason City, Iowa 50401-1596  
641-421-8008 • 641-380-0313(FAX) • 877-241-8008(WATS)

By: Jason Petersburg, P.E.  
Updated: December 30, 2014  
Project No. 383137

**Project Schedule**  
**2015 Sewer Rehabilitation Project**  
**City of Clear Lake**

<u>Task</u>	<u>By</u>	<u>Date</u>
<b>Design</b>		
Authorization to Proceed with Engineering Services	City	July 9, 2014
Prepare Preliminary Plans	V&K	By October 31, 2014
Review Project Scope and Preliminary Plans with City Staff	V&K / City	November 4, 2014
Prepare Final Plans and Engineer's Opinion of Probable Cost	V&K	By December 30, 2014
Review Plans, Engineer's Opinion of Probable Cost, and Proposed Schedule With Council	V&K / City	January 5, 2015
<b>Bidding</b>		
Prepare Final Plans, Specifications, Bidding & Contract Documents	V&K	By January 14, 2015
Set Date for Public Hearing on Plans, Specifications, Form of Contract, & Estimate of Cost	City	January 19, 2015
Publish Notice of Public Hearing & Letting	City	January 28, 2015
Bid Letting	City / V&K	February 11, 2015
Public Hearing on Plans, Specifications, Form of Contract, and Estimate of Cost	City	February 16, 2015
Contract Award	City	February 16, 2015
<b>Construction</b>		
Approve Contract & Bond	City	March 2, 2015
Construction	Contractor	April 6 – June 26, 2015

Approximately 7 weeks of actual construction work to be completed. However, Lining Contractors currently have a 5 – 6 month backlog. As such, construction timeline extended to provide adequate time for lining contractors to schedule this project into their workload which should result in more favorable bids.

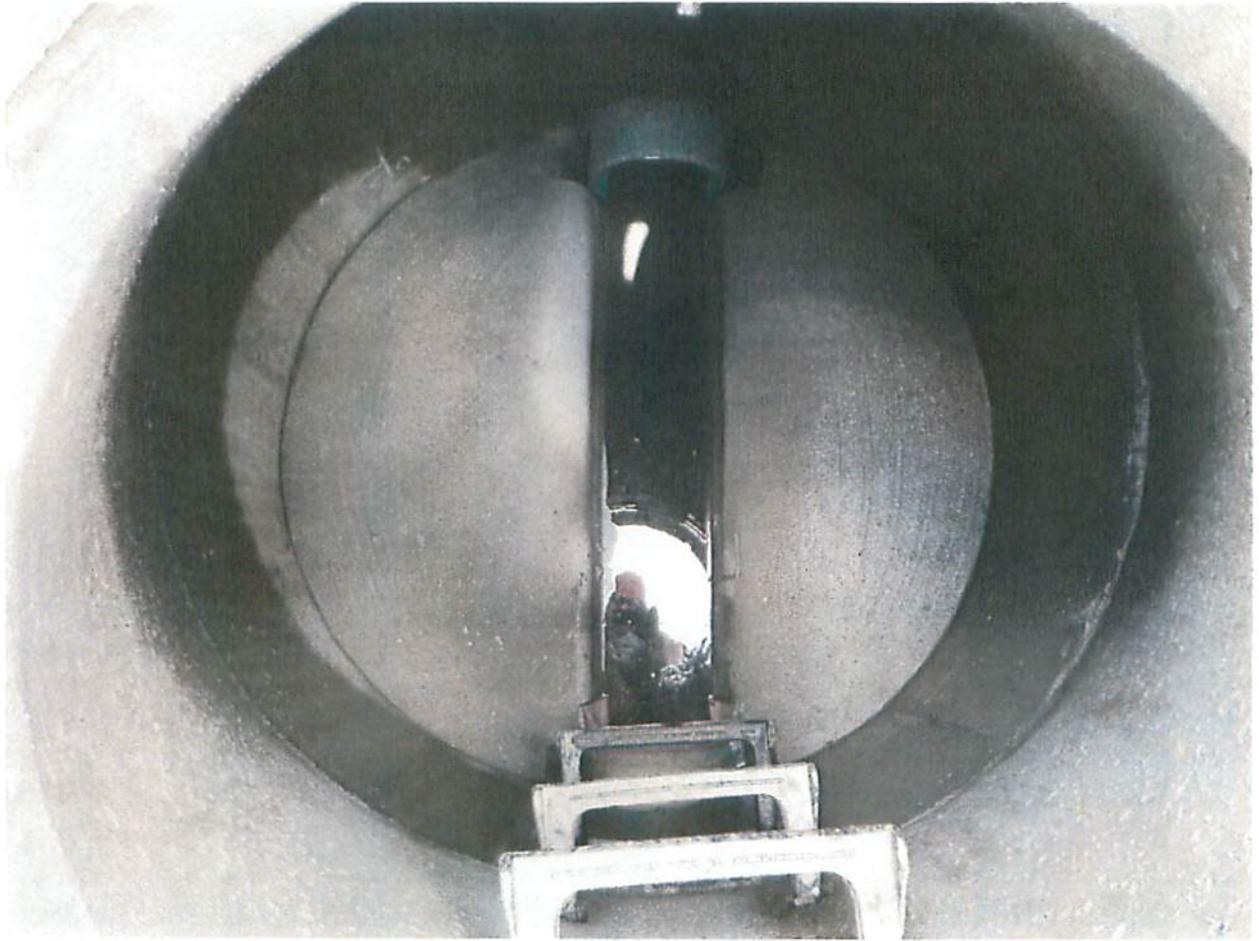


Existing Brick Sewer Manhole

**EXAMPLE**

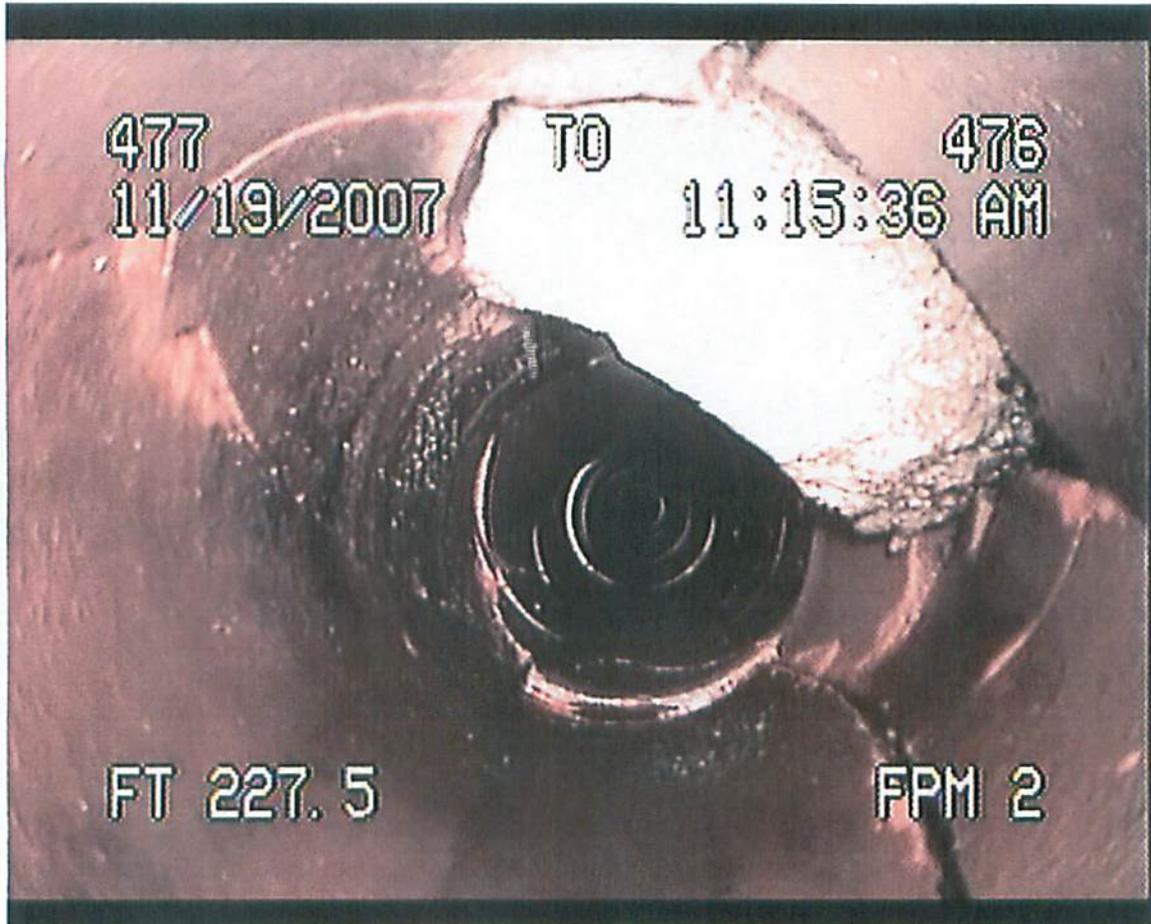


Spray-On Lining of Existing Brick Manhole



New Pre-cast Manhole

**EXAMPLE**



Pre - Lining

**EXAMPLE**

City of Clear Lake 2011 Sanitary Sewer Rehabilitation Project



Post-Lining

**EXAMPLE**

City of Clear Lake 2011 Sanitary Sewer Rehabilitation Project

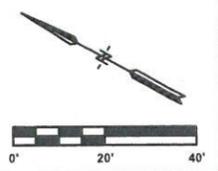
Distance	Fault Observation	Time	Picture
122.1	<p>Man. " Y " Right Position: 3 Severity: None</p> <p><i>Abandoned Sewer Service See Exc. Report 05-96 * Do Not Reinstall after lining</i></p>	09:33	
183.1	<p>Man. " Y " Right Position: 3 Severity: Moderate Remarks: Cracks in service</p>	12:14	
190.6	<p>Man. " Y " Left Position: 9 Severity: None</p>	13:03	



- NOTES:**
1. ALL SERVICE LOCATIONS ARE ASSUMED LOCATIONS BASED UPON TELEVISIONING REPORTS. FIELD VERIFY ALL SERVICE LOCATIONS.
  2. VERIFY IF SERVICE IS ACTIVE. IF NOT ACTIVE, ABANDON SERVICE IN PLACE.

THE LOCATION OF UNDERGROUND FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND ARE SHOWN FOR THE CONTRACTOR'S GENERAL INFORMATION. THE ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR SHOWING ALL UTILITIES IN THE PLANS. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITIES OF HIS WORK SCHEDULE AND USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES.

SEWER LINING LEGEND	
	SEWER TO BE LINED AND INCLUDED IN PROJECT
	SERVICE TO BE REINSTATED
	SERVICE TO BE ABANDONED
	EXISTING SEWER SYSTEM FOR REFERENCE



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	CALLEN
		CHECKED	###
		APPROVED	###
		DATE	12/30/2014
		ISSUED FOR	

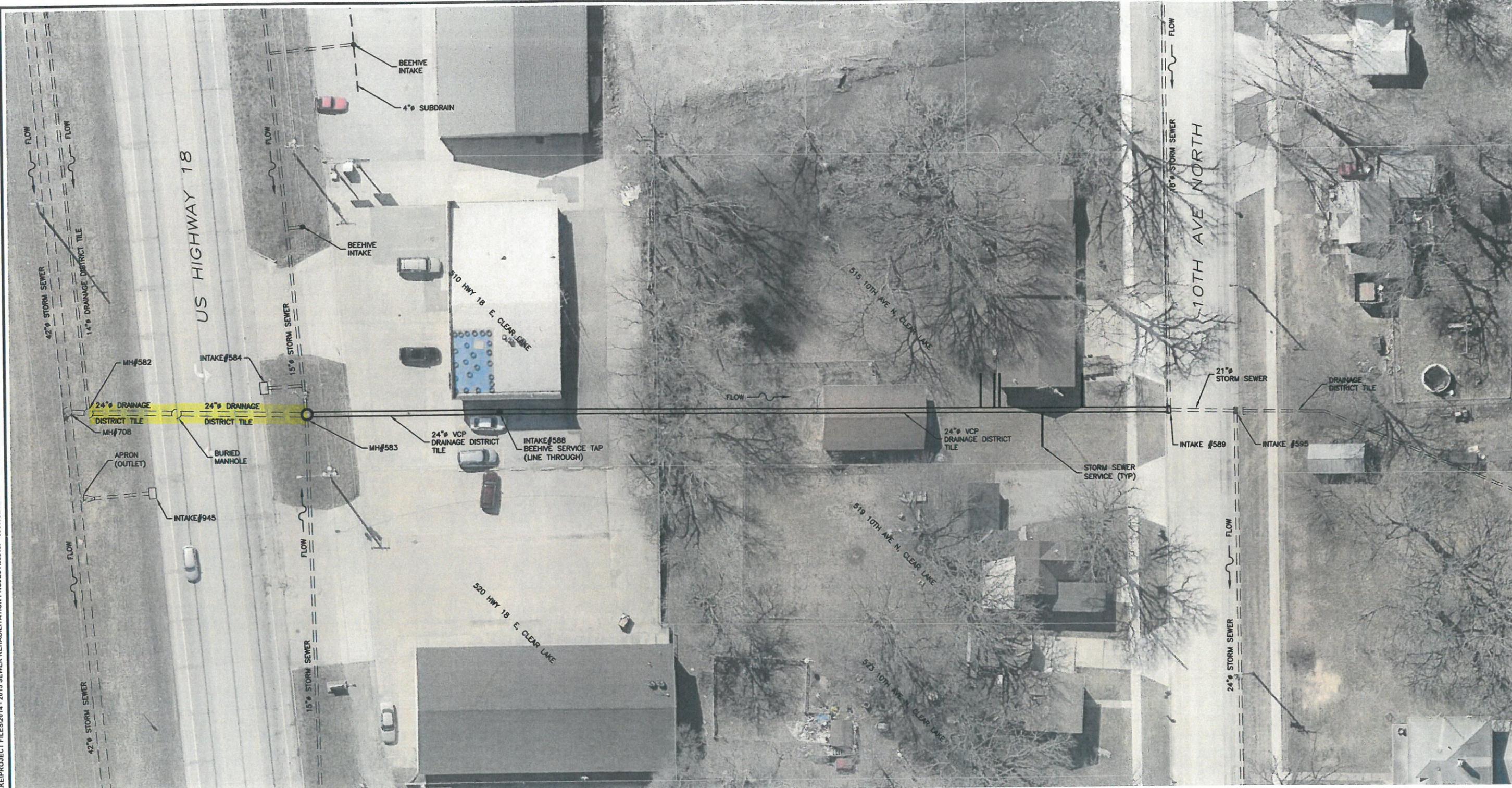
VERIFY SCALE  
 BAR IS ONE INCH ON ORIGINAL DRAWING.  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



2015 SEWER REHABILITATION PROJECT  
 CLEAR LAKE, IOWA

2800 Fourth Street SW • Suite 9 • Mason City, Iowa 50401-1596  
 641-421-8008 • 641-380-0313(FAX) • 877-241-8008(WATS)

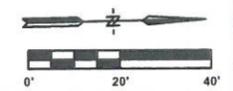
SOUTH STORM SEWER - 12 INCH		DWG. NO.
		D.13
PROJECT		383-137



- NOTES:**
1. ALL SERVICE LOCATIONS ARE ASSUMED LOCATIONS BASED UPON TELEVISIONING REPORTS. FIELD VERIFY ALL SERVICE LOCATIONS.
  2. VERIFY IF SERVICE IS ACTIVE. IF NOT ACTIVE, ABANDON SERVICE IN PLACE.

THE LOCATION OF UNDERGROUND FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND ARE SHOWN FOR THE CONTRACTOR'S GENERAL INFORMATION. THE ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR SHOWING ALL UTILITIES IN THE PLANS. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITIES OF HIS WORK SCHEDULE AND USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES.

SEWER LINING LEGEND	
	SEWER TO BE LINED AND INCLUDED IN PROJECT
	SERVICE TO BE REINSTATED
	SERVICE TO BE ABANDONED
	EXISTING SEWER SYSTEM FOR REFERENCE



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	CALLEN
		CHECKED	###
		APPROVED	###
		DATE	12/30/2014
		ISSUED FOR	

VERIFY SCALE  
 BAR IS ONE INCH ON ORIGINAL DRAWING.  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



2015 SEWER REHABILITATION PROJECT  
 CLEAR LAKE, IOWA

2800 Fourth Street SW • Suite 9 • Mason City, Iowa 50401-1596  
 641-421-8008 • 641-380-0313(FAX) • 877-241-8008(WATS)

NORTH STORM SEWER - 24 INCH

DWG. NO.	D.14
PROJECT	383-137



"Where People Make the Difference"

# CITY OF CLEAR LAKE

15 North 6th Street • P.O. Box 185 • Clear Lake, IA 50428  
Phone (641) 357-5267 • Fax (641) 357-8711  
www.cityofclearlake.com

Date: December 31, 2014

Mayor  
NELSON P.  
CRABB

To: Potential Bidders  
From: Scott Flory, City Administrator  
CC: Joe Weigel, Public Works Director  
Re: Request for sealed bid proposal for Rotary Snow Blower Loader – Mounted

City  
Administrator  
SCOTT  
FLORY

To Whom It May Concern:

COUNCIL  
MEMBERS

This is to advise you that the City of Clear Lake will be accepting sealed bid proposals for the purchase of a **Rotary Snow Blower Loader -Mounted**. Only new 2015 or 2016 models shall be quoted. Sealed bids will be received at the Public Works Department, 1419 2<sup>nd</sup> Avenue South, Clear Lake, IA 50428, until 4:00 p.m., Tuesday, January 13, 2015. It is expected that the Council will consider the bids and make an award at its January 19, 2015 meeting.

DANA  
BRANT  
Ward 1

Bid specifications are enclosed for your consideration. Bid proposals should be clearly marked as "**Snow Blower Bid**", along with the "Dealer Name", and addressed to Joe Weigel, Public Works Director. All bids must be valid for a period of not less than forty-five (45) days from the date submitted.

TONY J.  
NELSON  
Ward 2

The City of Clear Lake may choose to trade-in a 1979 IHC (model 1824) with a 1973 Snogo Blower, and 1961 Snogo blower head, which can be viewed at City's Public Works Department, at the aforementioned address. The trade-ins shall be valued as-is. The City will not assume responsibility for normal wear or deterioration of the 1979 single axle truck chassis with 1973 Snogo blower, but will continue normal lubrications and minor maintenance. The City reserves the right to sell or dispose of any trade-in up to and until the date of delivery of the new Rotary Snow Blower.

JIM  
BOEHNKE  
Ward 3

MIKE  
CALLANAN  
At Large

Please quote an outright purchase price, as well as a trade allowance for each piece of equipment. A price schedule sheet is enclosed. Bidder quotation shall include the description of the items to be provided to meet or exceed the minimum requirements. Any deviations or exceptions must be clearly detailed on the attached sheet labeled "Exceptions to Bid Specifications Sheet B" or bid may be disqualified. Should you have any questions or need additional information, you may contact Mr. Dave Whitehurst at 641-357-6135.

GARY  
HUGI  
At Large

Delivery shall be made to the City of Clear Lake Public Works Department within one hundred twenty (120) days of acceptance of the bid by the City of Clear Lake. The City of Clear Lake reserves the right to reject any and all bids and to waive any irregularities of informalities in any bid received and to accept the bid it deems in the best interest of the City of Clear Lake. **AWARD** – Award in part or in whole will be made to the bidder whose proposal provides the greatest value to the City from the standpoint of suitability to purpose, quality, service, previous experience, price, and ability to deliver, or for any other reason deemed by the City Council to be in the best interests of the City of Clear Lake. Thus the result will not be determined by price alone. The City will be seeking the least costly outcome that meets the City's needs, as determined by the City Council.

On behalf of the City of Clear Lake, I appreciate your time and effort in responding to our request for a bid proposal.



Price Schedule

Rotary Snow Blower

Rotary Snow Blower

Net Price \$ \_\_\_\_\_

Discount \$ \_\_\_\_\_

Less Trade: 1979 IHC with 1973 Snogo Assembly

\$ \_\_\_\_\_

1961 Snogo Assembly

\$ \_\_\_\_\_

Extended Warranty (If available)

\$ \_\_\_\_\_

Total Net Price:

\$ \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Signature: \_\_\_\_\_

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

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

Please provide detailed literature for the Rotary Snow Blower.

Please list and provide detailed literature of any standard and extended warranties.

## SPECIFICATIONS

### 1. DIMENSIONAL DATA

A. Cutting width	100 inches
B. Cutting height	48 inches
C. Height to top of cutter bars	78 inches
D. Height to top engine (approx.)	70 inches
E. Height to top of chute (retracted) (tip down)	130 inches
F. Height to top of chute (extended) (tip up)	146 inches
G. Center of gravity from back frame	38 inches
H. Front to back dimension	80 inches

### 2. GENERAL DATA

- A. Snow removal capacity: 1500-1800 tons per hour, min. (dependent on snow density)
- B. Snow casting distance: 175 feet (dependent on snow density)
- C. Weight of complete unit: 8500 pounds (approximate) with loading chute, less hitch
- D. Completely self-contained.
- E. Two-stage design.

### 3. COMPONENTS

#### A. Augers:

- Three (3) 14-inch diameter – full flight
- Top and center auger – 7/32-inch wall tubing- ¼-inch thick flighting – 3.50 OD tube
- Bottom auger – 7/16-inch wall tubing – 5/16-inch thick flighting – 3.50 OD tube with center reinforcement for additional rigidity.
- All augers supported by ball bearings

#### B. Auger Drive:

- Shear pin protected – two (2) shear bolts required
- 1.750-inch diameter alloy shaft

#### C. Flexible Coupling:

- Shock load protection

#### D. Chain Idler:

- Complete adjustable chain idler for proper tension of auger drive chain.

#### E. Gear Case:

- Cast iron housing – machined to tolerance
- All shafts and gears specially designed of alloy steel
- Fan shaft – 2.5-inch diameter
- Input shaft – 1.625-inch diameter
- Output shaft – 1.750-inch diameter

#### F. Impeller and Associated Parts:

- Heavy-duty steel impeller weldment – 38-inch diameter
- Six (6) alloy steel replaceable fan blades (T-1)
- Heavy steel fan housing – 3/16-inch hot rolled steel plate
- Fan housing throat size – 14-inch depth
- Fan housing rotates through arc of 130 degrees – controlled from cab

- Snow stream can be directed to either side of blower unit without going through loading chute.
  - Impeller shear pin protected – two (2) shear pins required
- G. Rotary Frame:
- Constructed from hot rolled steel plate and structural tubing
  - Welded construction
  - Back plate – 10-gauge hot rolled steel
  - Side plates constructed of 1/4-inch steel plate
  - Support members of heavy steel channel and angle
  - Rear frame easily adaptable to various types of hitches for mounting on end loaders
  - Back frame constructed of 4 x 4 x 1/4 wall steel tubing and 3/8" thick plate, for adaptation to a bolt-on coupler plate for various hitches for mounting to wheel loader
  - High carbon steel replaceable scraper blade
  - Wear plates and wear shoes made from alloy steel:
    - Two (2) end wear shoes
    - Two (2) center wear plates – adjustable
    - Two (2) rear wear plates – adjustable
    - 346 square inches of wear surface
  - Snow deflector over top auger
- H. Logan Clutch (Power Take Off) (No adjustment required):
- Double plate
  - 11.5-inch
  - Clutch shaft – 2.5-inch diameter
  - Controlled from instrument panel in cab of carrier
- I. Transmission and Associated Parts:
- Chain transmission – HYVO chain running in oil bath
  - Horsepower rated universal joints
  - Right angle gear box with 1.750-inch diameter shafts
- J. Engine and Associated Parts: (meets Tier III Emissions Standards)
- Caterpillar Model C-9 – 275 HP T.A. @ 2200 RPM  
 Cubic inch displacement: 537 cu. in./ rev.  
 Torque: 903 lb. ft. @ 1400 RPM.
- Weatherproof engine enclosure with removable roller doors for easy access
  - Hinged hood to access top of engine
  - Dry type air cleaner with air restriction indicator
  - Electronic control
  - Low oil and high coolant temperature automatic shutdown system
  - Grid heater
  - Block heater (CAT 1500 watt)
  - Residential muffler
- K. Shafts, Gears, Sprockets, and Bearings:
- Shafts – alloy steel – heat treated – ground
  - Gears – alloy steel – heat treated – bore ground
  - Bearings – all shafts and rotating parts journaled in oversize ball or roller bearings

L. Electrical System:

- 12-volt starting
- Negative ground
- Two (2) 12-volt 750 CCA @ heavy-duty batteries
- 115 AMP alternator (CAT)
- All wiring in special low temperature loom or cable
- Circuit breaker protection
- Quick disconnect provided at instrument panel
- Lockable battery disconnect switch

M. Hydraulic System

- 6-gallon hydraulic reservoir
- Full flow filtration
- Gear type hydraulic pump – engine mounted – no belts
- All hydraulic cylinders double acting
- System designed to operate at temperatures of minus 40 degrees

N. Fuel System:

- 46 gallon fuel tank (CAT)
- Electro-Mechanical fuel gauge mounted on fuel tank
- Fuel filter

O. Instrumentation:

- Instrument panel mounted in cab of carrier
  - Tachometer
  - Oil pressure gauge
  - Water temperature gauge
  - Voltmeter
  - Key starter switch
  - Impeller housing rotation control switch
  - Turret loader control switches
  - Clutch control switch
  - Throttle control
  - Fuel gauge
  - Diagnostic display gauge with hourmeter

## **HYDRAULIC TURRET LOADING AND CASTING CHUTE**

### **1. THREE SECTION DESIGN:**

A. First Section:

- 3/16 hot rolled steel plate
- Welded construction
- Cast steel drive ring with alloy steel guide plate
- 14-5/8-inches inside width

B. Second Section

- 12 gauge hot rolled steel sheet
- Welded construction
- 15-3/4-inches inside width

C. Third Section

- 12 gauge hot rolled steel sheet
- Welded construction
- 17-inches inside width

D. All sections structurally reinforced with heavy steel supports.

2. HYDRAULIC CONTROLS:

A. Hydraulic Rotator Motor

- Cast steel turret drive ring
- Allows rotation in horizontal arc of 300 degrees; 150 degrees to either side of straight forward.

B. Lift Cylinder

- Raises second section to any desired height
- Double acting design
- 1-1/2 in. bore x 19-3/4" stroke with 1" diameter rod

C. Tip Control Cylinder

- Allows degree of deflection on third section to proper position for loading of trucks or exact placement of snow stream
- Double acting design
- 1-1/2 in. bore x 13-1/4" stroke with 1" diameter rod

3. HYDRAULIC SYSTEM

- A. Completely self-contained
- B. Four-section hydraulic solenoid valve
- C. Flow control valves for regulating movement to adapt to environmental conditions
- D. All controls mounted in cab of carrier for complete operation
- E. All hydraulic hose and fittings designed for temperatures of minus 40 degrees F.
- F. All electric wiring protected by heavy-duty wiring loom

4. MOUNTING COMPONENTS

A. Turret Loader Mounting Table

- 3/8-inch hot rolled steel
- Heavy channel table supports

B. Four Leveling Roller Assemblies

- Roller made of hardened alloy steel
- Each roller equipped with precision sealed bearing

5. Total weight of turret loading and casting chute with components – 840 lbs.(included in blower weight)

6. Bolt-on female loader quick hitch.

7. MISCELLANEOUS EQUIPMENT

- Extensions to 103 inches
- Turbo II Precleaner
- Fuel/Water Separator (heated)
- Instrument Panel on Engine (start/stop/oil/water)
- Heavy-Duty Batteries – (2) 950 CCA
- Wireless remote control

\*One (1) year full warranty on parts and labor. The dealer shall be responsible for the cost of pickup and delivery of the Rotary Snow Blower for service and maintenance and/or repair during the extent of the warranty.

\*The blower unit is to be mounted on a front end loader. All connections and mounting components shall be compatible with the City of Clear Lake's wheel loaders.





DO NOT OPERATE WITH  
ENGINE RUNNING

STOP  
ENGINE

ENGINE  
SHUT DOWN

CHUTE  
EXTEND

ACTIVATE BEFORE SHUT DOWN  
BEFORE TURNING OFF TRANSMITTER

CLUTCH  
IN

TILT DOWN

REAR

FAN

TILT

SIDE

TILT  
UP

RIGHT

TILT



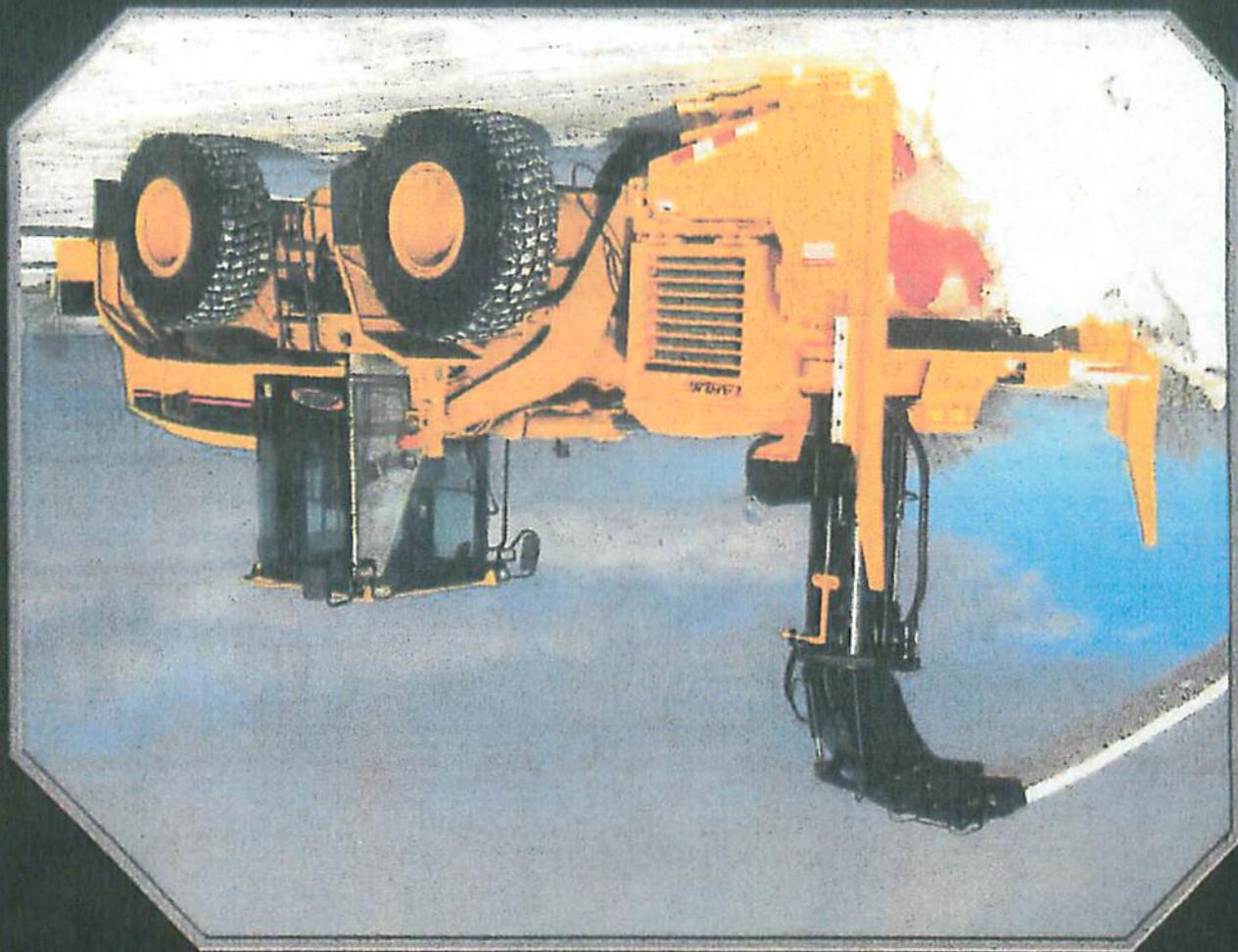




**IMPORTANT**  
All electrical work should be done by a qualified electrician.  
Do not attempt to repair or modify the generator.  
Do not touch the generator when it is running.  
Do not touch the generator when it is hot.  
Do not touch the generator when it is under load.  
Do not touch the generator when it is connected to a power source.  
Do not touch the generator when it is connected to a load.  
Do not touch the generator when it is connected to a battery.  
Do not touch the generator when it is connected to a motor.  
Do not touch the generator when it is connected to a pump.  
Do not touch the generator when it is connected to a fan.  
Do not touch the generator when it is connected to a compressor.  
Do not touch the generator when it is connected to a welder.  
Do not touch the generator when it is connected to a generator.  
Do not touch the generator when it is connected to a generator.

**CAUTION**  
Do not touch the generator when it is running.  
Do not touch the generator when it is hot.  
Do not touch the generator when it is under load.  
Do not touch the generator when it is connected to a power source.  
Do not touch the generator when it is connected to a load.  
Do not touch the generator when it is connected to a battery.  
Do not touch the generator when it is connected to a motor.  
Do not touch the generator when it is connected to a pump.  
Do not touch the generator when it is connected to a fan.  
Do not touch the generator when it is connected to a compressor.  
Do not touch the generator when it is connected to a welder.  
Do not touch the generator when it is connected to a generator.

**D50**



**Detachable snowblower**

**LARUE**



## Detachable snowblower

### Performance<sup>1</sup>

Capacity: up to 2,750 tons/hour  
Casting distance: up to 46 m (150 ft.)

### Dimensions<sup>2</sup>

Length from attach plate to front: 2,083 mm (82 in.)  
Overall width: 2,800 - 2,900 mm (110 - 114 in.)  
Overall height<sup>3</sup>: 3,530 - 3,990 mm (139 - 157 in.)  
Working height: 1,400 mm (55 in.)  
Weight<sup>3</sup>: 4,175 kg (9,200 lb)

### Engine

Various makes  
Power: from 186 kW (250 hp) to 205 kW (275 hp)

### Driveline system

Mechanical type equipped with clutch and protecting devices.

### Hydraulic system

Pump: direct drive  
Filter with replaceable cartridge  
Valves electro-hydraulic type  
Controlled by in-cab multifunctional joystick

### Impeller

Easy replaceable blades  
Heavy duty spoke type  
Impeller casing made of steel (highly abrasive resistant)  
Hydraulic impeller casing rotation

### Conveyor

2 heavy duty augers  
Ice-cutting teeth

### Truck loading chute

Hydraulically controlled  
Horizontal rotation angle: 300°  
Casting distance: 1.2 m (4 ft.) to 15 m (50 ft.)  
Telescopic section of 472 mm (18 in.) (optional)

### Options

Engine: 224 kW (300 hp)  
Female quick attach  
Hydraulic steering vanes  
Impeller casing having a 140° adjustable cast angle: Flat from the right to 40° to the left.  
Carbide type: impeller casing, loading chute, scraper blade and/or skates  
Residential type muffler  
High resistance rubber scraper blade  
Replaceable conveyor ice cutting teeth  
Battery charger and/or battery heater  
Trumpet horn  
Telescopic loading chute

### Notes:

1. Theoretical and depends on snow conditions.
2. Varies with options, measured without fuel.
3. With telescopic truck loading chute option.



Due to continuous improvement, the specifications in this brochure may change without prior notice.

For more information, please contact the manufacturer J.A. Larue Inc. or your local distributor.

Deposit brand 1999, all right reserved | Manufactured by: J.A. Larue Inc.  
660, Lenoir, Québec (Québec) Canada G1X 3V3  
Tel: 418-658-3003 | Toll free: 1-877-658-2013 | Fax: 418-658-6799  
Web site: [www.jalarue.com](http://www.jalarue.com) | E-mail: [jalarue@jalarue.com](mailto:jalarue@jalarue.com)

### Your authorized distributor:



# SNOGO®



- Performance from 1,200—2,800 tons/hour
- Truck loading or casting up to 150 feet
- Two-stage, 3-auger design
- Mechanical drive
- Turntable and telescopic loading chute

Standard equipment includes:

- Block heater
- Air cleaner with air restriction indicator
- Cab mounted control box
- Low oil pressure/high engine temperature shutdown



KEEPING AHEAD OF THE CUTTING EDGE™

## SNOGO LOADER MOUNTED SNOW BLOWERS



### MODEL WK-800

- Capacity of 1200-1500 TPH minimum
- Two-stage design, triple augers feeding an impeller
- Three, 12" horizontal augers, 42" cutting height
- 38" impeller with replaceable blades
- Telescopic chute for truck loading or spot casting snow
- Rotating impeller housing for free casting snow
- 102" cutting width
- Shear pin protected augers and impeller
- Operating weight approximately 6,100 lbs.
- Sized for 1-1/2 - 2 cubic yard loaders

### MODEL MP-3D

- Capacity of 1500-1800 TPH minimum
- Two-stage design, triple augers feeding an impeller
- Three, 14" horizontal augers, 48" cutting height
- 38" impeller with replaceable blades
- Telescopic chute for truck loading or spot casting snow
- Rotating impeller housing for free casting snow
- Cutting widths of 100", 103" or 114" available
- Shear pin protected augers and impeller
- Operating weight approximately 7,800 lbs.
- Sized for 3 - 3-1/2 cubic yard

### MODEL MP-318

- Capacity of 2500 TPH minimum
- Two-stage design, triple augers feeding an impeller
- Three, 18" horizontal augers, 60" cutting height
- 41" impeller with replaceable blades
- Telescopic chute for truck loading or spot casting snow
- Rotating impeller housing for free casting snow
- Cutting widths of 100 & 120 inches available
- Shear pin protected augers and impeller
- Operating weight approximately 10,500 lbs.
- Sized for 4 cubic yard loaders

## SNOGO TU-3 CHASSIS-MOUNTED SNOW BLOWERS



### MODEL TU-3

- Cutting width: 101-5/8" - Cutting Height: 60"
- Height to top of cutter bar: 87"
- Depth of rotary head (front to back): 50-1/2"
- Dimensions w/ Opt. Turret Loading & Casting Chute:
- Height: ground to top of tip section, chute up - tip up-145"
- Height: ground to bottom edge of tip section chute up - tip up: 130-3/4"
- Height: ground to bottom edge of tip section chute up - tip down: 120 3/4"
- Height base section to top of tip section chute retracted: 76"
- Height: ground to top - chute retracted:-125"
- Snow removal capacity: 2000-2400 TPH  
(Minimum - dependent on snow density)
- Snow casting distance: 175'  
(Dependent on snow density)
- Weight of complete unit less chassis & turret-loader: 5,000 Lbs. (approx. dependent on components)
- Complete two-stage design
- Mountable on approved four-wheel drive chassis
- Augers:
- Three (3) 18" diameter augers
- Center & bottom auger: full height-5/16"/flight-4.50" O.D.
- Top auger: tapered flight 5/16" flight: 4.50" O.D. tapered flight to reduce boil over of snow
- All augers mounted on self-aligning bearings
- Auger Drive:
- Shear bolt protected: two (2) bolts required 1.750" diameter alloy shaft
- Impeller And Associated Parts:
- Heavy-duty steel impeller weldment: 41" diameter
- Impeller shear bolt protected: three (3) bolts required
- Six (6) alloy steel replaceable fan blades
- Heavy steel fan housing: 3/16" steel plate
- Fan housing throat size: 16" diameter
- Fan housing rotates thru arc of 130° controlled from cab
- Snow stream direction/elevation can be instantly changed without stopping or interrupting operation.

Wausau Equipment Company, Inc.  
1905 South Moorland Road  
New Berlin, WI 53151-2321  
U.S.A.

800-788-6066 ~ 262-784-6066  
262-784-6720 - fax  
www.wausau-everest.com  
ISO 9001:2000 Certified

**WAUSAU • EVEREST**  
HEAVY-DUTY SNOW & ICE CONTROL



Wausau-Everest L.P. reserves the right to change products and specifications without notice.  
FRINK-AMERICA is a registered trading style of Everest Equipment Co.

Visit us at [www.wausau-everest.com](http://www.wausau-everest.com)

Everest Equipment Co.  
1077 Westmount  
Ayer's Cliff, Quebec J0B 1C0  
CANADA

819-838-4257  
819-838-5653 - fax  
www.wausau-everest.com

City of Clear Lake  
Fiscal Year 2013-2014  
Capital Equipment & Improvements

Department Public Works Dept Status:  New  Cost Change  Timing Change

Project Name: Public Works Fleet Total Cost: \$160,000

Description:  
SNOGO MP3D Loader Mounted Snowblower

Need, Justification, Benefit:  
Replace 1979 INT Chassis with 27,212 miles and the 1973 blower unit.

Consequences of Delaying this Project:  
This equipment is very important in the winter, it is a high maintenance machine. It has a lot of wear.

Impact on Operating Budget:  
High maintenance cost

Project Costs:	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	Total
Planning							
Construction							
Equipment			\$160,000				\$160,000
Other							
Total Costs			\$160,000				\$160,000

Funding Sources:

Comments:  
Public Works has two snowblowers, our newest one is a loader mount, blower with 479 hours as of 11/1/13.



Building a Better World  
for All of Us®

December 30, 2014

RE: City of Clear Lake  
12th Avenue South Resurfacing Project  
PARTIAL PAYMENT CERTIFICATE NO. 2

Scott Flory  
City Administrator  
City of Clear Lake  
15 North 6th Street  
Clear Lake, Iowa 50428

Dear Mr. Flory:

This is to verify that the contractor for the above project, Heartland Asphalt, Inc., has completed to the best of our knowledge, the work identified as complete in compliance with the contract documents.

Total Original Contract Amount	\$220,559.50
Change Order No. 1	<u>\$835.00</u>
Total Contract Amount with Change Orders	\$221,394.50
Total Contract Items Completed	\$223,350.33
Less Retainage (5%)	\$11,167.52
Previous Payment	<u>\$202,086.56</u>
CURRENT AMOUNT DUE	\$10,096.25

A tabulation of the contract work completed as of December 5, 2014 is enclosed.

It is recommended that the Contractor be paid the current amount due, \$10,096.25. This payment does not indicate final acceptance of the work.

Please do not hesitate to call if you have any questions.

Sincerely,

Michael L. Danburg, PE  
Project Manager

enclosure

c: Heartland Asphalt, Inc., Travis Tarr, 2601 South Federal Avenue, Mason City, Iowa 50401  
p:\a\c\cl\1289787-const-svcs\paycert\_2.docx

**PARTIAL PAYMENT CERTIFICATE NO. 2**  
**12TH AVENUE SOUTH RESURFACING PROJECT**  
**CLEAR LAKE, IOWA**  
**128978**  
**December 30, 2014**



NO.	ITEM	CONTRACT QUANTITY		UNIT	UNIT PRICE	AMOUNT TO DATE
		QUANTITY	TO DATE			
1	Mobilization	1	1.00	LS	\$18,240.00	\$18,240.00
2	Traffic Control	1	1.00	LS	\$3,950.00	\$3,950.00
3	Excavation, Below Grade	50	0.00	CY	\$14.10	\$0.00
4	Pavement Removal	45	45.00	SY	\$17.60	\$792.00
5	PCC Pavement or Drive, Class C, 6"	45	45.00	SY	\$70.40	\$3,168.00
6	Oversize Rock Base	75	0.00	TON	\$21.00	\$0.00
7	Aggregate Surfacing, Shoulders and Drives	155	106.81	TON	\$27.50	\$2,937.28
8	Pavement Scarification	290	250.00	SY	\$14.30	\$3,575.00
9	Roadway Reclamation, 12"	7,500	8146.00	SY	\$5.50	\$44,803.00
10	Water for Mixing	100	39.00	1000 GAL	\$7.25	\$282.75
11	Flyash for Mixing	560	602.90	TON	\$67.00	\$40,394.30
12	HMA Surface Mixture, 2"	925	1013.00	TON	\$83.50	\$84,585.50
13	HMA Leveling Mixture	95	0.00	TON	\$83.50	\$0.00
14	Fixture Adjustment, Manhole	2	2.00	EA	\$925.00	\$1,850.00
15	Fixture Adjustment, Valve Box	2	2.00	EA	\$125.00	\$250.00
16	Storm Sewer Pipe, 24", RCP	65	63.00	LF	\$65.00	\$4,095.00
17	Storm Sewer Pipe, 15", RCP	28	28.00	LF	\$60.00	\$1,680.00
18	Storm Intake, SW-501	1	1.00	EA	\$3,200.00	\$3,200.00
19	Storm Intake, SW-503	1	1.00	EA	\$4,700.00	\$4,700.00
20	Apron, 24" RCP	1	1.00	EA	\$1,100.00	\$1,100.00
21	Special Backfill Material, Trench	50	131.25	TON	\$20.00	\$2,625.00
22	Erosion Stone	10	5.75	TON	\$50.00	\$287.50
23	Turf Restoration	5	0.00	SQ	\$110.00	\$0.00
<b>TOTAL PROJECT</b>						<b>\$222,515.33</b>
<b>Change Order No. 1</b>						
1	Remove Existing Storm Sewer Pipe, CMP, 12"	1	1.00	LS	\$675.00	\$675.00
2	Insulation	8	8.00	LF	\$20.00	\$160.00
<b>TOTAL CHANGE ORDER NO. 1</b>						<b>\$835.00</b>
<b>TOTAL PROJECT WITH CHANGE ORDER</b>						<b>\$223,350.33</b>