ROAD EQUIPMENT PROCUREMENT AND UTILIZATION STUDY

CTRE Project 01-101

Sponsored by the Highway Division of the Iowa Department of Transportation





Center for Transportation Research and Education

IOWA STATE UNIVERSITY

Road Equipment Procurement and Utilization Study

Abstract

This study has investigated the procurement and use of construction and maintenance equipment owned or leased by public entities in Iowa that receive road use tax moneys. The findings are provided as a basis for the Iowa Department of Transportation's recommendation to the Iowa General Assembly as required by 2001 Iowa Acts, chapter 32, section 12, subsection 2.

An equipment list was the foundation of a fill-in-the-box survey that collected information regarding number of pieces purchased or leased, procurement method, and percentage of use for maintenance and construction. Both paper and electronic versions of the survey were sent to a total of 378 entities that receive road use tax moneys: all counties in Iowa, all cities in Iowa with populations greater than 5,000, all cities in Iowa with populations between 2,000–5,000, a sample of cities in Iowa with populations less than 2,000, and state agencies including the Iowa Board of Regents institutions, Iowa Department of Natural Resources, Iowa DOT, and all state correctional facilities.

Most of the equipment subject to the survey was purchased rather than leased (99% versus 1%). Procurement policies vary depending on the responding entity. A formal bidding procedure is typically used for larger agencies such as cities with populations greater than 5,000 and the Iowa DOT. Smaller cities tend to purchase equipment used. Results reveal most of the purchased equipment is used for maintenance (94.1%) rather than for construction (5.9%). Most agencies used their equipment with utilization rates around 80% on average. Small cities appear to underutilize equipment, with utilization rates averaging 42%.

Recommendations based on the study results are provided to enhance the procurement process for entities receiving road use tax funds. In order to encourage equipment sharing between agencies, a list of an agency's equipment could be made available so that other organizations could have access. Procurement policies could also be modified such that equipment is selected based on the lowest life-cycle cost as opposed to the lowest initial bid price.

The opinions, findings, and conclusions expressed in this publication are those of the authors and not necessarily those of the Iowa Department of Transportation.

CTRE's mission is to develop and implement innovative methods, materials, and technologies for improving transportation efficiency, safety, and reliability while improving the learning environment of students, faculty, and staff in transportation-related fields.

ROAD EQUIPMENT PROCUREMENT AND UTILIZATION STUDY

CTRE Project 01-101

Principal Investigator Edward J. Jaselskis Associate Professor of Civil and Construction Engineering, Iowa State University

Co-Principal Investigator

Stephen J. Andrle Director, Center for Transportation Research and Education

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Center for Transportation Research and Education Iowa State University

2901 South Loop Drive, Suite 3100 Ames, IA 50010-8632 Phone: 515-294-8103 Fax: 515-294-0467 www.ctre.iastate.edu

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The advisory committee members were very helpful in providing guidance on the survey instrument. The advisory committee consisted of the following people:

- Carol Coates, Iowa Department of Transportation
- Larry Jesse, Iowa Department of Transportation (Committee Chair)
- John Klostermann, City of Dubuque
- Larry Mattusch, Scott County
- Dwayne McAninch, McAninch Corporation

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EXECUTIVE SUMMARY

This study has investigated the procurement and use of construction and maintenance equipment owned or leased by public entities in Iowa that receive road use tax moneys. The findings are provided as a basis for the Iowa Department of Transportation's recommendation to the Iowa General Assembly as required by 2001 Iowa Acts, chapter 32, section 12, subsection 2 (House File 324, 2001 session). This legislation states that "The department shall review the highway and street construction and maintenance equipment procurement policies and the use of such equipment by all entities receiving road use tax fund moneys. The department shall report its findings, and any recommendations regarding potential efficiencies and cost savings in the procurement and use of such equipment, to the general assembly by December 31, 2002. The department shall consult with public and private entities in reviewing the procurement policies and use of equipment and in formulating the department's recommendations."

An oversight committee was established composed of Iowa DOT staff, a representative of the Associated General Contractors of Iowa, a city representative, a county representative, and others as suggested by the core group. This oversight committee was used to test for sensitive issues, review the survey instrument, and provide guidance on the project.

As a first step in survey instrument development, a list of motorized and non-motorized equipment valued at \$5,000 or more was prepared. Functionally similar pieces of equipment were grouped into categories to keep the list as short as possible. The equipment list was the foundation of a fill-in-the-box survey that collected information regarding

- number of pieces of equipment purchased or leased
- procurement method
- normal procurement cycle
- percentage of use for maintenance and construction
- open-ended questions and comments as desired by the committee

The survey was pretested by a combination of five city, county, and state department of transportation representatives. Both paper and electronic versions of the survey were sent to a total of 378 entities that receive road use tax moneys:

- all counties in Iowa (99)
- all cities in Iowa with populations greater than 5,000 (89)
- all cities in Iowa with populations between 2,000–5,000 (78)
- a sample of cities in Iowa with populations less than 2,000 (This category included 798 cities. Researchers decided to select 100 of the cities using a random sampling approach.)
- state agencies that receive road use tax moneys, including the Iowa Board of Regents institutions (one survey covered all state universities), Iowa Department of Natural Resources, Iowa DOT, and all state correctional facilities (12)

A total of 246 surveys were received, representing a 65% response rate. Survey data were entered into a spreadsheet and analyzed using appropriate statistical methods.

Most of the equipment subject to the survey was purchased rather than leased (99% versus 1%). Procurement policies vary depending on the responding entity. A formal bidding procedure is typically used for larger agencies such as cities with populations greater than 5,000 and the Iowa DOT. Direct purchase was also a popular method of purchase for most of the responding entities. Smaller cities tend to purchase equipment used. Leasing characteristics also vary depending on the entity. Larger cities (with populations greater than 5,000) typically entered into long-term contracts with a maintenance agreement. The Iowa DOT and state correction facilities typically used short-term leasing arrangements (less than six months).

Results reveal most of the purchased equipment is used for maintenance (94.1%) rather than for construction (5.9%). Equipment used primarily for construction purposes included road mixers, asphalt pavers, water tank attachments, and road rating machines.

Although the research team did not receive a substantial amount of data related to equipment utilization efficiency, most agencies used their equipment with utilization rates around 80% on average. Small cities (with populations less than 2,000) appear to underutilize equipment, with utilization rates averaging 42%.

Respondent comments provided information regarding suggestions for procurement procedures. In particular, it was mentioned that low bid is not always the best approach and equipment sharing is a suitable approach when equipment is not used very much.

A few recommendations based on the study results are provided to enhance the procurement process for entities receiving road use tax funds. In order to encourage equipment sharing between agencies, a list of an agency's equipment could be made available so that other organizations could have access. This could help increase the equipment utilization rates of all organizations. Procurement policies could also be modified such that equipment is selected based on the lowest life-cycle cost as opposed to the lowest initial bid price.

INTRODUCTION

2001 Iowa Acts, chapter 32, section 12, subsection 2 (House File 324, 2001 session) states that the Iowa Department of Transportation (Iowa DOT) shall review the use of construction and maintenance equipment owned or leased by public entities that receive road use tax moneys in Iowa, and provide a recommendation for improved efficiency to the Iowa General Assembly.

The Iowa DOT retained the Center for Transportation Research and Education (CTRE) at Iowa State University to conduct a survey on construction and maintenance equipment procurement and use in Iowa and report the results. The study report provides a sample listing of equipment owned by cities, counties, and other government institutions that receive road use tax fund moneys, a description of the equipment's use (construction versus maintenance), and information on equipment procurement practices and policies.

Summary of Legislation

2001 Iowa Acts, chapter 32, section 12, subsection 1 requires the Iowa DOT to define the terms "construction," "reconstruction," "improvement," and "repair or maintenance." This has been done (see Appendix A), and the definitions will be used in the work specified by subsection 2.

2001 Iowa Acts, chapter 32, section 12, subsection 2 states the following: "The department shall review the highway and street construction and maintenance equipment procurement policies and the use of such equipment by all entities receiving road use tax fund moneys. The department shall report its findings, and any recommendations regarding potential efficiencies and cost savings in the procurement and use of such equipment, to the general assembly by December 31, 2002. The department shall consult with public and private entities in reviewing the procurement policies and use of equipment and in formulating the department's recommendations."

Initial Project Meeting

An initial project meeting was held on October 9, 2001, to discuss the need to review highway and street construction and maintenance equipment procurement policies as outlined by 2001 Iowa Acts, chapter 32, section 12, subsection 2. Attendees included

- John Adam, Iowa DOT
- Steve Andrle, CTRE
- Elizabeth Baird, Iowa DOT
- Carol Coates, Iowa DOT
- Ed Jaselskis, CTRE/Iowa State University
- Larry Jesse, Iowa DOT
- Kevin Mahoney, Iowa DOT

The meeting was beneficial because it helped identify important considerations for the study and provided needed information to define the scope of work.

Scope of Work

The project's scope of work consisted of five tasks:

- 1. Establish an oversight committee composed of Iowa DOT staff, a representative of the Associated General Contractors (AGC) of Iowa, a city representative, a county representative, and others as suggested by the core group. This oversight committee will be used to test for sensitive issues, review the survey instrument, and provide guidance on the project.
- 2. Prepare a survey including a list of motorized equipment valued at \$5,000 or greater. Functionally similar pieces of equipment will be grouped into categories to keep the list as short as possible. Send the survey to a representative sample of Iowa transportation agencies that receive road use tax funds.
- 3. Enter survey results data into a database for analysis. Analyze data and represent results using appropriate tables illustrating the percent of use of each type of equipment for maintenance and construction, whether leased or owned, and how procured.
- 4. Prepare and submit a draft final report to the study committee for review. Following review of the draft report, submit a final version.
- 5. Support Iowa DOT staff as needed in preparing a presentation to the Iowa General Assembly.

Advisory Committee

The advisory committee was formed of the following members:

- Carol Coates, Iowa DOT
- Larry Jesse, Iowa DOT (Committee Chair)
- John Klostermann, City of Dubuque
- Larry Mattusch, Scott County
- Dwayne McAninch, McAninch Corporation

Deliverables

The project deliverables are

- paper and electronic survey instrument
- data files
- 25 copies of a draft final report
- 25 copies of a final report

SURVEY DEVELOPMENT

Drafting the Survey

An equipment list was the foundation of the fill-in-the-box survey instrument. The survey asked at least the following questions about each equipment category:

- number of pieces leased or purchased
- percentage of use for maintenance and construction
- procurement method
- normal procurement cycle
- open-ended questions and comments as desired by the committee

An advisory committee meeting was held (on December 10, 2001) to review a draft copy of the survey. The committee reviewed the survey to ensure that the proposed approach satisfied the legislative intent. The overall survey instrument was reviewed along with the equipment categories and proposed collection and analysis methodologies. Several substantive comments were received from the advisory committee. As a result of this meeting, several corrections were made to the survey instrument. There was also discussion regarding the survey respondents.

Description of the Final Survey

Both paper and electronic survey instruments were designed. The final version of the survey (see Appendix B) contained survey definitions, survey instructions, a worksheet for determining percents of use and worksheet instructions, and a three part equipment survey as described in more detail below.

Survey Definitions

The following terms, used in the survey, were defined for the respondents as follows:

"Equipment" is defined as self-propelled equipment and non-self propelled equipment (not including snow and ice control equipment or truck bodies) with a purchase or replacement value of more than \$5,000. (It was also possible for respondents to add equipment that was not listed.)

"Maintenance" is the preservation of a road, street, bridge, or culvert so that it is in sound or proper condition. For purposes of the survey, maintenance included minor repair, replacements, and additions necessary to restore the road, street, bridge, or culvert to its originally built condition with essentially the same design, and removal of snow and ice from roadways and other winter maintenance activities.

"Construction" includes improvement, reconstruction, or new construction of a road, street, bridge, or culvert. For purposes of this study, construction included

- work that increases the value of the facility and enhances the facility, its traffic operations, or its safety beyond the original design and may involve rehabilitation, restoration, or resurfacing (3R) type projects;
- work that significantly changes the existing type of road, street, bridge, or culvert or its geometric and structural features and may involve some realignment and use of current design criteria; and
- the building or development of a road, street, bridge, or culvert in a new location when the new location deviates substantially from the existing alignment and the result is an entirely new road or street for the greater part of the length involved.

"Equipment equivalent" is the number of pieces of equipment in use. For example, a grader's time can be allocated such that 0.75 "equipment equivalents" are used for maintenance and 0.25 "equipment equivalents" are used for construction during a specified season.

Survey Instructions

A detailed list of instructions was provided to assist the completion of each portion of the survey.

Worksheet for Determining Percents of Use and Worksheet Instructions

A worksheet, along with an example, was included for determining the percents of use.

Equipment Survey Part 1: Equipment Procurement and Use Information

A list of equipment was identified from several sources. A primary source was an Iowa DOT report related to fleet management assessment (Griffith and Associates 1997). The report is the result of an independent review of the state's fleet operations in response to the Governor's Blue Ribbon Task Force report that identified potential cost savings opportunities in the management of the state's fleet of vehicles and equipment. The document presents an assessment identifying the strengths and weaknesses in several functional areas of fleet management, and offers recommendations to advance fleet performance. Self-propelled ("A") and non-self-propelled ("B") equipment classes used by the Iowa DOT were also reviewed by the research team (Iowa DOT 2001c and Iowa DOT 2001b, respectively). In addition, a schedule of equipment rates from the Federal Emergency Management Agency (FEMA) was also consulted (FEMA 1998).

In Part 1 of the survey, respondents were asked to identify equipment owned in 2001. As part of the instructions, respondents were advised of the following procurement definitions:

- "Formal bid" is new equipment purchased through a formal bidding process in which specifications were issued and competitive bids were formally received and opened.
- "Direct purchase" is new equipment purchased without going through a bidding process. Informal price quotations may have been requested or new equipment purchased from a typical supplier.
- "Existing contract" means new equipment was purchased through state contract or other cooperative volume purchase arrangement.
- "Purchased used" is used equipment purchased directly or at auction.

Respondents were also asked to identify leased equipment in 2001. They had to enter the number of pieces (a) leased for more than six months with a maintenance contract, (b) leased for more than six months with no maintenance contract, and (c) rented for six months or less.

Equipment Survey Part 2: Innovative Suggestions or Good Practices for Equipment Procurement and Use

A space was provided for suggestions regarding innovative and/or good equipment procurement and use practices.

Equipment Survey Part 3: Respondent Information

The form asked for respondent name, title and organization, and contact information.

Survey Pretest and Refinement

The paper survey was pretested by five individuals representing various transportation agencies as follows:

- Tom Donahey, Iowa DOT
- Jim George, Dallas County
- Brett Hodne, City of West Des Moines
- Randy Krauel, City of Carroll
- Wade Weiss, Green County

The pretesters generally thought the survey was appropriate and was clear and relatively straightforward to complete. One pretester mentioned that it seemed long and included too much detail regarding the type of equipment. As a result of the pretest, the researchers made a few enhancements to the survey. One change was to "lock" certain columns where calculations were made, whereas the original version allowed respondents to erase equations in the spreadsheet. A reminder to respondents to save an extra copy in case something happened to the disk in the mail was also added.

DATA COLLECTION AND ANALYSIS METHODS

Data Collection

On January 28, 2002, 378 surveys were distributed to the following entities that receive road use tax funds:

- all counties in Iowa (99)
- all cities in Iowa with populations greater than 5,000 (89)
- all cities in Iowa with populations between 2,000–5,000 (78)

- a sample of cities in Iowa with populations less than 2,000 (This category included 798 cities. Researchers decided to select 100 of the cities using a random sampling approach.)
- state agencies that receive road use tax moneys, including
 - Iowa Board of Regents institutions (one survey covered all state universities)
 - Iowa Department of Natural Resources (Iowa DNR) (1)
 - Iowa DOT (1)
 - all state correctional facilities (9)

All recipients received a mail version with a cover letter signed by the director of the Iowa DOT (see Appendix B). For convenience, a Microsoft Excel spreadsheet with the questions was also e-mailed to the respondents so that they could complete the survey electronically if preferred.

Several respondents requested clarification on some points related to inclusion of snow removal equipment and equipment included as part of this study. Snow removal equipment was to be included to the extent that the truck body, for example, was used for maintenance or construction. The research team also provided clarification regarding equipment of interest in this study by stating that we were interested in equipment that was purchased using road use tax moneys, in part or whole.

By the end of March 2002, the research team had received approximately 150 completed surveys. A reminder card was sent out soon thereafter to encourage people to complete the survey. Some people claimed that they had not received the survey or had lost it. In either case, we resent the survey to them. By the middle of June 2002, a total of 246 surveys were received. Some clarification was required regarding the responses, and the necessary follow up was initiated. It should be noted that a small number of surveys sent via floppy disk (approximately 16) were damaged. The research team was able to obtain another version of the survey from some but not all of these respondents.

Data Analysis

All data were entered into a common Microsoft Excel spreadsheet prior to the data analysis phase. Data from the paper surveys were manually entered, and information from the electronic surveys was imported using software commands. Once these data were completely entered into the spreadsheet, it was necessary to "clean up" the database by correcting obvious transcription errors. In some cases, clarification was required and respondents were contacted to obtain additional information. Appropriate statistical techniques were used to analyze the data; these included calculating averages and percentages and performing data counts.

RESULTS

Results from the data analysis are provided in this section (Appendix C contains the data file).

Respondent Information

Table 1 shows the survey response characteristics. Of the 378 surveys sent out, 246 were returned, representing a 65% response rate. Note that counties and cities with populations less than 2,000 had the highest percentage response rates (74% and 73%, respectively) of the cities/counties surveyed. Cities in the 2,000–5,000 population range had the lowest response rate (36%). Note also that two respondents failed to provide their organization affiliation.

Respondent	Number of Surveys Sent	Number of Surveys Received	Response Rate
Cities > 5,000	89	55	62%
Cities 2,000–5,000	78	28	36%
Cities < 2,000	100	73	73%
Counties	99	76	74%
State agencies (Iowa Board of Regents, Iowa DNR, Iowa DOT, state correctional facilities)	12	12	100%
Unidentified respondents		2	
Total	378	246	65%

Table 1. Number of Survey Responses

Most of the respondents for the cities were the directors of public works, city administrators, street superintendents, or city clerks (refer to Tables 2–4). A few surveys in each city classification did not identify the respondent title. It appeared that cities with populations greater than 5,000 had the greatest variety of respondent titles—many of them were simply categorized as "Other" in order to shorten the list for this study.

Table 2. Respondent Profile for Cities Greater Than 5,000

Respondent Title	Number	Percent of Total
Director of Public Works	11	20.0%
Street Superintendent	8	14.5%
City Engineer	5	9.0%
City Administrator	3	5.5%
City Clerk	3	5.5%
Public Services Superintendent	3	5.5%
Street Commissioner	2	3.5%
Other	17	31.0%
Unidentified respondent	3	5.5%
Total	55	100.0%

Respondent Title	Number	Percent of Total
Director of Public Works	10	35.7%
City Administrator	4	14.3%
City Clerk	3	10.6%
Street Superintendent	2	7.1%
Building and Grounds Supervisor	1	3.6%
City Engineer	1	3.6%
City Manager	1	3.6%
Director of Public Property	1	3.6%
Mayor	1	3.6%
Street Sanitation Supervisor	1	3.6%
Unidentified respondent	3	10.7%
Total	28	100.0%

 Table 3. Respondent Profile for Cities 2,000–5,000

Table 4. Respondent Profile for Cities Less Than 2,000

Respondent Title	Number	Percent of Total
City Clerk	45	61.6%
Maintenance (superintendent, city, supervisor, municipal)	9	12.4%
Superintendent (municipal, city, public works, street)	8	11.0%
Director of Public Works	5	6.8%
Mayor	5	6.8%
Street Foreman	1	1.4%
Total	73	100.0%

County engineers and their assistants comprised approximately 65% of respondents representing the counties, as shown in Table 5. Note that four of the computer disks were damaged during return mailing and the researchers were unable to obtain another copy of the survey from those counties.

The respondent profiles for the state agencies that received road use tax funds—the Iowa Board of Regents, Iowa DNR, Iowa DOT, and state correctional facilities—are provided in Table 6.

Respondent Title	Number	Percent of Total
County Engineer	49	64.5%
Assistant to Engineer	8	10.5%
Maintenance Superintendent	6	8.0%
Shop Foreman/Manager	5	7.0%
Inventory Control Supervisor	1	1.0%
Office Manager	1	1.0%
Road Maintenance Supervisor	1	1.0%
Unidentified respondent	5	7.0%
Total	76	100.0%

Table 5. Respondent Profile for Counties

Table 6. Respondent Profile for State Agencies

Agency	Respondent Title
Iowa Board of Regents	Assistant Director, Business and Finance
Iowa DNR	Director
Iowa DOT	Manager, Equipment Services
Anamosa State Penitentiary	Associate Warden
Clarinda Correctional Facility	Assistant Business Manager
Fort Dodge Correctional Facility	Financial Services Manager
Iowa Correctional Facility	Director, Operations Manager
Iowa State Penitentiary	Correctional Trades Leader
Mount Pleasant Correctional Facility	Business Manager
Newton Correctional Facility	Maintenance Repair Supervisor
North Central Correctional Facility	Operations Manager
Oakdale Department of Corrections	Business Manager

Equipment Purchasing Characteristics

Table 7 shows the number of equipment pieces purchased or leased. Note that a small percentage of respondents did not specify the method of acquisition (refer to cities greater than 5,000 and counties). For the most part, equipment is purchased by all the responding organizations with a small percentage associated with leasing. All respondents reported that approximately 99% of their equipment is purchased as opposed to leased. A breakdown is provided for each of the organization categories. It is interesting to note that the Iowa Board of Regents and Iowa DNR stated that they did not use road use tax funds to purchase equipment; the Iowa Board of Regents and Iowa DNR survey responses are therefore not included in the remaining discussion and tables.

Respondent Type	Number Purchased (Percent of Total)	Number Leased (Percent of Total)	Number Unspecified (Percent of Total)	Total
All entities surveyed	9,094 (98.7%)	98 (1.1%)	25 (0.20%)	9,217
Cities > 5,000	1,558 (96.9%)	25 (1.6%)	24 (1.5%)	1,607
Cities 2,000–5,000	320 (99.07%)	3 (0.93%)	0 (0.0%)	323
Cities < 2,000	209 (100%)	0 (0.0%)	0 (0.0%)	209
Counties	4,218 (99.4%)	24 (0.57%)	1 (0.03%)	4,243
Iowa DOT	2,719 (98.4%)	43 (0.6%)	0 (0.0%)	2,762
State correctional facilities	29 (96.7%)	1 (0.3%)	0 (0.0%)	30

Table 7. Number of Pieces of Equipment Purchased or Leased

Table 8 reveals the method for purchasing the equipment. For the most part, equipment is purchased through a formal bidding process (as indicated by 70.4% of all respondents). Approximately 16% is purchased using a direct purchase approach. It appears that smaller entities such as cities with populations less than 2,000 and correctional facilities purchase a large percentage of their equipment used. This seems like a reasonable approach since their budgets are most likely smaller for equipment procurement.

Respondent Type	Formal Bid	Direct Purchase	Existing Contract	Purchased Used	Unspecified
All entities surveyed	70.4%	15.5%	4.6%	8.2%	1.3%
Cities > 5,000	76.9%	9.2%	2.9%	9.0%	2.0%
Cities 2,000–5,000	48.4%	22.8%	0.0%	26.6%	2.2%
Cities < 2,000	16.7%	37.3%	0.0%	38.8%	7.2%
Counties	61.4%	26.1%	1.3%	9.8%	1.4%
Iowa DOT	87.6%	0.2%	11.8%	0.4%	0.0%
State correctional facilities	44.8%	3.5%	0.0%	51.7%	0.0%

Table 8. Procurement Method for Purchasing Equipment

Table 9 shows the procurement methods for leasing equipment. Most of the equipment (58.2%) is leased on a short-term (less than six months) basis. Approximately 28% of those leasing do so with a long-term no maintenance agreement. It is interesting to note that 88% of the cities with populations greater than 5,000 leased equipment with a long-term maintenance agreement. This is probably due to the extensive use requirements for the equipment.

Respondent Type	Short Term	Long Term with Maintenance Agreement	Long Term, No Maintenance Agreement	Unspecified
All entities surveyed	58.2%	7.1%	27.6%	7.1%
Cities > 5,000	0.0%	88.0%	12.0%	0.0%
Cities 2,000–5,000	0.0%	0.0%	100.0%	0.0%
Cities < 2,000	0.0%	0.0%	0.0%	0.0%
Counties	37.5%	25.0%	8.3%	29.2%
Iowa DOT	100.0%	0.0%	0.0%	0.0%
State correctional facilities	100.0%	0.0%	0.0%	0.0%

Table 9. Procurement Method for Leasing Equipment

Equipment Types Used

Tables 10–15 show equipment profile distributions for all respondents by their respective organization. An important point to make is that these results do not constitute a complete inventory of equipment owned by all transportation entities using road use tax funds—this is merely a survey.

Note that the three most common pieces of equipment for cities with populations over 5,000 are the single-axle dump body trucks, 2 cy+ wheel loaders, and 125-200 CFM air compressors. It is interesting to note that the >135 HP motor grader was the most commonly owned piece of equipment for the counties, followed by the single-axle dump body truck.

Equipment below one percent is listed below each profile distribution table. Four cities with populations 2,000–5,000 did not purchase any equipment using road use tax funds; 29 cities with populations less than 2,000 in population had no equipment purchased using road use tax funds.

Type of Equipment	Percent Owned
Single Axle Dump Body	24.5%
Wheel Loader, 2 cy +	4.0%
Air Compressor, 125-200 CFM	3.7%
Tandem Axle Dump Body	3.5%
Motor Grader, >135 HP	3.5%
Tractor Loader-Backhoe	3.3%
Concrete Saw	3.3%
Snow Blower Attachment	2.6%
Sweeper, 3 Wheel Mechanical	2.6%
Single Axle Flatbed	2.4%
Skid Steer Loader, Wheel or Track	2.4%
Motor Grader, 135 HP or less	2.3%
Breaker Pavement, Attachment	2.3%
Mowing Tractor, <45 HP	2.1%
Drum Roller, 40-67"	2.1%
Brush Chipper	2.1%
Water Truck	1.8%
Sweeper, 4 Wheel Air	1.7%
Crack Filler	1.6%
Washer, Hi-Power Water	1.3%
Platform Boom (High-Reach)	1.2%
Sewer Jet Vacuum (Combination)	1.2%
Centerline Paint Marker	1.1%
Mowing Tractor, 45-65 HP	1.0%
Mowing Tractor, 65+ HP	1.0%
Other*	<1.0%

 Table 10. Owned Equipment Distribution for Cities Greater Than 5,000

Sewer Jet; Broom Attachment; Low Bed 15 Ton Trailer; Truck-Mounted Bitumen Distributor; Rubber Tire Roller 9 Wheel; Wheel Loader 2 cy or less; Asphalt Main Screed >10 ft; Tractor Loader-Box Blade; Distributor Bitumen; Grapple Attachment Loader; Sweeper Attachment; Fully Equipped Paint Truck; Semi-Tractor; Sweeper 4 Wheel Mechanical; Asphalt Patcher; Milling Head; Leaf Machine; Leaf Boxes; Single Axle Van Body; Rubber Tire Roller 7 Wheel; Self-Propelled Chip Spreader; Single Axle Custom Body; Stump Cutter; Premix Heater; Kettle Bitumen Heater; Hydraulic Wheeled <1 cy; Asphalt Main Screed 10 ft or less; Concrete Main Screed >10 ft; Sheep's Foot Roller 40-67"; Single Axle V Box Spreader; Tail Gate Rollers; Hydraulic Wheeled 2+ cy; Drum Roller 67+"; Integrated Tool Carrier; Loader Crawler 80 HP or less; Air Compressor 200+ CFM; Miller Asphalt Spreader; Tree Spade; Weed Spraver; Tiller Power Rake; Trailer, Low Bed Semi; Trailer, Van; Tandem Axle flatbed; Hydraulic Crawler 1-2 cy; Sewer Jet Truck; Pulverizer; Oil Distributor; 1-Ton Utility Truck; 1-Ton Flatbed; Bo-Mag Road Reclaimer-Scarifier; Pump, Mud Paddle/Colloidal; Seeder; Boom Mower; Rear Load Garbage Truck Single Axle with Tag; Recycle Truck Single Axle; Trailer Tank, Semi; Hydraulic crawler <1 cy; Sheep's Foot Roller 67"+; Loader Crawler 80+ HP; Cranes; Dozer 150 HP or less; Dozer 150-300 HP; Snow Blower; Trencher; Landall; Equipment Trailer; Crack Router; Cimceal Applicator; Road Mixer; Bucket Truck; Salt Conveyor; Vertical Drill; Hydro-Seeder; Profiler Machine; Mixer; Bitumen Recycler; Roller Attachment; Signal, Speed Sensing Trailer Mtd.; Leaf Vac; Water Tank Attachment; Vac-Con Sewer Jet Vacuum; Trailer, Tandem 12k; Trailer; Tandem 6k; 45' Boom Truck; Ag Gater-Wastewater; Semi Liquid Trailer-Waste Water; Paint Machine; Mosquito Spraver; Backhoe Loader Mounted; Side Load Garbage Truck; Sidewalk Sweeper; Sewer Jet-Vac Combination; Sewer TV Inspection Unit; Van; Sewer Easement Machine; Shoring; Concrete Screed; Vibratory Platecompactor/Hydraulic; Adams Conveyor Loader; Single Axle Sand Spreader Trucks; 4x4 Pickups.

Leased equipment for cities greater than 5,000 included Wheel Loader 2 cy+, Motor Grader >135 HP, Tractor Loader-Backhoe, Sweeper 3 Wheel Mechanical, Skid Steer Loader, Mowing

Tractor <45 HP, Drum Roller 40-67", Mowing Tractor 65+ HP, Integrated Tool Carrier, and Dozer 150 HP or less.

Type of Equipment	Percent Owned
Single Axle Dump Body	25.6%
Mowing Tractor, <45 HP	6.3%
Sweeper, 3 Wheel Mechanical	4.4%
Air Compressor, 125-200 CFM	4.4%
Motor Grader, 135 HP or less	3.8%
Wheel Loader, 2 cy+	3.5%
Tractor Loader-Backhoe	3.2%
Skid Steer Loader, Wheel or Track	3.2%
Brush Chipper	2.9%
Concrete Saw	2.9%
Sewer Jet	2.5%
Single Axle Flatbed	2.2%
Mowing Tractor, 45-65 HP	2.2%
Drum Roller, 40-67"	1.9%
Sweeper, 4 Wheel Air	1.9%
Tandem Axle Dump Body	1.6%
Water Truck	1.6%
Wheel Loader, 2 cy or less	1.6%
Motor Grader, >135 HP	1.6%
Pickups	1.6%
Crack Filler	1.6%
Snow Blower Attachment	1.6%
Mowing Tractor, 65+ HP	1.3%
Garbage Trucks	1.3%
Grapple Attachment, Loader	1.3%
Centerline Paint Marker	1.3%
Other*	<1.0%

Table 11. Owned Equipment Distribution for Cities 2,000–5,000

* Truck-Mounted Bitumen Slip-in or Trailer; Asphalt Main Screed 10 ft or less; Sheep's Foot Roller 40-67"; Integrated Tool Carrier; Lower Crawler 80 HP or less; Sweeper 4 Wheel Mechanical; Tractors; Backhoe; Mower; Kettle Bitumen Heater; Milling Head; Roller Attachment; Signal Speed Sensing Trailer; Tree Spade; Weed Sprayer; Sweeper Attachment; Tiller Power Rake; Low Bed 15 Ton Trailer; High Power Water Washer; Tractor-Snowplow Blade; Tractor/Blower.

Leased equipment for cities 2,000–5,000 included Motor Grader 135 HP or less, Wheel Loader 2 cy or less, and Integrated Tool Carrier.

Type of Equipment	Percent Owned
Single Axle Dump Body	28.7%
Mowing Tractor, <45 HP	15.3%
Tractor Loader-Box Blade	6.7%
Motor Grader, 135 HP or less	6.2%
Tractor Loader-Backhoe	5.3%
Sweeper, 3 Wheel Mechanical	4.8%
Wheel Loader, 2 cy +	3.3%
Mowing Tractor, 65+ HP	2.9%
Weed Sprayer	2.9%
Sewer Jet	2.4%
Snow Blower Attachment	2.4%
Single Axle Flatbed	1.9%
Sweeper, 4 Wheel Mechanical	1.9%
Air Compressor, 125-200 CFM	1.4%
Other*	<1.0%

Table 12. Owned Equipment Distribution for Cities Less Than 2,000

* Water Truck; Wheel Loader 2 cy or less; Mowing Tractor 45-65 HP; Broom Attachment; Brush Chipper; Salt Conveyor; Crack Filler; High Reach platform Boom; Drum Roller 40-67"; Integrated Tool Carrier; Sweeper 4 Wheel Air Driven; Motor Grader >135 HP; Skid Steer Loader; Backhoe 30 HP; Mower; Tractor-Blade; Heater Pre-mix; Kettle Bitumen Heater; Centerline Paint Marker; Concrete Saw; Sweeper Attachment; High Power Water Washer.

None of the respondents in cities less than 2,000 reported any leased equipment.

Type of Equipment	Percent Owned
Motor Grader, >135 HP	19.1%
Single Axle Dump Body	13.0%
Tandem Axle Dump Body	11.2%
Wheel Loader, 2 cy +	4.2%
Mowing Tractor, 65 + HP	3.2%
Mowing Tractor, 45-65 HP	2.5%
Semi-Tractor	2.4%
Pickups	2.3%
Single Axle Flatbed	2.2%
Dozer, 150 HP or less	2.1%
Air Compressor, 125-200 CFM	1.9%
Tractor Loader-Backhoe	1.6%
Trailer, Low Bed Semi	1.6%
Brush Chipper	1.6%
Washer, Hi-Power Water	1.3%
Trailer, Low Bed 15 Ton	1.3%
Motor Grader, 135 HP or less	1.2%
Hydraulic Wheeled, 1-2 cy	1.1%
Snow Blower Attachment	1.1%
Trailer, Belly Dump	1.1%
Other*	<1.0%

Table 13. Owned Equipment Distribution for Counties

* Hydraulic Crawler 1–2 cy; Broom Attachment; Dozer 150-300 HP; Wheel Loader 2 cy or less; Weed Sprayer; Hydraulic Wheeled < 1 cy; Concrete Saw; Sheep's Foot Roller 67"+; Hydro-Seeder; Dragline > 1/2 cy;

Shouldering Machine; Driver, Pile or Pipe; Drum Roller 40-67"; Scraper, Rubber Tire Elevating <15 cy; Loader Crawler 80 HP or less; Mowing Tractor <45 HP; Dragline 1/2 cy or less; Cranes; Skid Steer Loader, Wheel or Track; Air Compressor, 200+ CFM; Seeder; Rubber Tire Roller 9 Wheel; Sheep's Foot Roller 40-67"; Tandem Axle Flatbed; Water Truck; Hydraulic Wheeled 2+ cy; Crack Filler; Sweeper Attachment; Truck-Mounted Bitumen Distributor; Breaker Pavement Attachment; Single Axle Van Body; Platform Boom (High-Reach); Hydraulic Crawler <1 cy; Integrated Tool Carrier; Hydraulic Crawler 2+ cy; Loader Crawler 80+ HP; Trailer, Van; Scraper, Rubber Tire Elevating >15 cy; Salt Conveyor; Vertical Drill; Kettle, Bitumen Heater; Heater, Pre-Mix; Asphalt Patcher Machine; Self-Propelled Chip Spreader; Roller Attachment; 14' Tilt Top Trailer; Drum Roller 67+"; Tractor Loader-Box Blade; 4x4 Single Axle; Distributor Bitumen, Slip-in or Trailer; Sewer Jet; Welder Gas Driven; Oshkosh Snow Truck; Rubber Tire Roller 7 Wheel; Sign Truck; Fuel Truck; SUV; Car; End Dump Trailer; Sweeper, 4 Wheel Mechanical; Dozer 300+HP; Bucket Truck; 1-Ton Flatbed; Carry All; Centerline Paint Marker; Milling Head; Pump, Mud Paddle/Colloidal; Pull Scrapers; Trailer Rock Pup; Flex Wing Mower; Sheep's Foot Roller; Drum Roller <40"; Sign Maintenance Truck; Shop Service; Truck w/ Crane; 1-Ton Utility Truck; 1/2 Ton Pickup; Rock Crusher; Side Dump Trailer; Scraper <15 cy; Batwing Mower; Signal Lights w/ Trailer; Rock Retriever; Trailer; Homemade Trailer Pole; Steel Tankers; Forklift; Trailer, Pup; Single Axle, Sign; Truck; Batwing Mower; Bridge Inspection Unit; Asphalt, Main Screed >10 ft; Sweeper, 3 Wheel Mechanical; Sweeper, 4 Wheel Air; Pulverizer/Grinder; Crawler Tractor 450 HP; Concrete Saw 65 HP; Single Axle, Sign Truck; Lift Tractor; Single Axle Truck w/ Hiab Crane; Single Axle - Water/Sprayer; Single Axle - Bridge Crew; Single Axle - Welder; Flatbed Sign Truck w/ Crane; Brush Mower; Spray Truck; S/A Sign Truck with Digger Derrick; Trencher/Loader; 3/4 Ton Flatbed Truck; 3/4 Ton Pickup; 3/4 Ton Window Van; 1/2 Ton Window Van; Cutter, Stump; Mixer, Bitumen Recycler; Pump, Asphalt; Spade, Tree; Trailer-tank; Man Lift; 6" Pump; Distributor Water; Band Saw; Brake Lathe; Trailer 20 Ton; Trailer 25 Ton; Trailer Tanker 2400 Gal.; JD Tractor Model 300; Shoulder Maintainer/Miller; Brush Cutter; Boom Mower; Rotary Mower; Welder/Generator; Mixer; Gang Mower; Lab Trailer (Inspection Lab); Tractor Roller, Rubber Tired; Water Pump; Scraper; Road Scarifier/Mixer; Single Axle Truck, Utility Box, Hydraulic Arm; Single Axle Truck, Utility Box, Winch; Single Axle Spray Truck; Trailer, 5 Ton; Rock Retriever.

Leased equipment for counties included Motor Grader >135 HP, Wheel Loader 2 cy+, Mowing Tractor 65 HP+, Dozer 150 HP or less, Air Compressor 125-200 CFM, Motor Grader 135 HP or less, Hydraulic Wheeled Excavator 1-2 cy, Dragline >0.5 cy, Drum Roller 40-67", Scraper Rubber Tire Elevating, Skid Steer Loader, and Tractor Loader-Box Blade.

Type of Equipment	Percent Owned
Tandem Axle Dump Body	19.7%
Single Axle Dump Body	17.6%
Mowing Tractor, 65+ HP	6.7%
Trailer, Low Bed 15 Ton	6.1%
Wheel Loader, 2 cy or less	5.4%
Air Compressor, 125-200 CFM	4.2%
Attenuator, Crash Trk Mtd.	3.6%
Weed Sprayer	3.2%
Broom Attachment	3.1%
Roller Attachment	2.7%
Mowing Tractor, <45 HP	2.5%
Motor Grader, 135 HP or less	2.2%
Distributor Bitumen, Slip-in or Trailer	2.0%
Heater, Pre-Mix	1.8%
Snow Blower Attachment	1.3%
Washer, Hi-Power Water	1.3%
Breaker Pavement Attachment	1.1%
Other*	<1.0%

Table 14. Owned Equipment Distribution for the Iowa DOT

* Single Axle Flatbed; Tractor Loader-Backhoe; Drum Roller 40–67"; Semi-Tractor Trailer, Low Bed Semi; Skid Steer Loader, Wheel or Track; Machine, Asphalt Patcher; Milling Head; Brush Chipper; Filler, Crack; Pump, Mud Paddle/Colloidal; Saw, Concrete; Single Axle van body; Platform Boom (High-Reach); Loader Crawler 80 HP or less; Fully Equipped Paint Truck; Air Compressor 200+ CFM; Hydraulic Wheeled <1 cy; Vertical Drill; Tandem Axle Flatbed; Salt Conveyor; Signal, Speed Sensing Trailer Mtd.; Trailer, Van; Rubber Tire Roller 9 Wheel; Sweeper, 4 Wheel Mechanical; Bridge Inspection Unit; Hydraulic Crawler <1 cy; Drum Roller 67+"; Wheel Loader 2 cy +; Road Rating Machine; Sweeper Attachment; Asphalt, Main Screed > 10 ft; Dragline 1/2 cy or less; Driver, Pile or Pipe; Grapple Attachment, Loader; Machine, Slurry; Hydro-Seeder; Machine, Gunite; Profiler Machine; Centerline Paint Marker; Asphalt Spreader Miller; Bitumen Recycler Mixer; Asphalt Pump; Tree Spade; Power Rake Tiller; Belly Dump Trailer.

Leased equipment for the Iowa DOT included Mowing Tractor 65+ HP, Drum Roller 40-67", Drum Roller 67+", Asphalt Main Screed >10 ft, and Dump Body Trailer.

Type of Equipment	Percent Owned
Single Axle Dump Body	15.6%
Single Axle Van Body	12.5%
Mowing Tractor, <45 HP	12.5%
Skid Steer Loader, Wheel or Track	9.4%
Wheel Loader, 2 cy or less	6.3%
Mowing Tractor, 45-65 HP	6.3%
Tractor Loader-Backhoe	6.3%
Air Compressor, 125-200 CFM	6.3%
Single Axle Flatbed	3.1%
Platform Boom (High-Reach)	3.1%
Wheel Loader, 2 cy +	3.1%
Mowing Tractor, 65+ HP	3.1%
Brush Chipper	3.1%
Other*	<1.0%

Table 15. Owned Equipment Distribution for State Correctional Facilities

* None.

Leased equipment for state correctional facilities included Sewer Jet.

Equipment Use: Maintenance versus Construction

Table 16 demonstrates the percent use of equipment for purposes of maintenance or construction. It is clear to see that most of the equipment used by all respondents was used for maintenance (94.1%). Only approximately 5.9% of the respondents used the equipment for construction purposes. The Iowa DOT uses their equipment almost exclusively for maintenance (99.7%).

It should also be noted that equipment was used for purposes other than maintenance or construction. One respondent mentioned that their county used a trailer van for collecting items to be recycled. Other respondents did not identify for what other purpose the equipment was used for.

Respondent Type	Maintenance	Construction	Other
All entities surveyed	94.10%	5.86%	0.04%
Cities > 5,000	91.90%	8.10%	0.00%
Cities 2,000–5,000	89.30%	10.70%	0.00%
Cities < 2,000	95.90%	3.70%	0.40%
Counties	91.30%	8.60%	0.10%
Iowa DOT	99.70%	0.30%	0.00%
State correctional facilities	86.50%	13.50%	0.00%

Table 16. Percentage of Use for Maintenance and Construction

Table 17 identifies equipment used for construction purposes greater than or equal to 50% of the time. As can be expected, equipment such as asphalt pavers and road mixers would be primarily used for construction.

Respondent Type	Type of Equipment	Percent Construction Use		
	Road Mixer	80%		
	Water Tank Attachment	75%		
Cities > 5,000	Vac-Con Sewer Jet Vacuum	50%		
	Trailer, Tandem 12k	50%		
	Trailer, Tandem 6k	50%		
	Asphalt Paver, Main Screed 10 ft or less	100%		
Citize 2 000 5 000	Trailer, Low Bed 15 Ton	100%		
Cities 2,000–5,000	Tree Spade	80%		
	Power Rake Tiller	60%		
Cities < 2,000	None			
	Single Axle Truck - Utility Box	100%		
Counties	Welder Generator	100%		
	Crawler Tractor, 450 HP	75%		
	3/4 Ton Window Van	70%		
	Single Axle Truck - Bridge Crew	55%		
	Single Axle Truck, Welder	50%		
	6" Pump	50%		
Iowa DOT	Road Rating Machine	50%		
State correctional facilities	Air Compressor, 125-200 CFM	50%		

Table 17. Equipment with Greatest Construction Usage

Equipment Efficiency Usage

The survey allowed the researchers to determine the percentage usage of equipment if the respondents completed the worksheet (refer to the survey in Appendix B). This was calculated using a seasonal approach and equipment equivalents. Respondents were asked to indicate the equipment equivalents for each season for a group of similar equipment (e.g., single-axle dump body trucks). If the total number of equipment was 10, for example, then the maximum equipment equivalent value would be 40 (4 seasons x 10). If the respondent only used 30 equipment equivalents for all four seasons, then the efficiency would be 75% (30/40). Note that this is a very approximate method for determining equipment efficiency. A more rigorous approach would have required a more detailed accounting for each piece of equipment. It was decided early on that this more detailed approach was beyond the scope of this study. In addition, these results should be used with caution since, in general, a small percentage of respondents provided this information. Table 18 shows data related to the average percent of equipment usage.

Respondent Type	Number of Pieces of Equipment Reported (Percent of Total)	Minimum Usage	Maximum Usage	Average Percent of Equipment Usage
Cities > 5,000	540 (34%)	17%	100%	81%
Cities 2,000–5,000	78 (24%)	25%	100%	88%
Cities < 2,000	29 (14%)	25%	100%	42%
Counties	540 (13%)	2.5%	100%	88%
Iowa DOT	2,762 (100%)	75%	100%	92%
State correctional facilities	28 (93%)	25%	100%	92%

Table 18. Equipment Usage	Table	18.	Equ	ıipm	ent	Usage
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Respondent Comments

Part 2 of the survey asked respondents for innovative suggestions or good practices for equipment procurement and use. Respondent comments are listed below by their respective entity classification.

Cities with Populations Greater Than 5,000

- I believe organizations/individual needs differ a great deal. Equipment specifications are a must to guaranty your organizations satisfaction in usage and cost of the equipment you purchase.
- Get input from the employees who use the equipment. Be sure you do research and get everything in your specs.

- Hours and age are used for equipment procurement and use.
- The department policy is to spec. equipment and get quotations from two if not three equipment dealers.
- We almost always get sealed bids, unless we purchase equipment on an Iowa DOT contract.
- Equipment owned 40+ years by city.

Cities with Populations 2,000–5,000

• Buy used from the Iowa DOT in Ames. Piggyback on state bids. Competitive bids.

Cities with Populations Less Than 2,000

- Use option tax to purchase equipment.
- We purchase used equipment, first checking with the Iowa DOT in Ames and second with local surrounding dealers, comparing trade-in and purchase prices.
- We buy most of our equipment through the state yard or surplus property.
- Since we are a small community we have to buy used equipment. Thus we have to have a good maintenance program—servicing our old equipment. Simply routine maintenance, know your equipment, a watchful eye and keep sheltered if possible.
- Our community utilizes our tractor for multi-purposes. We mow large areas of land around drainage ditches and lagoon but also use it to push snow and load snow. We borrow extra attachments and keep our cost down by buying good used attachments. We do the same with our dump truck, which is multi-use. The Buchanan County Road Department and Buchanan County Conservation share their equipment on a need policy for short-term projects.

Counties

- We do like the opportunities to be included in Iowa DOT equipment purchases. (1) Majority of machines are CAT (maintainers, dozers) or J.D. (hoes, mowers, loaders), which cuts back on filters, hoses, specialty tools, etc. in maintenance of machines. (2) Integrated tool carrier is end loader/all terrain forklift.
- I feel that counties benefit greatly through ability to direct purchase option. Disagree with state acceptance of low bid quotes as I do not feel the public is getting the long-term benefit/use that may be achieved with another option. That is, maintenance costs, repair costs, trade-in values are very important in calculating the total cost to the public for a piece of equipment.
- Cleanliness, good service, oil samples, think safety and walk around inspections before starting equipment.
- Only buy what you can use for more than six months and rent equipment from dealer or borrow from another county by trading equipment around.
- Taking the cheapest bid is not necessarily the best. Our machines are bought for the long term, therefore parts and service should be considered. Only quality machines should be bid.

- (1) Sharing equipment with border counties. (2) Buy American equipment. (3) Joint purchasing power. (4) Web site for all government surplus equipment.
- Let home rule work!
- All trucks are capable at functioning as snow removal units except for some tractors, pickups, and one-ton trucks. We have two tandem-axle trucks equipped with a stellar hook lift unit that helped replace a flatbed, water truck, and slide in material spreader with modular units that can be shared between trucks.
- Do not allow deviations from specifications by formal bidders. Direct purchase will often allow consideration of warranty work, availability of options at little or no cost and preclude the necessity of making specifications fit all bidders.
- Lowest price is not always a good thing. Let your operators have some input.
- Purchase with neighboring county for low-use machines.

State Agencies That Receive Road Use Tax Moneys

• No comments.

CONCLUSIONS AND RECOMMENDATIONS

Conclusions

Results show that most of the purchased equipment is used primarily for maintenance (94%). Approximately 5.6% of the equipment is for construction. Most of the equipment is purchased instead of leased (99% versus 1%). Procurement policies depend on the responding organization. For example, larger agencies tend to use a formal bid approach as opposed to smaller cities that purchase equipment used. Efficiency of use seemed to be relatively high with usage percentages around 80% on average. Smaller cities had lower efficiency percentages.

Recommendations

A few recommendations are provided to enhance the procurement process for agencies receiving road use tax funds:

- In order to encourage equipment sharing between agencies, a list of equipment could be made available from each so that other entities can have access. This could increase the equipment utilization rates by all entities. For smaller cities in particular equipment sharing might be one way to increase efficiency.
- Another recommendation is for entities to consider using lowest life-cycle cost instead of lowest initial bid price as the basis for procurement selection.

REFERENCES

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Iowa Department of Transportation (Iowa DOT). 2001c. Self-Propelled "A" Equipment Classes. Ames, Iowa: Iowa DOT.

APPENDIX A

2001 Iowa Acts, Chapter 32, Section 12, Subsections 1 and 2 (House File 324, 2001 Session)

2001 IOWA ACTS, CHAPTER 32, SECTION 12—DEPARTMENT REVIEW OF CERTAIN HIGHWAY PROJECT PROCEDURES AND EQUIPMENT USE—RULES

Subsection 1

The rules adopted by the department pursuant to section 314.1A, as enacted in this Act, shall be in draft form prior to December 31, 2002, and shall specifically define the terms "construction", "reconstruction", "improvement", and "repair or maintenance" as such terms relate to highway, bridge, and culvert projects.

"*Construction*" means the building or development of a road, street, bridge, or culvert in a new location when (1) the new location deviates substantially from the existing alignment and (2) the result is an entirely new road or street for the greater part of the length of the project.

"Reconstruction" means a significant change to the existing type of road, street, bridge, or culvert or its geometric or structural features. Some realignment and the sue of current design criteria may be involved.

"Improvement" means a betterment to a road, street, bridge, or culvert. The work increases the value of the facility and enhances the facility, its traffic operations or its safety beyond the original design. The work would be so extensive as to be classified as construction or reconstruction, but it could involve rehabilitation, restoration, or resurfacing (3R) work.

"Repair or maintenance" means the preservation of a road, street, bridge, or culvert so that it is in sound or proper condition. The work may include minor replacements and additions necessary to restore the road, street, bridge, or culvert to its originally built condition with essentially the same design.

Subsection 2

The department shall review the highway and street construction and maintenance equipment procurement policies and the use of such equipment by all entities receiving road use tax fund moneys. The department shall report its findings, and any recommendations regarding potential efficiencies and cost savings in the procurement and use of such equipment, to the general assembly by December 31, 2002. The department shall consult with public and private entities in reviewing the procurement policies and use of equipment and in formulating the department's recommendations.

APPENDIX B

Iowa Construction and Maintenance Equipment Survey



January 28, 2002

MEMORANDUM TO PUBLIC AND PRIVATE ENTITIES

FROM: Mark F. Wandro, Director

SUBJECT: Survey of Equipment Procurement Policies

House File 324, Section 12, as passed by the Iowa General Assembly in the 2000-2001 session, required the Iowa Department of Transportation (DOT) to conduct a study of all Iowa entities receiving road use tax funds to determine how they procure and use highway and street construction and maintenance equipment. The report is due to the Legislature by December 31, 2002.

To gather the needed equipment procurement information, the DOT has retained Iowa State University's Center for Transportation Research and Education (CTRE). The enclosed survey was developed with input and guidance from the following people:

John Klostermann, Street/Sewer Maintenance Supervisor, City of Dubuque Larry Mattusch, Scott County Engineer Dwayne McAninch, President, McAninch Corporation Larry Jesse, Director, DOT Office of Local Systems Carol Coates, Director, DOT Office of Procurement and Distribution

I am requesting your cooperation in providing the information needed to report to the Legislature. This survey is *not* related to development of a standardized purchasing policy. It is being sent to officials in all 99 counties, all cities with a population greater than 5,000, a total of 100 randomly selected cities with a population between 2,000 and 4,999, a total of 100 randomly selected cities with a population less than 2,000, the Iowa Department of Natural Resources, the Iowa Department of Corrections, and the Board of Regents.

A paper copy of the survey and a diskette with an electronic version are enclosed, along with the definitions and instructions. The Excel spreadsheet includes imbedded equations that will help you estimate equipment usage consistently. Please complete and return either the paper or electronic survey by Friday, March 1, 2002. A stamped, self-addressed envelope is also enclosed. January 28, 2002 Page 2

If you have any questions, you may contact one of the following project managers: Dr. Ed Jaselskis, associate professor of civil engineering at Iowa State University, 515-294-0250, ejaselsk@iastate.edu; Stephen Andrle, director of CTRE, 515-294-8103, andrle@iastate.edu; or Larry Jesse of the DOT's Office of Local Systems, 515-239-1291, larry.jesse@dot.state.ia.us.

Thank you in advance for your participation in this survey.

MFW:et

Enclosures

cc: Stephen Andrle, Director Center for Transportation Research and Education 2901 South Loop Drive, Suite 3100 Ames, IA 50010-8632

> Dr. Edward J. Jaselskis 450 Town Engineering Building Iowa State University Ames, IA 50011

Larry Jesse, Director, Office of Local Systems Iowa Department of Transportation 800 Lincoln Way Ames, IA 50010

Survey Definitions

Equipment: self propelled equipment and non-self propelled equipment (listed separately in the survey, and not including snow and ice control equipment or truck bodies) *with a purchase or replacement value of more than \$5,000*.

If a category of equipment that you own or lease is not included, please add it at the end of the self propelled or non-self propelled equipment list, as appropriate.

Maintenance: preservation of a road, street, bridge, or culvert so that it is in sound or proper condition. For purposes of the survey, maintenance includes

- minor repair, replacements, and additions necessary to restore the road, street, bridge, or culvert to its originally built condition with essentially the same design, and
- removal of snow and ice from roadways and other winter maintenance activities.

Construction: improvement, reconstruction, or new construction of a road, street, bridge, or culvert. For purposes of the survey, construction includes

- work that increases the value of the facility and enhances the facility, its traffic operations, or its safety beyond the original design and may involve rehabilitation, restoration, or resurfacing (3R) type projects;
- work that significantly changes the existing type of road, street, bridge, or culvert or its geometric and structural features and may involve some realignment and use of current design criteria; and
- the building or development of a road, street, bridge, or culvert in a new location when the new location deviates substantially from the existing alignment and the result is an entirely new road or street for the greater part of the length involved.

Equipment equivalent (see Worksheet and Worksheet Instructions, pages 4–5 of these instructions): the number of pieces of equipment **in use.**

Survey Instructions

These instructions apply to both versions of the survey. If you have questions about the Excel version, contact Ali Kamyab, 515-294-4303, kmb@iastate.edu. If you have questions about completing the paper survey, contact Ed Jaselskis, 515-294–0250 or -0727, ejaselsk@iastate. edu.

Special notes regarding the Excel file:

- 1. The electronic survey is provided in Microsoft Excel 2000 format. If you cannot open the file, we may be able to provide a different format. Contact Ali Kamyab, 515-294-4303, kmb@iastate.edu.
- 2. To move between Parts 1, 2, and 3 of the survey, click on the appropriate tab at the bottom of the spreadsheet.

Part 1. Equipment Procurement and Use Information

Column 1: On the paper survey, enter the number of pieces of equipment that your organization owned in 2001; that is, equipment for which you have title or a sales receipt on file. If none, leave columns 1–5 blank. (On the Excel survey, leave column 1 blank; a formula in the spreadsheet will calculate this total.)

Columns 2, 3, 4, and 5: Of the number owned in 2001 (column 1), enter the number of new pieces purchased through (2) formal bid, (3) direct purchase, or (4) an existing contract, respectively, and then the number (5) purchased used.

(2) *Formal bid:* New equipment was purchased through a formal bidding process in which specifications were issued and competitive bids were formally received and opened.

(3) *Direct purchase:* New equipment was purchased without going through a bidding process. Informal price quotations may have been requested or new equipment purchased from a typical supplier.

(4) *Existing contract:* New equipment was purchased through state contract or other cooperative, volume purchase arrangement.

(5) Purchased used: Used equipment was purchased directly or at auction.

Column 6: On the paper survey, enter the number of pieces of equipment that your organization leased in 2001; that is, equipment for which you have a lease or rental contract. If none, leave columns 6 through 9 blank. (On the Excel survey, leave column 6 blank; a formula in the spreadsheet will calculate this total.)

Columns 7, 8, and 9: Of the number leased in 2001 (column 6), enter the number of pieces (7) leased for more than six months with a maintenance contract, (8) leased for more than six months with no maintenance contract, and (9) rented for six months or less, respectively.

Column 10: Enter the total number of pieces of equipment; that is, add number owned (column 1) and number leased (column 6). (The Excel spreadsheet calculates this total.)

Columns 11 and 12: For the total pieces of equipment (column 10), enter estimated "percents of use" for (11) maintenance and for (12) construction, respectively, in 2001.

Note: These percents should reflect only equipment *in use* (not idle) in 2001. The percents in columns 11 and 12 for each item of equipment *must total 100*.

Note about Worksheet: The attached Worksheet (page 4) with instructions (page 5) might help you estimate "percents of use." If you use the Worksheet in the Excel file, the Worksheet will automatically calculate percents of use for you; click on the field under "Click to Calculate Percent Use" and complete the electronic Worksheet as described in the instructions (page 5).

Use the Worksheet only if you find it helpful. You can estimate the percents and enter them in columns 11 and 12 without the Worksheet on both the paper and Excel versions of the survey.

Part 2. Innovative Suggestions or Good Practices for Equipment Procurement and Use Provide any suggestions or good practices regarding equipment procurement and use that you would recommend to others (on the survey form).

Part 3. Respondent Information

Please include this information on the survey form. It will be useful if we need to follow up on any of your responses.

Return the completed survey in the enclosed self-addressed, stamped envelope or diskette mailer.

Please keep a back-up copy.

Worksheet for Determining Percents of Use (columns 11 and 12)

Note: If you can estimate annual percents of use without the Worksheet below (also available on the Excel file), **that's fine.** However, you may find the Worksheet helpful because it will help you adjust for seasonal variations in equipment use. The instructions on the following page are the same for both the paper and Excel Worksheets.

If you use the following Worksheet to complete the paper survey, first make enough copies for all categories of equipment your organization leased or owned in 2001.

Equipment Line No.: _____ Equipment Description: _____

		Equipment Equivalents (by Use)					
	Maintenance	Construction	equipment in the category)				
Winter							
Spring							
Summer							
Fall							
Total	(a)	(b)	(c)				

Maintenance Percent of Use = (Total Maintenance Equip. Equiv. (a) divided by Total Equip. Equiv. (c)) x 100

Construction Percent of Use = (Total Construction Equip. Equiv. (b) divided by Total Equip. Equiv. (c)) x 100

Worksheet Instructions

The Worksheet uses the concept of "equipment equivalents." An equipment equivalent is the number of pieces of equipment **in use**. It can be a whole number or a fraction (e.g., 1 or 1.5). A zero indicates equipment has been idle. Use your "best guess" estimates.

On the Worksheet for each category of equipment,

- 1. Enter estimated equipment equivalents in the maintenance column and the construction column for each season.
- 2. Total the equipment equivalents for each season (each row). (Note: Each seasonal total cannot exceed the number of pieces of equipment in the category.)
- Total the column of equipment equivalents for (a) maintenance and for (b) construction. Total the (c) seasonal equipment equivalents.
- 4. Calculate maintenance percent of use = a/c x 100. Calculate construction percent of use = b/c x 100.
 Enter these percentages in columns 11 and 12, respectively, on the survey. (Excel will calculate the percents and enter them in columns 11 and 12.)

Sample Worksheet

In the following example, an organization had 10 single-axle, dump body trucks in 2001. The estimated number of equipment equivalents has been entered in each use category by season. In winter, for example, all 10 trucks were used for maintenance; in summer, 8 were used for construction. Zeros indicate no equipment was used for that purpose. In this example, the most each row (season) can add up to is 10. (If the organization had 20 single-axle, dump body trucks, the maximum would be 20.)

Equipment Line No.: 1 Equipment Description: Trucks, single axle, dump body

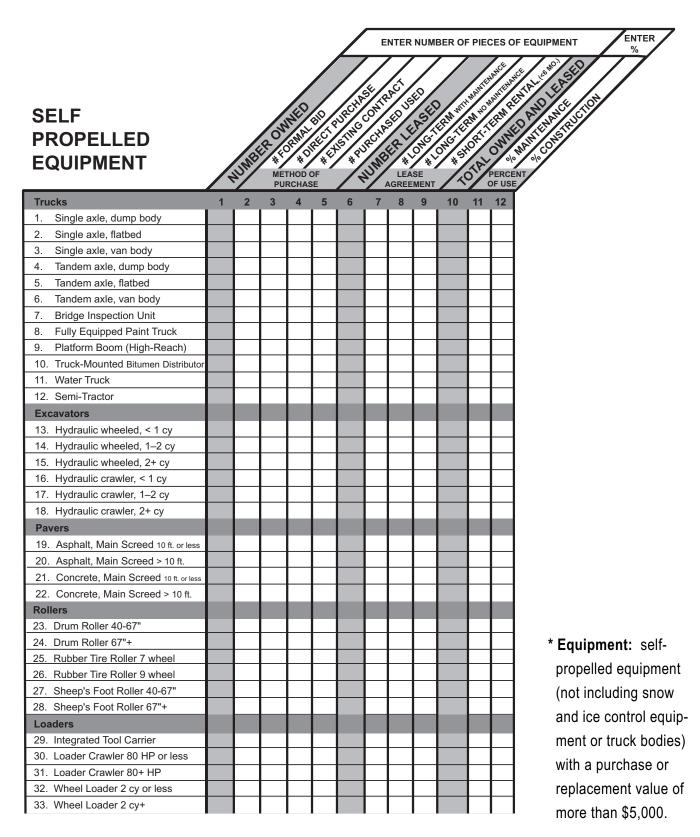
		Equipment Equivalents (by Use)							
			equipment in the						
	Maintenance	Construction	category)						
Winter	10	0	10						
Spring	8	2	10						
Summer	2	8	10						
Fall	5	3	8						
Total	(a) 25	(b) 13	(c) 38						

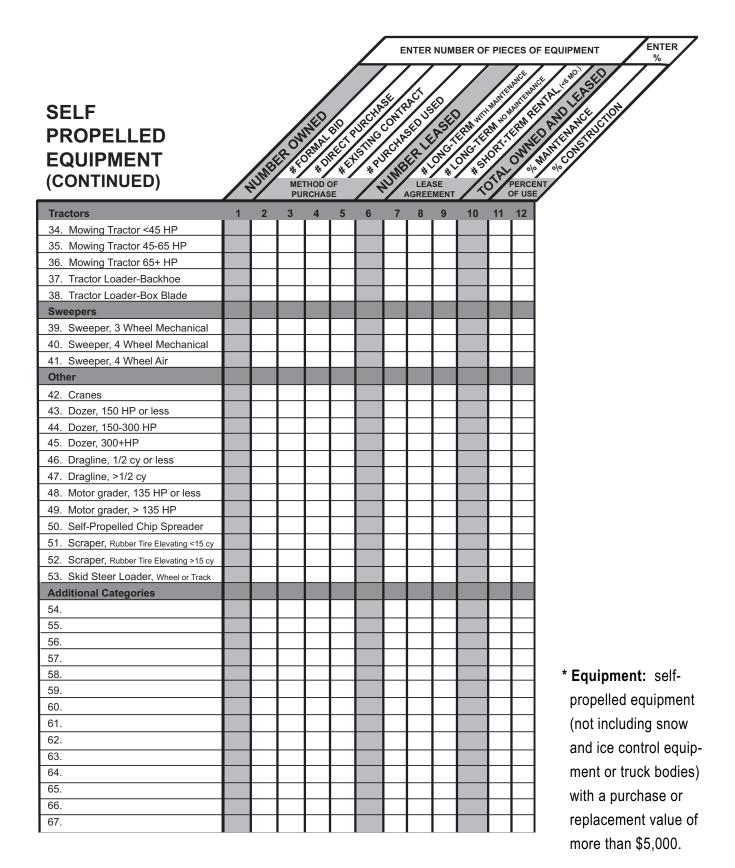
Maintenance Percent of Use = 25/38, or 66 percent.

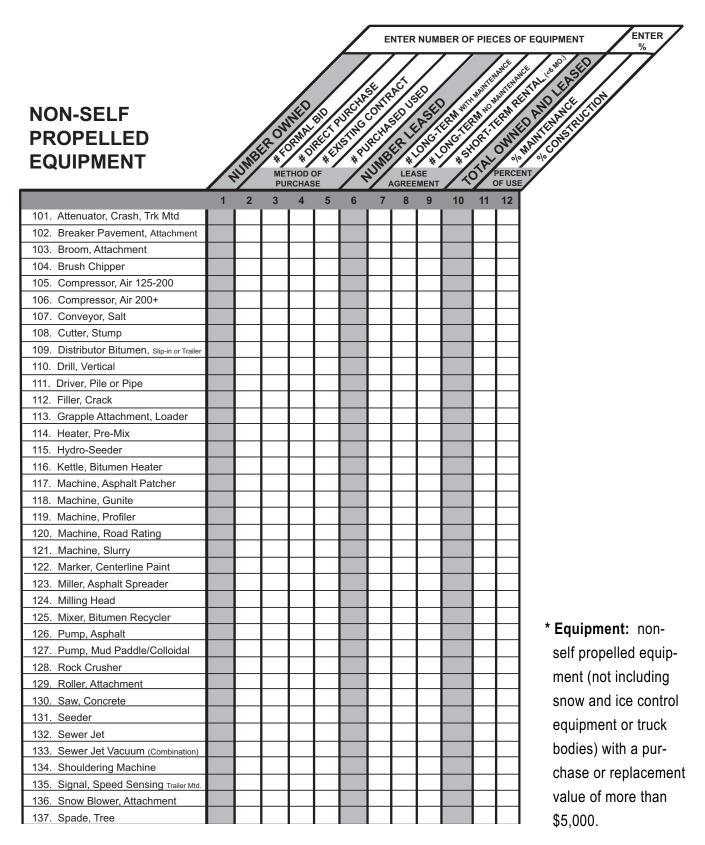
(Total Maintenance Equip. Equiv. (a) divided by Total Equip. Equiv. (c)) x 100 **Construction Percent of Use** = 13/38, or **34** percent.

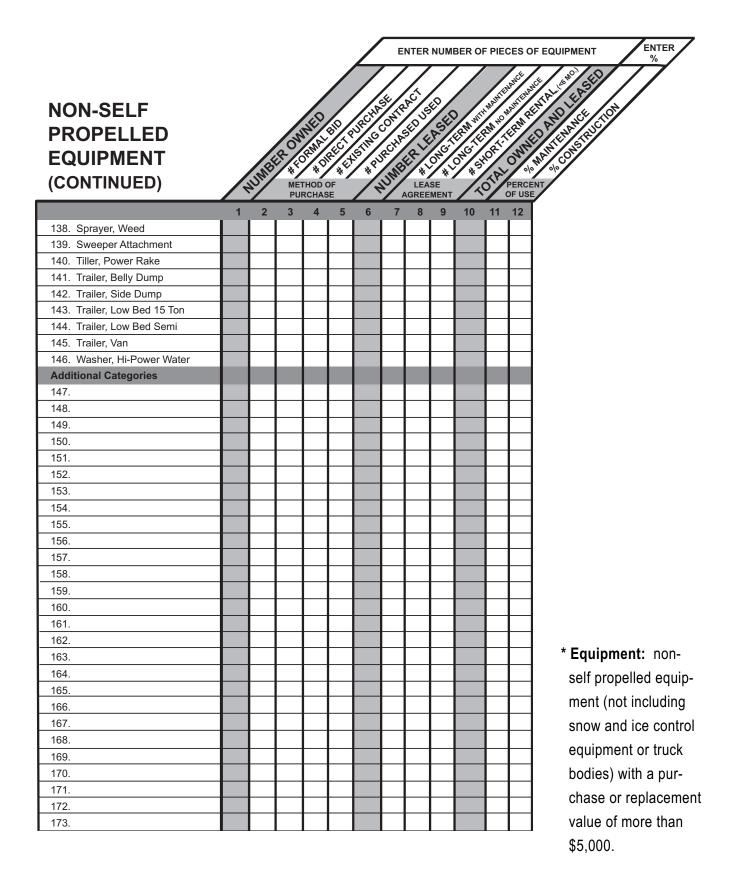
(Total Construction Equip. Equiv. (b) divided by Total Equip. Equiv. (c)) x 100

Part 1. Equipment* Procurement and Use Information









Part 2. Innovative Suggestions or Good Practices for Equipment Procurement and Use

Part 3. Respondent Information
Name:
Title:
Organization:
Street Address:
City/Zip Code:
Telephone Number:
Fax Number:
E-mail:
Please keep a back-up copy of the completed survey, either electronic or paper.
Return the original in the enclosed postage-paid envelope or diskette mailer by March 1, 2002, the

Center for Transportation Research and Education Iowa State University Research Park 2901 S. Loop Drive, Suite 3100 Ames, IA 50010-8632

Thank you for participating.

APPENDIX C

Equipment Procurement and Utilization Study Data File

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ID Entity	Ture	E	Jip. Type of Equipment		5 10 ⁻² 10 ⁻² 4 - 2 ⁻² 4 - 2 ⁻²	*1019 * 5101 10 100		·
ID Entity 121 City of Massena	Туре	Pop. L 54	Type of Equipment 37 Tractor Loader-Backhoe		Contraction of the second seco	1.5101 # 5701 010 000		
172 City of Blanchard	City City	54 61	0 Not Applicable	0	0			
202 City of Knierim	City	70	1 Single Axle, Dump Body	1 1	1 0		1 100 0 0	
202 City of Knierim	City	70	34 Mowing Tractor <45 HP		0		1 100 0 0	
202 City of Knierim	City	70	138 Sprayer, Weed	1 1	0		1 100 0 0	
3 City of Dolliver	City	77	0 Not Applicable	0	0		0	
157 City of Thornburg	City	84	0 Not Applicable	0	0		0	
171 City of Ackworth	City	85	0 Not Applicable	0	0		0	
1 Town of Gibson	City	92	0 Not Applicable	0	0		0	
201 Town of Grant	City	102	0 Not Applicable	0	0		0	
188 City of Cylinder	City	110	0 Not Applicable	0 2 2	2 0		2 100 0 0	
156 City of St. Ansgar 156 City of St. Ansgar	City City	118 118	1 Single Axle, Dump Body 37 Tractor Loader-Backhoe	2 2	-		2 100 0 0 1 100 0 0	
156 City of St. Ansgar	City	118	37 Tractor Loader-Backhoe 38 Tractor Loader-Box Blade				1 100 0 0	
156 City of St. Ansgar	City	118	39 Sweeper, 3 Wheel Mechanical		1 0		1 100 0 0	
156 City of St. Ansgar	City	118	48 Motor grader, 135 HP or less	1 1			1 100 0 0	
156 City of St. Ansgar	City	118	64 Mower	1 1	0		1 100 0 0	
250 City of North Washington	City	118	0 Not Applicable	0	0		0	
19 City of Cromwell	City	120	38 Tractor Loader-Box Blade	1 1	0		1 100 0 0	
54 Town of North Buena Vista	City	124	0 Not Applicable	0	0		0	
199 Pleasant Plain	City	131	0 Not Applicable	0	0		0	
102 City of Oyens	City	132	0 Not Applicable	0	0		0	
242 City of Brunsville	City	146 159	0 Not Applicable	0	0		0	
153 City of Welton 182 City of Goodell	City City	159	0 Not Applicable 0 Not Applicable	0	0		0	
61 City of Lincoln	City	174	0 Not Applicable	0	0		0	
49 City of Delaware	City	188	1 Single Axle, Dump Body	1 1	1 0		1 100 0 0	
49 City of Delaware	City	188	48 Motor grader, 135 HP or less	1 1			1 100 0 0	
26 City of Barnum	City	195	0 Not Applicable	0	0		0	
251 City of Stout	City	217	0 Not Applicable					
190 City of Rowan	City	218	0 Not Applicable	0	0		0	
125 City of Hanlontown	City	229	1 Single Axle, Dump Body	1 1	0		1 100 0 0	
125 City of Hanlontown	City	229	34 Mowing Tractor <45 HP		0		1 100 0 0	
125 City of Hanlontown 21 City of Blencoe	City City	229 231	48 Motor grader, 135 HP or less 0 Not Applicable	1 1	1 0		1 100 0 0	
151 City of Elberon	City	231	0 Not Applicable 0 Not Applicable	0	0		0	
159 City of Bertram	City	243	0 Not Applicable	0	0		0	
158 City of Davis City	City	275	0 Not Applicable	0	0		0	
46 City of Stockport	City	284	34 Mowing Tractor <45 HP	1 1	0		1 100 0 0	
152 City of Rowley	City	290	0 Not Applicable	0	0		0	
44 City of Rhodes	City	294	1 Single Axle, Dump Body	1 1	1 0		1 100 0 0	
86 City of Keswick	City	295	38 Tractor Loader-Box Blade	1 1	0		1 100 100 0 0	
45 City of Farmersburg	City	300	1 Single Axle, Dump Body	2 2	•		2 100 0 0	
45 City of Farmersburg	City	300	38 Tractor Loader-Box Blade	1 1			1 100 0 0	
48 City of Lutton	City	305 305	1 Single Axle, Dump Body	2 2			2 100 0 0 1 100 0 0	
48 City of Lutton 40 City of Libertyville	City City	305	38 Tractor Loader-Box Blade 0 Not Applicable	0	0		1 100 0 0	
27 City of Harcourt	city	340	34 Mowing Tractor <45 HP		0		1 100 0 0	
210 City of Lacona	City	360	1 Single Axle, Dump Body		1 0		1 50 50 0	
210 City of Lacona	City	360	36 Mowing Tractor 65+ HP		1 0		1 20 30 50	
210 City of Lacona	City	360	38 Tractor Loader-Box Blade	1 1	1 0		1 40 40 20	
210 City of Lacona	City	360	48 Motor grader, 135 HP or less	1 1	1 0		1 25 75 0	
175 City of Melo	City	365	1 Single Axle, Dump Body	2 2	0		2 100 0 0	
175 City of Melo	City	365	37 Tractor Loader-Backhoe	1	0		1 100 0 0	
18 City of Letts	City	392	34 Mowing Tractor <45 HP	1	1 0		1 100 0 0	
18 City of Letts	City	392	105 Compressor, Air 125-200	1	1 0		1 100 0 0	
18 City of Letts	City	392 402	138 Sprayer, Weed		1 0		1 100 0 0 1 100 0 0	
99 City of Elliott 99 City of Elliott	City City	402	1 Single Axle, Dump Body 34 Mowing Tractor <45 HP		0		1 100 0 0 1 100 0 0	
99 City of Elliott	City	402	34 Mowing Tractor <45 HP 38 Tractor Loader-Box Blade		1 0		1 100 0 0	
99 City of Elliott	City	402	39 Sweeper, 3 Wheel Mechanical	1 1	1 0		1 100 0 0	
99 City of Elliott	City	402	48 Motor grader, 135 HP or less		1 0		1 100 0 0	
	City	418	1 Single Axle, Dump Body	1 1			1 100 0 0	
47 City of Churdan	City	418	34 Mowing Tractor <45 HP	1 1	1 0		1 100 0 0	
47 City of Churdan		418	37 Tractor Loader-Backhoe	1 1	U U		1 100 0 0	
47 City of Churdan 47 City of Churdan	City							
47 City of Churdan 47 City of Churdan 100 City of Lewis	City City	438	1 Single Axle, Dump Body	11	1 0		1 82 18 0	
47 City of Churdan 47 City of Churdan 100 City of Lewis 100 City of Lewis	City City City	438 438	1 Single Axle, Dump Body 34 Mowing Tractor <45 HP		1 0		1 100 0 0	
47 City of Churdan 47 City of Churdan 100 City of Lewis 100 City of Lewis 100 City of Lewis	City City City City	438 438 438	1 Single Axle, Dump Body 34 Mowing Tractor <45 HP 37 Tractor Loader-Backhoe	1 1	1 0 1 0		1 100 0 0 1 75 25 0	
47 City of Churdan 47 City of Churdan 100 City of Lewis 100 City of Lewis	City City City	438 438	1 Single Axle, Dump Body 34 Mowing Tractor <45 HP		1 0		1 100 0 0	

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ID Entity	-		Equip.	
ID Entity 200 City of Breda	Type City	Pop. 477	Line Type of Equipment 1 Single Axle, Dump Body	
200 City of Breda	City	477	32 Wheel Loader 2 cy or less	
200 City of Breda	City	477	34 Mowing Tractor <45 HP	
200 City of Breda	City	477	37 Tractor Loader-Backhoe	1 1 0 1 95 5 0
200 City of Breda	City	477	40 Sweeper, 4 Wheel Mechanical	
200 City of Breda 200 City of Breda	City City	477	112 Filler, Crack 138 Sprayer, Weed	
189 City of Buck Grove	City	503	0 Not Applicable	
81 City of Ellsworth	City	531	1 Single Axle, Dump Body	
81 City of Ellsworth	City	531	34 Mowing Tractor <45 HP	1 1 0 0 1 25 100 0 0
81 City of Ellsworth	City	531	35 Mowing Tractor 45-65 HP	
81 City of Ellsworth 81 City of Ellsworth	City City	531 531	37 Tractor Loader-Backhoe 39 Sweeper, 3 Wheel Mechanical	1 1 0 1 25 100 0 0 1 1 0 1 25 100 0 0
81 City of Elisworth 81 City of Elisworth	City	531	48 Motor grader, 135 HP or less	
81 City of Ellsworth	City	531	138 Sprayer, Weed	1 1 1 0 1 25 100 0 0
39 City of Doon	City	533	1 Single Axle, Dump Body	
39 City of Doon	City	533	11 Water Truck	
39 City of Doon 39 City of Doon	City City	533 533	33 Wheel Loader 2 cy + 34 Mowing Tractor <45 HP	1 1 0 1 100 0 2 2 0 2 100 0 0
39 City of Doon 39 City of Doon	City	533	40 Sweeper, 4 Wheel Mechanical	
39 City of Doon	City	533	132 Sewer Jet	
97 City of Burt	City	556	48 Motor grader, 135 HP or less	
97 City of Burt	City	556	53 Skid Steer Loader, Wheel or Track	
97 City of Burt 25 City of Quasqueton	City	556 574	136 Snow Blower, Attachment	1 1 0 1 100 0 0 1 1 0 1 75 25 0
25 City of Quasqueton 25 City of Quasqueton	City City	574	1 Single Axle, Dump Body 38 Tractor Loader-Box Blade	
30 City of Anthon	City	649	1 Single Axle, Dump Body	
30 City of Anthon	City	649	2 Single axle, flatbed	1 1 0 1 100 0 0
30 City of Anthon	City	649	9 Platform Boom (High-Reach)	
30 City of Anthon 30 City of Anthon	City	649 649	33 Wheel Loader 2 cy + 103 Broom, Attachment	
30 City of Anthon 30 City of Anthon	City City	649	130 Saw, Concrete	
30 City of Anthon	City	649	138 Sprayer, Weed	
204 City of Hospers	City	672	1 Single Axle, Dump Body	
204 City of Hospers	City	672	34 Mowing Tractor <45 HP	2 2 0 2 100 0 0
204 City of Hospers 236 City of Pleasant Plain	City City	672 687	39 Sweeper, 3 Wheel Mechanical 0 Not Applicable	1 1 0 1 100 0 0 0 0 0 0 0 0 0 0 0
137 City of Underwood	City	688	1 Single Axle, Dump Body	
137 City of Underwood	City	688	36 Mowing Tractor 65+ HP	
154 Cit of Ruthven	City	711	0 Not Applicable	
73 City of Clermont	City	716	1 Single Axle, Dump Body	
73 City of Clermont 73 City of Clermont	City	716 716	2 Single axle, flatbed 36 Mowing Tractor 65+ HP	1 1 0 1 100 0 0 1 1 0 1 100 100 0 0
73 City of Clermont 73 City of Clermont	City City	716	103 Broom, Attachment	
73 City of Clermont	City	716	132 Sewer Jet	
225 City of Sioux Rapids	City	720	1 Single Axle, Dump Body	1 1 0 1 25 100 0 0
225 City of Sioux Rapids	City	720	2 Single axle, flatbed	
225 City of Sioux Rapids 225 City of Sioux Rapids	City City	720 720	23 Drum Roller 40–67" 33 Wheel Loader 2 cy +	1 1 0 1 25 100 0 0 1 1 0 1 25 100 0 0
225 City of Sloux Rapids 225 City of Sloux Rapids	City	720	33 Wheel Loader 2 cy + 34 Mowing Tractor <45 HP	
225 City of Sioux Rapids	City	720	39 Sweeper, 3 Wheel Mechanical	1 1 0 1 25 100 0 0
225 City of Sioux Rapids	City	720	48 Motor grader, 135 HP or less	1 1 0 1 25 100 0 0
150 City of Dunkerton	City	749	0 Not Applicable	
101 City of Walker 101 City of Walker	City City	750 750	1 Single Axle, Dump Body 36 Mowing Tractor 65+ HP	2 2 0 2 100 0 1 1 0 1 100 0 0
208 City of Dayton	City	884	1 Single Axle, Dump Body	
208 City of Dayton	City	884	34 Mowing Tractor <45 HP	
208 City of Dayton	City	884	37 Tractor Loader-Backhoe	1 1 0 0 1 95 5 0
208 City of Dayton	City	884	40 Sweeper, 4 Wheel Mechanical	
208 City of Dayton 56 City of Rockford	City City	884 907	48 Motor grader, 135 HP or less 1 Single Axle, Dump Body	
56 City of Rockford	City	907	34 Mowing Tractor <45 HP	
56 City of Rockford	City	907	38 Tractor Loader-Box Blade	
56 City of Rockford	City	907	39 Sweeper, 3 Wheel Mechanical	1 1 0 1 100 0 0
56 City of Rockford	City	907	114 Heater, Pre-Mix	
95 City of Dakota City 95 City of Dakota City	City City	911 911	1 Single Axle, Dump Body 48 Motor grader, 135 HP or less	3 3 0 3 100 0 0 1 1 0 1 100 0 0 0
124 City of Riverside	City	911	1 Single Axle, Dump Body	
124 City of Riverside	City	928	34 Mowing Tractor <45 HP	
124 City of Riverside	City	928	35 Mowing Tractor 45-65 HP	1 1 0 1 100 0 0
124 City of Riverside	City	928	38 Tractor Loader-Box Blade	

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10	Entity City of Riverside	Type City	Pop. 928	Line	Type of Equipment Compressor, Air 125-200	X_X_X_X_X_X	~~~ \%· \%	* * * /* /*	50 50 0	(
		City	928		Conveyor, Salt	2 2	0			I.
124		City	928		Sprayer, Weed	1	1 0	1	100 0 0	I.
103	City of Shellsburg	City	938	1	Single Axle, Dump Body	2 1	1 0	2	2 100 0 0	
		City	938		Wheel Loader 2 cy +	1 1	0	1	1 100 0 0	
		City City	938 1052		Mowing Tractor <45 HP Damaged Disk	1 1	0	1	100 0 0	I.
		City	1052		Single Axle, Dump Body	1 1	0		100 0 0	I.
		City	1064		Mowing Tractor <45 HP	3 3	0		3 100 0 0	
98	City of Eddyville	City	1064	37	Tractor Loader-Backhoe	1 1	0	1		
252	City of Winfield	City	1131	1	Single Axle, Dump Body	1	1		1	I
252	City of Winfield	City	1131		Single axle, flatbed	1 1				I
		City	1131 1131		Tractor Loader-Box Blade Sweeper, 4 Wheel Air	1 1			1 60 40 0 1 60 40 0	1
		City City	1131		Motor grader, 135 HP or less		1		1 100 0 0	
		City	1139	1	Single Axle, Dump Body	2 1	1 0	2	2 100 0 0	
55	City of Marcus	City	1139	33	Wheel Loader 2 cy +	2 2	0	2	2 100 0 0	
55		City	1139	39	Sweeper, 3 Wheel Mechanical		1 0		100 0 0	
		City	1139 1139		Compressor, Air 125-200	1 1	0		1 100 0 0 1 100 0 0	
55		City City	1139	112	Filler, Crack Kettle, Bitumen Heater		0		100 0 0	
		City	1139		Marker, Centerline Paint	1 1	0		100 0 0	
		City	1177	1	Single Axle, Dump Body	2 2	0	2	2 50 100 0 0	
		City	1177		Mowing Tractor <45 HP	2 2	0	2	2 25 100 0 0	
		City	1177		Tractor Loader-Backhoe	1 1	0		25 100 0 0	
		City City	1177 1245		Sweeper Attachment Single Axle, Dump Body	1 1	1 0		1 25 100 0 0 1 100 0 0	I.
		City	1245		Integrated Tool Carrier	1	1 0		100 0 0	
162	City of Kingsley	City	1245	34	Mowing Tractor <45 HP	2 2	0	2	2 100 0 0	
		City	1245		Tractor Loader-Box Blade	1 1	0	1	I 100 0 0	I.
		City	1245		Sweeper, 4 Wheel Mechanical		0		100 0 0	I.
59	City of Lenox City of Lenox	City City	1401 1401	11	Single Axle, Dump Body Water Truck	4 4	0			I.
		City	1401	32	Wheel Loader 2 cy or less	1	1 0			I.
59	City of Lenox	City	1401	36	Mowing Tractor 65+ HP	1	1 0	1	1	1
59		City	1401	39	Sweeper, 3 Wheel Mechanical	1	1 0	1	1	I.
		City	1401 1401		Motor grader, >135 HP	1 1	0			I.
59		City City	1401		Backhoe 30 hp Brush Chipper	1	1 0			I.
59		City	1401		Sewer Jet	1	1 0			I.
59	City of Lenox	City	1401	136	Snow Blower, Attachment	2	2 0	2	2	1
59	City of Lenox	City	1401	146	Washer, Hi-Power Water	1 1	0			I
		City	1532 1550		Not Applicable	3 3	0		3 70 30 0	I
		City City	1550		Single Axle, Dump Body Wheel Loader 2 cy +		0		3 70 30 0 1 80 20 0	
		City	1550	34	Mowing Tractor <45 HP		0		1 100 0 0	
122	City of Monona	City	1550	36	Mowing Tractor 65+ HP	1 1	0	1	80 20 0	
122	City of Monona	City	1550	39	Sweeper, 3 Wheel Mechanical		1 0		100 0 0	
122		City	1550	132	Sewer Jet		1 0		1 100 0 0 2 100 0 0	
	City of Monona Mount Pleasant	City City	1550 1583		Snow Blower, Attachment Damaged Disk	2 2	0		2 100 0 0	I
		City	1733		Single Axle, Dump Body	4 4	0		68.75 91 9 0	1
84	City of Hartley	City	1733	34	Mowing Tractor <45 HP	3 3	0		3 100 0 0	
84	City of Hartley	City	1733	37	Tractor Loader-Backhoe	1 1	0		I 91 9 0	
84		City	1733	38	Tractor Loader-Box Blade	1 1	0		100 0 0	
	City of Hartley	City	1733	39	Sweeper, 3 Wheel Mechanical		0		100 0 0	
		City City	1733 1733		Motor grader, 135 HP or less Brush Chipper		0		1 95 5 0 1 100 0 0	1
84	City of Hartley	City	1733		Sewer Jet		0		100 0 0	
67	City of Britt	City	2052	1	Single Axle, Dump Body	5 2	3 0	ŧ	5 65 100 0 0	
67	City of Britt	City	2052	39	Sweeper, 3 Wheel Mechanical		0		75 100 0 0	
		City	2052		Motor grader, >135 HP		1 0		1 100 100 0 0 1 100 100 0 0	
67		City City	2052 2052		Tractors Backhoe		1 0		1 100 100 0 0 1 100 100 0 0	
		City	2052		Mower		0		1 100 100 0 0 1 100 100 0 0	
		City	2052		Pickups	4 4	0	4	4 93.75 100 0 0	
212	City of Sumner	City	2106	1	Single Axle, Dump Body	2 2	0	2	2 75 25 0	
		City	2106		Sweeper, 4 Wheel Air				100 0 0	
212		City	2106 2106	48	Motor grader, 135 HP or less Skid Steer Loader, Wheel or Track		1 0		1 100 0 0 1 100 0 0	
212	City of Sumner City of Sumner	City City	2106		Tractor-snowplow blade		1 0			
L	ory or outmitter	ony	2100	190	Tuoto - Showplow blade			1 1		

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				Equip.		ster strates is it	15" 05" 55° 15°	Lip Lot Lost	* 53 ⁵ 3 ¹⁷¹ 5 ¹⁵¹	1 ¹⁰
ID	Entity	Туре	Pop.	Line	Type of Equipment	204 et 101 et 10	10-00-00-00-00-00-00-00-00-00-00-00-00-0	1.41.14.14.14.14.14.14.14.14.14.14.14.14		
212	City of Sumner	City	2106	197	Tractor/blower				1 100 0 0	1
	City of Greenfield	City	2129		Single Axle, Dump Body	2	2 0		2 100 0 0	1
	City of Greenfield	City	2129		Wheel Loader 2 cy or less	1	1 0		1 100 0 0	
	City of Greenfield	City	2129		Mowing Tractor 45-65 HP	1	1 0		1 100 0 0	
37	City of Greenfield	City	2129	36	Mowing Tractor 65+ HP	1	1 0		1 100 0 0	1
37	City of Greenfield	City	2129	41	Sweeper, 4 Wheel Air	1 1	0		1 100 0 0	
37	City of Greenfield	City	2129	48	Motor grader, 135 HP or less	1	1 0		1 100 0 0	4
37		City	2129	53	Skid Steer Loader, Wheel or Track	1 1	0		1 100 0 0	
		City	2129		Breaker Pavement, Attachment	1 1	0		1 100 0 0	
	City of Greenfield	City	2129	104	Brush Chipper	1 1	0		1 100 0 0	
	City of Greenfield	City	2129		Compressor, Air 125-200	1	1 0		1 100 0 0	
37	City of Greenfield	City	2129	112	Filler, Crack	1 1	0		1 100 0 0	
	City of Greenfield	City	2129	113	Grapple Attachment, Loader		1 0		1 100 0 0	
37	City of Greenfield	City	2129	124	Milling Head	1 1	0		1 100 0 0	
	City of Greenfield	City	2129		Saw, Concrete		0		1 100 0 0	
37	City of Greenfield	City	2129		Sewer Jet	1 1	0		1 100 0 0	
	City of Greenfield	City	2129		Sprayer, Weed		1 0		1 100 0 0	
	City of Greenfield	City	2129		Washer, Hi-Power Water		0		1 100 0 0	4
	City of Springbrook	City	2350		Not Applicable	2 1	1 0		2 65 35 0	-
108	City of Asbury City of Asbury	City	2450 2450	1	Single Axle, Dump Body Mowing Tractor <45 HP	2 1 1	1 0		2 65 35 0 2 100 0 0	
		City	2450		Mowing Tractor <45 HP Mowing Tractor 45-65 HP		0		1 100 0 0	
108	City of Asbury City of Asbury	City City	2450		Tractor Loader-Box Blade		0			
		City	2450		Brush Chipper		0		1 50 50 0 1 10 90 0	
	City of Hawarden	City	2430		Single Axle, Dump Body	3 3	0		3 90 10 0	
	City of Hawarden	City	2478		Wheel Loader 2 cy +	1 1	0		1 80 20 0	
	City of Hawarden	City	2478		Mowing Tractor <45 HP	2 2	0		2 100 0 0	
		City	2478		Tractor Loader-Backhoe	1 1	0		1 80 20 0	
51	City of Hawarden	City	2478	39	Sweeper, 3 Wheel Mechanical	1 1	0		1 100 0 0	
	City of Hawarden	City	2478		Motor grader, >135 HP	1	1 0		1 80 20 0	
	City of Hawarden	City	2478		Brush Chipper	1 1	0		1 100 0 0	
51	City of Hawarden	City	2478	105	Compressor, Air 125-200	1 1	0		1 100 0 0	1
51	City of Hawarden	City	2478	132	Sewer Jet	1 1	0		1 100 0 0	1
	Leclaire	City	2847		Single Axle, Dump Body	4 4	0		4 100 100 0 0	
	Leclaire	City	2847		Mowing Tractor <45 HP	1 1	0	·	1 75 100 0 0	
148		City	2847	36	Mowing Tractor 65+ HP	1 1	0		1 100 100 0 0	
	Leclaire	City	2847		Tractor Loader-Backhoe	1 1	0		1 100 100 0 0	
	Leclaire	City	2847	38	Tractor Loader-Box Blade	1 1	0		1 75 100 0 0	1
	Leclaire	City	2847		Motor grader, >135 HP		0		1 75 100 0 0 1 100 100 0 0	
148	Leclaire	City	2847	132	Sewer Jet	1 1	0		1 100 100 0 0	
	Leclaire Leclaire	City	2847 2847		Signal, Speed Sensing Trailer Mtd.		0		1 100 100 0 0 1 25 100 0 0	
	Leclaire City of Eldora	City City	2847 3035	136	Snow Blower, Attachment Single Axle, Dump Body	3	3 0		1 25 100 0 0 3 100 0 0	
		City	3035		Single axle, flatbed	2	2 0		2 100 0 0	
80	City of Eldora	City	3035	2	Single axle, van body	3	3 0		3 100 0 0	
	City of Eldora	City	3035		Tandem axle, flatbed	2	2 0		2 100 0 0	
80	City of Eldora	City	3035		Wheel Loader 2 cy +		1 0		1 100 0 0	
		City	3035		Tractor Loader-Backhoe	1	1 0		1 100 0 0	1
	City of Eldora	City	3035	39	Sweeper, 3 Wheel Mechanical	1	1 0		1 100 0 0	
	City of Eldora	City	3035	48	Motor grader, 135 HP or less	1	1 0		1 100 0 0)
80	City of Eldora	City	3035	53	Skid Steer Loader, Wheel or Track	2	2 0		2 100 0 0)
80	City of Eldora	City	3035	104	Brush Chipper	1 1	0		1 100 0 0)
80	City of Eldora	City	3035	105	Compressor, Air 125-200	1 1	0		1 100 0 0	
80	City of Eldora	City	3035		Saw, Concrete	1 1	0		1 100 0 0	
	City of Eldora	City	3035		Sewer Jet	1 1	0		1 100 0 0	
	City of Eldora	City	3035		Snow Blower, Attachment	1 1	0		1 100 0 0	
	City of West Burlington	City	3161		Single Axle, Dump Body	2 2	0		2 60 40 0	
	City of West Burlington	City	3161		Single axle, flatbed		0		1 80 20 0	
		City	3161	4	Tandem axle, dump body		0		1 40 60 0	
165	City of West Burlington	City	3161	23	Drum Roller 40–67"		0			
	City of West Burlington	City	3161	37	Tractor Loader-Backhoe	2 2	0		2 <u>20</u> 80 0 1 90 10 0	
	City of West Burlington	City	3161		Sweeper, 3 Wheel Mechanical		0			
	City of West Burlington	City	3161 3161		Motor grader, 135 HP or less	2 2	0		1 100 0 0 2 50 50 0	
	City of West Burlington City of West Burlington	City City	3161		Skid Steer Loader, Wheel or Track Breaker Pavement, Attachment		0		2 <u>50 50 0</u> 1 20 80 0	
	City of West Burlington	City	3161	102	Broom, Attachment		0			
		City	3161		Compressor, Air 125-200		0		1 50 50 0 1 50 50 0	
		City	3161		Filler, Crack		0		1 100 0 0	
	City of West Burlington	City	3161		Grapple Attachment, Loader		0		1 100 0 0	
165	City of West Burlington	City	3161	122	Marker, Centerline Paint	1 1	0		1 100 0 0	
165	City of West Burlington	City	3161		Saw, Concrete		0		1 60 40 0	
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				Equip.		20400 1 10 10 10 10 10 10 10 10 10 10 10 10	5 ¹⁶¹ 10 ¹⁶¹ 10 ¹⁶¹ 10 ¹⁶¹ 10 ¹⁶¹	1° 1° 1° 1° 1° 1°	50 ⁻⁰¹ -01 ⁻⁰¹
ID	Entity	Туре	Pop.	Line	Type of Equipment	/*° /** /*° /*° /*°	~~ ~~ ~~ ~~	/* ^v /* ^s /* ⁱ	10 010 010 010 010 010
165 City of We	est Burlington	City	3161	133	Sewer Jet Vacuum (Combination)		0		1 100 0
165 City of We		City	3161		Tiller, Power Rake	1 1	0		1 40 60
165 City of We	est Burlington	City	3161	146	Washer, Hi-Power Water	1 1	0		1 100 0
187 City of Se	rgeant Bluff	City	3321	0	Not Applicable	0	0		0
65 City of Ad		City	3435		Not Applicable	0	0		0
231 City of Os	sage	City	3451	1	Single Axle, Dump Body	6 5 1	0		6 70 30
231 City of Os		City	3451		Water Truck	1 1	0		1 100 0
231 City of Os		City	3451		Drum Roller 40–67"	1 1	0		1 100 0
231 City of Os	sage	City	3451	33	Wheel Loader 2 cy +	2 1 1	0		2 65 35
231 City of Os		City	3451		Mowing Tractor <45 HP	1 1			1 100 0
231 City of Os		City	3451		Tractor Loader-Backhoe	1 1	0		1 70 30
231 City of Os	sage	City	3451		Sweeper, 3 Wheel Mechanical	1 1	0		1 100 0
231 City of Os	sage	City	3451		Motor grader, 135 HP or less	2 2	0		2 90 10
231 City of Os	sage	City	3451		Snow Blower	1 1	0		1 100 0
231 City of Os	sage	City	3451		Garbage Trucks	1 1	0		1 100 0
231 City of Os		City	3451	104	Brush Chipper	1 1	0		1 100 0
231 City of Os		City	3451		Compressor, Air 125-200		0		1 100 0
231 City of Os		City	3451		Filler, Crack	1 1	•		1 100 0
231 City of Os		City	3451		Kettle, Bitumen Heater		0		1 100 0
231 City of Os	sage	City	3451	122	Marker, Centerline Paint	1 1	•		1 100 0
231 City of Os		City	3451		Saw, Concrete		0		1 50 50
231 City of Os		City	3451		Sewer Jet		0		1 100 0
231 City of Os		City	3451		Spade, Tree		0		1 20 80
231 City of Os		City	3451		Washer, Hi-Power Water		•		1 100 0
192 City of Mo		City	3607		Single Axle, Dump Body		0		
192 City of Mo		City	3607		Water Truck Drum Roller 40–67"		0		
192 City of Mo		City	3607 3607			5 5	0		1 100 100 0 5 100 100 0
192 City of Mo 192 City of Mo		City City	3607	34	Mowing Tractor <45 HP Tractor Loader-Backhoe		0		1 100 100 0
			3607				0		1 100 100 0
192 City of Mo 192 City of Mo	onticello	City City	3607	39	Sweeper, 3 Wheel Mechanical Motor grader, 135 HP or less		0		1 100 100 0
		City City	3607		Motor grader, 135 HP or less Skid Steer Loader, Wheel or Track		0		1 100 100 0
192 City of Mo 192 City of Mo	onticello	City	3607		Compressor, Air 125-200		0		1 100 100 0
192 City of Mo		City	3607		Distributor Bitumen, Slip-in or Trailer		0		
192 City of Mo	onticello	City	3607	130	Saw, Concrete	2 2	0		2
192 City of Mo		City	3607		Sewer Jet	1 1	0		1
192 City of Mo	onticello	City	3607		Sewer Jet Vacuum (Combination)	1 1	0		1
192 City of Mo		City	3607		Snow Blower, Attachment	1 1	0		1
233 City of Ne		City	3692		Single Axle, Dump Body	3 3	0		3 50 50
233 City of Ne		City	3692		Wheel Loader 2 cy +	1 1	0		1 90 10
233 City of Ne		City	3692	34	Mowing Tractor <45 HP	1 1	0		1 100 0
233 City of Ne		City	3692	39	Sweeper, 3 Wheel Mechanical	1 1	0		1 100 0
233 City of Ne		City	3692	48	Motor grader, 135 HP or less	1 1	0		1 100 0
233 City of Ne	ew Hampton	City	3692	54	Snow Blower	1 1	0		1 100 0
233 City of Ne	w Hampton	City	3692	130	Saw, Concrete	1 1	0		1 0 100
233 City of Ne		City	3692		Washer, Hi-Power Water	1 1	0		1 100 0
222 City of Mo	ount Vernon	City	3808		Single Axle, Dump Body	4 4	0		4 100 84 16
22 City of Mo	ount Vernon	City	3808		Mowing Tractor <45 HP	2 1 1	0		2 100 94 6
22 City of Mo	ount Vernon	City	3808	37	Tractor Loader-Backhoe		0		1 100 50 50
222 City of Mo		City	3808	39	Sweeper, 3 Wheel Mechanical		0		1 100 100 0
222 City of Mo		City	3808	53	Skid Steer Loader, Wheel or Track		0		1 100 50 50
222 City of Mo	ount vernon	City	3808	104	Brush Chipper		0		1 100 95 5
222 City of Mo	ount vernon	City	3808	105	Compressor, Air 125-200		0		1 100 90 10
222 City of Mo	ount vemon	City	3808		Marker, Centerline Paint		0		1 100 100 0 4 90 10
33 City of Cr	esco	City	3905 3905		Single Axle, Dump Body	4 3 1	0		4 90 10 2 95 5
33 City of Cr	8500	City			Single axle, flatbed				
33 City of Cr		City	3905		Water Truck		0		
33 City of Cr	0500	City	3905 3905		Wheel Loader 2 cy + Mowing Tractor <45 HP	1 1			2 90 10 1 100 0
33 City of Cr 33 City of Cr	6500	City	3905		Mowing Tractor <45 HP Mowing Tractor 45-65 HP		0		1 100 0
33 City of Cr 33 City of Cr	6500	City	3905		Sweeper, 3 Wheel Mechanical		0		1 98 2
		City	3905		Motor grader, 135 HP or less		0		
33 City of Cr 33 City of Cr		City City	3905		Motor grader, >135 HP or less Motor grader, >135 HP				1 90 10 1 90 10
33 City of Cr 33 City of Cr	0300 0500	City	3905	49	Brush Chipper		0		1 100 0
	0300 0500	City	3905	104	Compressor, Air 125-200	1 1	0		1 95 5
33 City of Cr		City	3905		Roller, Attachment		0		1 90 10
33 City of Cr		July			Sewer Jet Vacuum (Combination)		0		1 100 0
33 City of Cr 33 City of Cr		City	3905						
33 City of Cr 33 City of Cr 33 City of Cr	esco	City	3905 3958						6 95 5
33 City of Cr 33 City of Cr 33 City of Cr 33 City of Cr 38 City of En	esco nmetsburg	City	3958	1	Single Axle, Dump Body		0		0 00 0
33 City of Cr 33 City of Cr 33 City of Cr	esco nmetsburg nmetsburg			1 30					00 0

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ID	Fatth	T	Dee	Equip.		204 et 1 - 01 et		51 ⁶ +10 ¹⁰ +51 ⁰¹ 10 10 ⁶⁶⁰	did the of LEASE of Marine Construction	/
	Entity City of Emmetsburg	Type City	Pop. 3958	Line	Type of Equipment Distributor Bitumen, Slip-in or Trailer					
	City of Emmetsburg	City	3958	103	Grapple Attachment, Loader		0		1 95 5 0	
	City of Emmetsburg	City	3958	136	Snow Blower, Attachment	1 1	0		1 100 0 0	
15	City of Dyersville	City	4035	1	Single Axle, Dump Body	5 2			5 80 20 0	
15	City of Dyersville	City	4035	32	Wheel Loader 2 cy or less	1 1	v		1 80 20 0	
	City of Dyersville City of Dyersville	City	4035 4035	34	Mowing Tractor <45 HP Mowing Tractor 45-65 HP		1 0		1 100 0 0 1 90 10 0	
15	City of Dyersville	City City	4035		Sweeper, 3 Wheel Mechanical		1 0		1 90 10 0 1 95 5 0	
15		City	4035		Skid Steer Loader, Wheel or Track	1	1 0		1 60 40 0	
15	City of Dyersville	City	4035	105	Compressor, Air 125-200	1	1 0		1 50 50 0	
	City of Dyersville	City	4035		Sewer Jet		0		1 100 0 0	
15	City of Dyersville	City	4035 4131	139	Sweeper Attachment	1 1	0		1 90 10 0 2 75 25 0	
93	City of Waukon City of Waukon	City City	4131 4131		Single Axle, Dump Body Wheel Loader 2 cy +	2 2	0		2 75 25 0 1 50 50 0	
93	City of Waukon	City	4131	34	Mowing Tractor <45 HP		0		1 100 0 0	
93	City of Waukon	City	4131	41	Sweeper, 4 Wheel Air	1 1	0		1 75 25 0	
93	City of Waukon	City	4131	65	Pickups	1 1	0		1 100 0 0	
	City of Waukon	City	4131	105	Compressor, Air 125-200		0		1 100 0 0	
	City of Waukon	City	4131		Snow Blower, Attachment	1 1	0		1 100 0 0	
1/9	City of Eldridge City of Camanche	City City	4159 4215	0	Not Applicable Damaged Disk				<u> </u>	
140	City of Hampton	City	4213		Single Axle, Dump Body	5 5	0		5 95 5 0	
140	City of Hampton	City	4218	23	Drum Roller 40-67"	1 1	0		1 100 0 0	
140	City of Hampton	City	4218		Wheel Loader 2 cy or less	1 1	0		1 95 5 0	
140	City of Hampton	City	4218		Mowing Tractor 65+ HP	1 1	0		1 100 0 0	
	City of Hampton City of Hampton	City City	4218 4218	41	Sweeper, 4 Wheel Air Motor grader, 135 HP or less		0		1 100 0 0 1 95 5 0	
		City	4218		Skid Steer Loader, Wheel or Track		0		1 95 5 0	
140	City of Hampton	City	4218		Compressor, Air 125-200	1 1	0		1 100 0 0	
13	City of Forest City	City	4362	1	Single Axle, Dump Body	4 4	0		4 90 10 0	
	City of Forest City	City	4362	4	Tandem axle, dump body	1 1	0		1 70 30 0	
	City of Forest City	City	4362	29	Integrated Tool Carrier	1 1	1	1	2 90 10 0 1 100 0 0	
	City of Forest City City of Forest City	City City	4362 4362		Mowing Tractor <45 HP Sweeper, 3 Wheel Mechanical		0		1 100 0 0 1 100 0 0	
13	City of Forest City	City	4362	41	Sweeper, 4 Wheel Air		0		1 100 0 0	
		City	4362		Motor grader, 135 HP or less	1 1			1 80 20 0	
13	City of Forest City	City	4362		Snow Blower	1 1	0		1 100 0 0	
	City of Forest City	City	4362	55	Garbage Trucks	3 3	0		3 100 0 0	
	City of Forest City	City	4362		Brush Chipper		0		1 100 0 0 1 100 0 0	
		City City	4362 4362		Compressor, Air 125-200 Grapple Attachment, Loader		0		1 100 0 0 1 100 0 0	
	City of Forest City	City	4362		Saw, Concrete	2 2	0		2 60 40 0	
131	City of Humboldt	City	4452		Damaged Disk					
		City	4526		Single Axle, Dump Body	2 2	0		2 50 50 0	
	City of Evansdale	City	4526	4	Tandem axle, dump body	2 2	0		2 50 50 0	
	City of Evansdale City of Evansdale	City City	4526 4526		Asphalt, Main Screed 10 ft. or less Drum Roller 40–67"		0		1 0 100 0 1 50 50 0	
		City	4526		Wheel Loader 2 cy or less		0		1 50 50 0 1 50 50 0	
104	City of Evansdale	City	4526		Mowing Tractor 45-65 HP	1 1	0		1 100 0 0	
104	City of Evansdale	City	4526	37	Tractor Loader-Backhoe	1 1	0		1 50 50 0	
104	City of Evansdale	City	4526		Sweeper, 4 Wheel Mechanical	1 1	0		1 100 0 0	
104		City	4526		Motor grader, 135 HP or less		0		1 50 50 0	
	City of Evansdale	City	4526	104	Brush Chipper		0	+ + +	1 100 0 0 1 100 0 0	
	City of Evansdale City of Evansdale	City City	4526 4526	105	Compressor, Air 125-200 Filler, Crack		0		1 100 0 0 1 100 0 0	
		City	4526		Trailer, Low Bed 15 Ton		0		1 0 100 0	
104	City of Evansdale	City	4526	146	Washer, Hi-Power Water	1 1	0		1 100 0 0	
69	City of Chariton	City	4573	1	Single Axle, Dump Body	4 4	0		4 100 100 0 0	
	City of Chariton	City	4573		Truck-Mounted Bitumen Distrubutor		0		1 25 100 0 0	
69	City of Chariton City of Chariton	City City	4573 4573	11	Water Truck Drum Roller 40–67"		0		1 50 100 0 0 1 25 100 0 0	
	City of Chariton	City	4573		Sheep's Foot Roller 40-67"		0		1 25 100 0 0	
69	City of Chariton	City	4573		Wheel Loader 2 cy or less		1	1	1 25 100 0 0	
69	City of Chariton	City	4573	33	Wheel Loader 2 cy +	1 1	0		1 25 100 0 0	
69	City of Chariton	City	4573	34	Mowing Tractor <45 HP	2 2	0		2 50 100 0 0	
69	City of Charitan	City	4573	35	Mowing Tractor 45-65 HP	1 1	0		1 25 100 0 0 1 25 100 0 0	
	City of Chariton		4570							
	City of Chariton	City	4573		Sweeper, 3 Wheel Mechanical Motor grader, 135 HP or less		0	1	1 25 100 0 0	
69 217	City of Chariton City of Chariton City of Winterset	City City	4573 4573 4768	48	Motor grader, 135 HP or less		1	1	1 25 100 0 0	
69 217 217	City of Chariton	City	4573	48 1 11		0	1	1	1 25 100 0 0	

				Type of Equipment 400 00 1 1 1 0 0 0
				Type of Equipment Control
				In Inter / 25 / 25 / 25 / 25 / 25 / 25 / 25 / 2
			Equip.	
ID Entity	Туре	Pop.	Line	
217 City of Winterset	City	4768		
217 City of Winterset	City	4768		Tractor Loader-Backhoe 1 1 0 1 100 0 0
217 City of Winterset	City	4768		Sweeper, 3 Wheel Mechanical 2 1 1 0 2 100 0 0 Motor grader, >135 HP 1 1 0 1 100 100 0 0
217 City of Winterset 161 City of Sheldon	City City	4768		Motor grader, >135 HP 1 1 0 1 100 0 0 Single Axle, Dump Body 6 6 0 6 100 0 0
161 City of Sheldon	City	4914		Uniger water, Sumper Sology 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
161 City of Sheldon	City	4914		Tandem axle, dump body 1 1 0 1 100 0 0
161 City of Sheldon	City	4914	33	Wheel Loader 2 cy + 2 1 0 2 100 0 0
161 City of Sheldon	City	4914		Breaker Pavement, Attachment 1 1 0 1 100 0
161 City of Sheldon	City	4914		Broom, Attachment 1 1 0 1 100 0
161 City of Sheldon	City	4914 4914		Compressor, Air 125-200 1 1 0 1 100 0 Filler, Crack 1 1 0 1 100 0 0
161 City of Sheldon 161 City of Sheldon	City City	4914		Filler, Crack 1 1 0 1 100 0 Marker, Centerline Paint 1 1 0 1 100 0 0
161 City of Sheldon	City	4914		Marker, centernine Paint 1 1 0 1 100 0 Sewer Jet 1 1 0 1 100 0 0
71 City of Dewitt	City	5049		Single Axie, Dump Body 5 2 3 0 5 100 60 40 0
71 City of Dewitt	City	5049		Engle xile, van body 1 1 0 0 0 0 0 0 0 0
71 City of Dewitt	City	5049	9	Platform Boom (High-Reach) 1 1 0 10 0 0
71 City of Dewitt	City	5049		Rubber Tire Roller 9 wheel 1 1 0 1 75 0 100 0
71 City of Dewitt	City	5049		Wheel Loader 2 cy + 1 1 0 1 100 63 37 0 Mowing Tractor 55+ HP 1 1 0 1 100 93 7 0
71 City of Dewitt	City	5049	36	
71 City of Dewitt 71 City of Dewitt	City City	5049 5049		Tractor Loader-Backhoe 1 1 0 1 100 63 37 0 Sweeper, 4 Wheel Air 1 1 0 1 100 100 0 0
71 City of Dewitt	City	5049		Sweeper, 4 writer All 1 1 0 0 1 1 10 0 0 0 0 0 0 0 0 0 0 0
71 City of Dewitt	City	5049		Incomparize Image
71 City of Dewitt	City	5049	104	Brush Chipper 1 1 1 0 10 0 1 10 0 0
71 City of Dewitt	City	5049	105	Compressor, Air 125-200 1 1 0 1 100 93 7 0
71 City of Dewitt	City	5049	132	Sewer Jet 1 1 1 0 10 0 0 0
71 City of Dewitt	City	5049		Snow Blower, Attachment 1 1 0 1 25 100 0 Und Assistant 0
183 City of Grimes	City	5098 5102		Not Applicable 0 0 0 0 Single Axle, Dump Body 4 3 1 0 4 80 20 0
209 City of Vinton 209 City of Vinton	City City	5102	1	Single Axle, Dump Body 4 3 1 0 4 80 20 0 Tandem axle, dump body 1 1 0 1 100 0 0
209 City of Vinton	City	5102		1 ancem axe, composity 1 1 0 1 1 00 0 0 0
209 City of Vinton	City	5102	23	Drum Roller 40–67" 1 1 1 0 0 1 1 100 0 0
209 City of Vinton	City	5102	30	Loader Crawler 80 HP or less 1 1 1 0 1 100 0 0
209 City of Vinton	City	5102		Wheel Loader 2 cy or less 1 0 1 80 20 0
209 City of Vinton	City	5102	36	Moving Tractor 65+ HP 1 1 0 1 100 0
209 City of Vinton	City	5102 5102		Tractor Loader-Backhoe 2 2 0 2 100 0
209 City of Vinton 209 City of Vinton	City City	5102	39	Sweeper, 3 Wheel Mechanical 1 1 0 1 100 0 Motor grader, 135 HP or less 1 1 0 1 80 20 0
209 City of Vinton	City	5102		Motor grader, 135 HP 1 0 1 00 20 0 Motor grader, 135 HP 1 1 0 1 80 20 0
209 City of Vinton	City	5102	53	Notice grader, Noel or Track 1 0 1 100 0 Skid Steer Loader, Wheel or Track 1 1 0 1 100 0
209 City of Vinton	City	5102	102	Breaker Pavement, Attachment 1 1 0 1 100 0 0
209 City of Vinton	City	5102	104	Brush Chipper 1 1 1 0 0 1 1 100 0 0
209 City of Vinton	City	5102	105	Compressor, Air 125-200 1 1 0 1 100 0
209 City of Vinton	City	5102		Mixer, Bitumen Recycler 1 1 0 1 95 5 0 Saw Concrete 1 1 0 1 100 0
209 City of Vinton 209 City of Vinton	City City	5102 5102	130	Saw, Concrete 1 1 0 1 100 0
209 City of Vinton 209 City of Vinton	City	5102		Sewer jet vacuum (compination) 1 0 1 100 0 0 Show Blower, Attachment 1 1 0 1 100 0 0
209 City of Vinton	City	5102		Show blower, Autominent 1 1 0 0 1 100 0 0
226 City of Waukee	City	5126	1	Single Axle, Dump Body 6 3 3 0 6 85 15 0
226 City of Waukee	City	5126	9	Platform Boom (High-Reach) 1 1 0 1 100 0 0
226 City of Waukee	City	5126	11	Water Truck 1 1 0 1 100 0 0
226 City of Waukee	City	5126		Concrete, Main Screed > 10 ft. 1 1 0 1 100 0 Ubset/concrete. Main Screed > 10 ft. 1 0 1 100 0
226 City of Waukee 226 City of Waukee	City	5126 5126		Wheel Loader 2 cy + 1 0 1 Mowing Tractor <45 HP
226 City of Waukee 226 City of Waukee	City City	5126		Moving tractor <ashiet< th=""> 1 0 1 Tractor Loader-Backhoe 1 1 0 1</ashiet<>
226 City of Waukee	City	5126		Inatud Loader-backhole I I I 0 I I I Sweeper, 3 Wheel Mechanical 0 I I I I I
226 City of Waukee	City	5126		Motor grader, 135 HP or less 1 1 0 1 0
226 City of Waukee	City	5126	53	Skid Steer Loader, Wheel or Track 1 1 0 1
226 City of Waukee	City	5126	103	Broom, Attachment 1 0 1
226 City of Waukee	City	5126		Compressor, Air 125-200 2 1 1 0 2
226 City of Waukee	City	5126		Filer Crack 1 0 1 Saw Concrete 1 1 0 1
226 City of Waukee 92 City of Manchester	City City	5126 5257		Saw, Concrete 1 0 1 Single Axle, Dump Body 5 5 0 5 0
92 City of Manchester 92 City of Manchester	City	5257		Single Axe, Jump Body 5 5 0 0 5 - Du
92 City of Manchester	City	5257		Unit Note 4 = 0 1 0 1 Wheel Loader 2 cy + 1 1 0 1
92 City of Manchester	City	5257	34	Mowing Tractor <45 HP 1 1 0 0 1
92 City of Manchester	City	5257	37	Tractor Loader-Backhoe 1 1 0 1 1
92 City of Manchester	City	5257		Sweeper, 4 Wheel Air 1 1 0 1
92 City of Manchester 92 City of Manchester	City	5257		Motor grader, >135 HP 1 1 0 1 1
	City	5257	105	Compressor, Air 125-200 1 1 1 0 1

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ID Entity	Туре	Equip. Pop. Line	Tupo of Equipment	LOWIEL LOUIS ACTION ACT	14 ¹⁰ 15 ¹⁰ 10 ¹⁰ 10 ¹⁰ 10 ¹⁰	519-10-10-10-10-10-10-10-10-10-10-10-10-10-	ord lines of the second second
92 City of Manchester	City		Type of Equipment Sewer Jet Vacuum (Combination)				
92 City of Manchester	City		Snow Blower, Attachment	1 1	0		
216 City of Harlan	City		Single Axle, Dump Body	5 5	0	Ę	5 95 79 21
216 City of Harlan	City		Water Truck	1 1	0		
216 City of Harlan	City		Rubber Tire Roller 7 wheel		1 0		50 50 50
216 City of Harlan 216 City of Harlan	City City		Wheel Loader 2 cy + Mowing Tractor <45 HP	2 1	1 0		1 100 100 0 2 75 100 0
216 City of Harlan	City		Tractor Loader-Backhoe		1 0		
216 City of Harlan	City		Sweeper, 3 Wheel Mechanical	1 1	0		75 100 0
216 City of Harlan	City	5282 49	Motor grader, >135 HP	1	1 0		
216 City of Harlan	City		Skid Steer Loader, Wheel or Track	1 1	0		1 100 75 25
216 City of Harlan	City		Breaker Pavement, Attachment	1 1	0		10 100 0
216 City of Harlan 216 City of Harlan	City		Compressor, Air 125-200 Filler, Crack	1 1	1 0		1 75 67 33 1 50 100 0
216 City of Harlan	City City		Marker, Centerline Paint				1 25 100 0
216 City of Harlan	City	5282 130	Saw, Concrete	1 1	0		1 75 100 0
20 City of Glenwood	City	5358 1	Single Axle, Dump Body	3 3	0		8 88 12
20 City of Glenwood	City		Tandem axle, dump body	1 1	0		11 20
20 City of Glenwood	City		Water Truck		0		
20 City of Glenwood 20 City of Glenwood	City City	5358 33 5358 34	Wheel Loader 2 cy + Mowing Tractor <45 HP		0		
20 City of Glenwood	City		Mowing Tractor 45-65 HP	1 1	0		
20 City of Glenwood	City		Tractor Loader-Backhoe	2 2	0	2	
20 City of Glenwood	City	5358 41	Sweeper, 4 Wheel Air	1 1	0		100 0
20 City of Glenwood	City		Motor grader, 135 HP or less	1 1	0	· · · ·	
20 City of Glenwood 20 City of Glenwood	City City		Breaker Pavement, Attachment Brush Chipper		0		100 0
20 City of Glenwood 20 City of Glenwood	City		Compressor, Air 125-200		0		
20 City of Glenwood	City		Kettle, Bitumen Heater	1 1	0		00 1
20 City of Glenwood	City	5358 130	Saw, Concrete	1 1	0		100 0
20 City of Glenwood	City	5358 132	Sewer Jet	1 1	0		
180 City of Anamosa 132 City of Shenandoah Street Department	City	5494 0 5546 1	Not Applicable Single Axle, Dump Body	0 2 2	0		2 50 50
132 City of Shenandoan Street Department 132 City of Shenandoah Street Department	City City		Single axle, flatbed		0		
132 City of Shenandoah Street Department	City		Sheep's Foot Roller 40-67"	1 1	0		
132 City of Shenandoah Street Department	City		Wheel Loader 2 cy +	2 2	0	2	
132 City of Shenandoah Street Department	City	5546 34	Mowing Tractor <45 HP	1 1	0		
132 City of Shenandoah Street Department	City		Mowing Tractor 65+ HP	1 1	0		
132 City of Shenandoah Street Department	City		Tractor Loader-Backhoe		0		50 50 100 0
132 City of Shenandoah Street Department 132 City of Shenandoah Street Department	City City		Sweeper, 3 Wheel Mechanical Motor grader, 135 HP or less	2 2	0		
132 City of Shenandoah Street Department	City		Brush Chipper	1 1	0		100 0
132 City of Shenandoah Street Department	City	5546 130	Saw, Concrete	1 1	0		100 0
132 City of Shenandoah Street Department	City	5546 132	Sewer Jet	1 1	0		100 0
132 City of Shenandoah Street Department	City		Sewer Jet Vacuum (Combination)	1 1	0		100 0
132 City of Shenandoah Street Department 166 City of Clarinda	City		Snow Blower, Attachment Single Axle, Dump Body	1 1	3 0		1 100 0 3 100 0
166 City of Clarinda 166 City of Clarinda	City City		Single Axle, Dump Body Platform Boom (High-Reach)		3 0		
166 City of Clarinda	City	5690 32	Wheel Loader 2 cy or less	1 1	0		100 0
166 City of Clarinda	City	5690 34	Mowing Tractor <45 HP	1 1	0		100 0
166 City of Clarinda	City	5690 36	Mowing Tractor 65+ HP	2 2	0		100 0
166 City of Clarinda	City		Tractor Loader-Backhoe		0		100 0
166 City of Clarinda	City		Sweeper, 4 Wheel Mechanical Motor grader, 135 HP or less	1 1	1 0		100 0
166 City of Clarinda 166 City of Clarinda	City City		Skid Steer Loader, Wheel or Track		0		100 0
166 City of Clarinda	City		Sewer Jet Truck	1 1	0		100 0
166 City of Clarinda	City	5690 102	Breaker Pavement, Attachment	1 1	0		100 0
66 City of Clarinda	City	5690 130	Saw, Concrete	1 1	0		100 0
66 City of Clarinda	City		Snow Blower, Attachment	7 7	0		1 100 0 7 100 0
253 City of Algona 253 City of Algona	City City		Single Axle, Dump Body Drum Roller 40-67"		1		100 0
253 City of Algona	City	5741 23	Wheel Loader 2 cy+				100 0
253 City of Algona	City	5741 34	Mowing Tractor <45 HP	2 2			2 100 0
253 City of Algona	City	5741 35	Mowing Tractor 45-65 HP	1 1			1 100 0
253 City of Algona	City		Tractor Loader-Backhoe	1 1		· · ·	100 0
	City		Sweeper, 3 Wheel Mechanical				1 100 0 1 100 0
253 City of Algona	City					- I I I	
253 City of Algona 253 City of Algona	City	5741 48 5741 53	Motor grader, 135 HP or less Skid Steer Loader, Wheel or Track				
253 City of Algona 253 City of Algona 253 City of Algona	City	5741 53	Skid Steer Loader, Wheel or Track				1 100 0
253 City of Algona 253 City of Algona		5741 53 5741 103 5741 104		1 1			100 0

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ID	Entity B City of Algona	Type City	Pop. 5741	Line Type of Equipment 109 Distributor Bitumen, Slip-in or Trailer		· / *· / ** / ** / ** / **	** ** **	
	City of Algona	City	5741	112 Filler, Crack	1 1			
253	City of Algona	City	5741	114 Heater, Pre-Mix	1	1	1	100 0 0
	City of Algona	City	5741	122 Marker, Centerline Paint	2 2		2	100 0 0
	City of Algona City of Algona	City City	5741 5741	124 Milling Head 130 Saw, Concrete			1	<u>100 0 0</u> 100 0 0
	City of Algona	City	5741	132 Sewer Jet	1 1		1	100 0 0
253	City of Algona	City	5741	136 Snow Blower, Attachment	2 2		2	100 0 0
	City of Algona	City	5741	147 Leaf Vac	1 1		1	100 0 0
230	City of Sioux Center, Iowa	City City	6002 6002	1 Single Axle, Dump Body 2 Single axle, flatbed	3 3	0	3	<u>100 0 0</u> 100 0 0
	City of Sioux Center, Iowa	City	6002	11 Water Truck	1	1 0	1	100 0 0
230	City of Sioux Center, Iowa	City	6002	28 Sheep's Foot Roller 67"+	1	1 0	1	100 0 0
	City of Sioux Center, Iowa	City	6002	33 Wheel Loader 2 cy +	3 3	0	3	
	City of Sioux Center, Iowa	City City	6002 6002	34 Mowing Tractor <45 HP 38 Tractor Loader-Box Blade	1 1	0	1	<u>100 0 0</u> 100 0 0
230	City of Sioux Center, Iowa	City	6002	41 Sweeper, 4 Wheel Air	1 1	0	1	100 0 0
230	City of Sioux Center, Iowa	City	6002	49 Motor grader, >135 HP	3	3 0	3	100 0 0
	City of Sioux Center, Iowa	City	6002	53 Skid Steer Loader, Wheel or Track		0	1	<u>100 0 0</u> 100 0 0
	City of Sioux Center, Iowa	City City	6002 6002	103 Broom, Attachment 104 Brush Chipper	1 1	0	1	<u>100 0 0</u> 100 0 0
	City of Sioux Center, Iowa	City	6002	106 Compressor, Air 200+	1 1	0	1	100 0 0
230	City of Sioux Center, Iowa	City	6002	130 Saw, Concrete	1	1 0	1	100 0 0
230	City of Sioux Center, Iowa	City City	6002 6002	136 Snow Blower, Attachment 207 Sidewalk Sweeper	1 1	0	1	100 0 0 100 0 0
	City of Sloux Center, Iowa	City	6112	1 Single Axle, Dump Body	5 3	2	5	75 25 0
169	City of Maquoketa	City	6112	2 Single axle, flatbed	1 1		1	75 25 0
	City of Maquoketa	City	6112	11 Water Truck	1 1	+ $+$ $+$ $+$ $+$ $+$	1	90 10 0
	City of Maquoketa	City City	6112 6112	33 Wheel Loader 2 cy + 34 Mowing Tractor <45 HP	1 1	+ + + + +	1	<u>90 10 0</u> 90 10 0
	City of Maquoketa	City	6112	37 Tractor Loader-Backhoe	1 1		1	100 0 0
169	City of Maquoketa	City	6112	38 Tractor Loader-Box Blade	1	1	1	75 25 0
169	City of Maquoketa	City	6112 6112	41 Sweeper, 4 Wheel Air 48 Motor grader, 135 HP or less	1 1		1	<u>100 0 0</u> 100 0 0
169	City of Maquoketa	City City	6112	53 Skid Steer Loader, Wheel or Track	1 1			<u>100 0 0</u> 90 10 0
169	City of Maquoketa	City	6112	102 Breaker Pavement, Attachment	1 1		1	90 10 0
169	City of Maquoketa	City	6112	103 Broom, Attachment	1 1		1	100 0 0
169	City of Maquoketa	City City	6112 6112	105 Compressor, Air 125-200 112 Filler, Crack	1 1		1	<u>90 10 0</u> 100 0 0
	City of Maquoketa	City	6112	130 Saw, Concrete	1 1			100 0 0
169	O City of Maquoketa	City	6112	131 Seeder	1 1		1	80 20 0
169	City of Maquoketa	City	6112	132 Sewer Jet	1 1			100 0 0
169	City of Maquoketa	City	6112 6112	139 Sweeper Attachment 145 Trailer, Van	1 1		1	<u>90 10 0</u> 80 20 0
169	City of Maquoketa	City City	6112	145 Trailer, Van 146 Washer, Hi-Power Water	1 1		1	100 0 0
249	City of Hiawatha	City	6480	1 Single Axle, Dump Body	3 3	0	3	90 10 0
249	O City of Hiawatha	City	6480	35 Mowing Tractor 45-65 HP	1 1	0	1	100 0 0
249	City of Hiawatha	City City	6480 6480	37 Tractor Loader-Backhoe 49 Motor grader, >135 HP	2 2	0	2	<u>90 10 0</u> 90 10 0
249	City of Hiawatha	City	6480	102 Breaker Pavement, Attachment	1 1	0		90 10 0
249	O City of Hiawatha	City	6480	130 Saw, Concrete	1 1	0	1	90 10 0
249	City of Hiawatha	City	6480	132 Sewer Jet	1 1	0	6 17	
247	City of Estherville	City City	6656 6656	1 Single Axle, Dump Body 23 Drum Roller 40–67"	6 6		6 17	<u>100 0 0</u> 100 0 0
247	City of Estherville	City	6656	33 Wheel Loader 2 cy +	2 2	0	2 100	100 0 0
247	7 City of Estherville	City	6656	34 Mowing Tractor <45 HP	3 3	0	3 100	100 0 0
247	City of Estherville	City	6656 6656	41 Sweeper, 4 Wheel Air 48 Motor grader, 135 HP or less		0	1 100	<u>100 0 0</u> 100 0 0
247	City of Estherville City of Estherville	City City	6656	104 Brush Chipper	1 1	0	1 100	<u>100 0 0</u> 100 0 0
247	7 City of Estherville	City	6656	105 Compressor, Air 125-200	1 1	0	1 100	100 0 0
247	City of Estherville	City	6656	108 Cutter, Stump	1 1	0	1 100	100 0 0
	City of Estherville	City	6656	112 Filler, Crack		0	1 100	
247	City of Estherville	City City	6656 6656	130 Saw, Concrete 132 Sewer Jet	1 1	0	1 100	<u>100 0 0</u> 100 0 0
247	City of Estherville	City	6656	136 Snow Blower, Attachment	1 1	0	1 100	100 0 0
247	7 City of Estherville	City	6656	146 Washer, Hi-Power Water	1 1	0	1 100	100 0 0
32	City of Oelwein City of Oelwein	City City	6692 6692	1 Single Axle, Dump Body 4 Tandem axle, dump body	4 4	0	4	<u>100 0 0</u> 100 0 0
32	2 City of Oelwein	City	6692	23 Drum Roller 40–67"	1	1 0		100 0 0
32	2 City of Oelwein	City	6692	33 Wheel Loader 2 cy +	1	1 0	1	100 0 0
32	2 City of Oelwein	City	6692	34 Mowing Tractor <45 HP	1	1 0	1	100 0 0

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D Entity	Туре	Pop. Line	Type of Equipment	ACHIER REAL STREET, ST		17.140.140 ¹ , 140.140 ¹ , 140	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
32 City of Oelwein	City		Tractor Loader-Backhoe				1 100 0
32 City of Oelwein	City		Sweeper, 3 Wheel Mechanical	2 2	0		2 100 0
32 City of Oelwein	City		Motor grader, 135 HP or less	1 1	0		1 100 0
32 City of Oelwein	City		Motor grader, >135 HP	1	1 0		1 100 0
32 City of Oelwein	City		Breaker Pavement, Attachment	1 1	0		1 100 0
32 City of Oelwein	City		Brush Chipper	1 1	1 0		1 100 0
32 City of Oelwein	City		Saw, Concrete Snow Blower, Attachment	1 1	1 0		1 100 0 1 100 0
32 City of Oelwein 32 City of Oelwein	City City		Trailer, Low Bed 15 Ton	1	1 0		1 100 0
228 City of Washington	City		Single Axle, Dump Body	6 6	0		6 80 20
28 City of Washington	City		Water Truck	1 1	0		1 100 0
228 City of Washington	City	7047 23	Drum Roller 40–67"	1 1	0		1 50 50
228 City of Washington	City	7047 32	Wheel Loader 2 cy or less	2 2	0		2 80 20
228 City of Washington	City	7047 37	Tractor Loader-Backhoe	2 2	0		2 80 20
228 City of Washington	City		Motor grader, 135 HP or less	1 1	0		1 100 0
228 City of Washington	City		Breaker Pavement, Attachment	1 1	0		1 100 0
228 City of Washington	City		Distributor Bitumen, Slip-in or Trailer		0		1 100 0
228 City of Washington 228 City of Washington	City		Marker, Centerline Paint Roller, Attachment	1 1	0		1 100 0 1 80 20
228 City of Washington	City City		Saw, Concrete	1 1	0		1 80 20
228 City of Washington	City		Sewer Jet		0		1 100 0
228 City of Washington	City		Sewer Jet Vacuum (Combination)	1 1	0		1 100 0
228 City of Washington	City		Sweeper Attachment	1 1	0		1 100 0
28 City of Washington	City	7047 146	Washer, Hi-Power Water	1 1	0		1 100 0
11 City of Atlantic Street Department	City		Single Axle, Dump Body	7 7	0		7 100 0
11 City of Atlantic Street Department	City	7257 10	Truck-Mounted Bitumen Distrubutor	1	1 0		1 100 0
11 City of Atlantic Street Department	City		Water Truck	1	1 0		1 100 0
11 City of Atlantic Street Department	City		Semi-Tractor	1			1 100 0 1 100 0
1 City of Atlantic Street Department	City		Hydraulic wheeled, < 1 cy	1 1	1 0		
11 City of Atlantic Street Department 11 City of Atlantic Street Department	City City		Asphalt, Main Screed > 10 ft. Drum Roller 40–67"	2 2	0		1 100 0 2 100 0
11 City of Atlantic Street Department	City		Rubber Tire Roller 7 wheel	1	1 0		1 100 0
11 City of Atlantic Street Department	City		Rubber Tire Roller 9 wheel	1	1 0		1 100 0
11 City of Atlantic Street Department	City		Wheel Loader 2 cy +	1 1	0		1 100 0
11 City of Atlantic Street Department	City	7257 34	Mowing Tractor <45 HP	1 1	0		1 100 0
11 City of Atlantic Street Department	City		Sweeper, 3 Wheel Mechanical	1 1	0		1 100 0
11 City of Atlantic Street Department	City		Motor grader, >135 HP	1 1	0		1 100 0
11 City of Atlantic Street Department	City		Self-Propelled Chip Spreader	1 1	1 0		1 100 0
11 City of Atlantic Street Department	City		Skid Steer Loader, Wheel or Track		1 0		1 100 0 1 100 0
11 City of Atlantic Street Department 11 City of Atlantic Street Department	City City		Snow Blower Compressor, Air 125-200				1 100 0
11 City of Atlantic Street Department	City		Distributor Bitumen, Slip-in or Trailer	1	1 0		1 100 0
11 City of Atlantic Street Department	City	7257 130	Saw, Concrete	1 1	0		1 100 0
211 City of Atlantic Street Department	City	7257 133	Sewer Jet Vacuum (Combination)	1 1	0		1 100 0
11 City of Atlantic Street Department	City	7257 143	Trailer, Low Bed 15 Ton	2 2	0		2 100 0
211 City of Atlantic Street Department	City		45' Boom Truck	1	1 0		1 100 0
11 City of Atlantic Street Department	City		Ag gater-wastewater	1 1	1 0		1 100 0 1 100 0
11 City of Atlantic Street Department 11 City of Atlantic Street Department	City City	7257 192 7257 193	Semi: Liquid Trailer - Waste Water Paint Machine		1 0		1 100 0 1 100 0
11 City of Atlantic Street Department	City		Mosquito Sprayer		0		1 100 0
211 City of Atlantic Street Department	City		Backhoe Loader Mounted	1 1	ő		1 100 0
13 Denison Street Department	City		Single Axle, Dump Body	7 7	0		7 90 100 0
13 Denison Street Department	City	7339 11	Water Truck	1 1	0		1 90 100 0
13 Denison Street Department	City	7339 33	Wheel Loader 2 cy +	2 2	0		2 90 100 0
13 Denison Street Department	City		Mowing Tractor <45 HP	5 5	0		5 50 100 0
13 Denison Street Department	City		Tractor Loader-Backhoe	1	1 0		1 90 100 0
13 Denison Street Department	City		Sweeper, 3 Wheel Mechanical	1 1	0		1 90 100 0 2 50 100 0
13 Denison Street Department 13 Denison Street Department	City City	7339 49 7339 53	Motor grader, >135 HP Skid Steer Loader, Wheel or Track	2	2 0		2 50 100 0 1 90 100 0
13 Denison Street Department 13 Denison Street Department	City		Brush Chipper	1 1	1 0		1 90 100 0
13 Denison Street Department	City		Saw, Concrete	2 2	0		2 50 100 0
213 Denison Street Department	City		Sewer Jet	1	1 0		1 50 100 0
213 Denison Street Department	City		Snow Blower, Attachment	1 1	0		1 80 100 0
213 Denison Street Department	City	7339 146	Washer, Hi-Power Water	1 1	0		1 50 100 0
50 City of Creston	City	7597 1	Single Axle, Dump Body	7 7	0		7 100 68 32
50 City of Creston	City		Truck-Mounted Bitumen Distrubutor	1 1	0		1 50 50
50 City of Creston	City	7597 11	Water Truck	1	1 0		1 50 50
50 City of Creston	City	7597 23	Drum Roller 40–67"	1 1	0		1 40 60
50 City of Creston	City		Rubber Tire Roller 9 wheel Sheep's Foot Roller 40-67"	1 1	0		1 0 100 1 0 100
50 City of Creston 50 City of Creston	City City	7597 27 7597 33	Wheel Loader 2 cy +	1 1			1 0 100 1 50 50
JULICITY OF CRESION		1091 33	WINCER LUXUER 2 Gy T		U		1 20 20

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ID	Entity	Туре	Pop.	Equip. Line	Turno of Equipment	104 et 101 et 10 e	2110000 10000 10000 1000 1000 1000	10 10 10 10 10 10 10 10 10 10 10 10 10 1	50 00 1500 00 100 00 00 000000000000000	
	City of Creston	City	7597		Type of Equipment Tractor Loader-Backhoe		Study 1980 Out of 1980	61 101 101 101 101 101 101 101 101 101 1	50 50 0	ſ
	City of Creston	City	7597		Sweeper, 3 Wheel Mechanical		0	1	100 0 0	
	City of Creston	City	7597		Motor grader, 135 HP or less		0	1	50 50 0	
	City of Creston	City	7597		Skid Steer Loader, Wheel or Track	1 1	0	1	50 50 0	
50	City of Creston	City	7597	104	Brush Chipper	1 1	0	1	100 0 0	
	City of Creston	City	7597		Compressor, Air 125-200	1 1	0	1	50 50 0	1
	City of Creston	City	7597	112	Filler, Crack	1	0	1	100 0 0	
50	City of Creston	City	7597		Machine, Asphalt Patcher	1 1	0	1	100 0 0	
	City of Creston	City	7597		Saw, Concrete	1 1	0	1	70 30 0	
	City of Creston	City	7597		Snow Blower, Attachment		0		100 0 0 100 0 0	
	City of Creston City of Charles City	City	7597 7812		Washer, Hi-Power Water Single Axle, Dump Body	6 6	0	1	100 0 0 90 10 0	1
11	City of Charles City	City City	7812		Water Truck		0		100 0 0	
	City of Charles City	City	7812	23	Drum Roller 40–67"		0		80 20 0	
	City of Charles City	City	7812		Rubber Tire Roller 9 wheel	1 1	0		80 20 0	
	City of Charles City	City	7812		Wheel Loader 2 cy or less	1 1	0		80 20 0	
11	City of Charles City	City	7812	33	Wheel Loader 2 cy +	1 1	0	1	80 20 0]
	City of Charles City	City	7812		Mowing Tractor 45-65 HP	1 1	0	1	100 0 0	
11	City of Charles City	City	7812		Tractor Loader-Backhoe	1 1	0	1	70 30 0	
11	City of Charles City	City	7812		Sweeper, 3 Wheel Mechanical	1 1	0	1	100 0 0	
	City of Charles City	City	7812		Motor grader, 135 HP or less	1 1	0		90 10 0	
	City of Charles City City of Charles City	City	7812 7812		Skid Steer Loader, Wheel or Track		0		90 10 0 80 20 0	
	City of Charles City	City	7812		Breaker Pavement, Attachment Brush Chipper		0		100 0 0	
11	City of Charles City	City City	7812	104	Compressor, Air 125-200	1 1	0		80 20 0	
	City of Charles City	City	7812		Kettle, Bitumen Heater		0	1	100 0 0	
	City of Charles City	City	7812	122	Marker, Centerline Paint	1 1	0	1	100 0 0	
11	City of Charles City	City	7812		Saw, Concrete	1 1	0	1	70 30 0	
11	City of Charles City	City	7812	133	Sewer Jet Vacuum (Combination)	1 1	0	1	100 0 0	
	City of Charles City	City	7812		Snow Blower, Attachment	1 1	0	1	100 0 0	
	City of Charles City	City	7812		Washer, Hi-Power Water	1 1	0	1	100 0 0	
	City of Clear Lake Public Works Department	City	8161		Single Axle, Dump Body	6 6	0	6	00 00	
	City of Clear Lake Public Works Department	City	8161		Tandem axle, dump body	2 1 1	0	2	67 33 0	
	City of Clear Lake Public Works Department City of Clear Lake Public Works Department	City City	8161 8161		Wheel Loader 2 cy + Mowing Tractor 45-65 HP		0		50 50 0 100 0 0	
	City of Clear Lake Public Works Department	City	8161		Tractor Loader-Backhoe	2 2	0		46 54 0	
	City of Clear Lake Public Works Department	City	8161		Sweeper, 3 Wheel Mechanical	2 2	0	2	63 37 0	
207	City of Clear Lake Public Works Department	City	8161		Motor grader, 135 HP or less		0	1	60 40 0	
	City of Clear Lake Public Works Department	City	8161		Motor grader, >135 HP	1 1	0	1	57 43 0	1
	City of Clear Lake Public Works Department	City	8161		Skid Steer Loader, Wheel or Track	1 1	0	1	50 50 0	
	City of Clear Lake Public Works Department	City	8161		Breaker Pavement, Attachment	1 1	0	1	51 45 0	
	City of Clear Lake Public Works Department	City	8161		Compressor, Air 125-200		0		57 43 0	
	City of Clear Lake Public Works Department	City	8161	113	Grapple Attachment, Loader		0		67 33 0	
	City of Clear Lake Public Works Department	City	8161		Marker, Centerline Paint		0		75 25 0	
	City of Clear Lake Public Works Department City of Clear Lake Public Works Department	City City	8161 8161		Saw, Concrete Snow Blower, Attachment		0		50 50 0 50 50 0	
	City of Clear Lake Public Works Department	City	8161		Sprayer, Weed		0	1		
	City of Clear Lake Public Works Department	City	8161		Trailer, Van		0	1	100 0 0	
	City of Clear Lake Public Works Department	City	8161		Washer, Hi-Power Water	1 1	0	1	100 0 0	
	City of Clear Lake Public Works Department	City	8161		Vac-Con Sewer Jet Vacuum	1 1	0	1	50 50 0	
	City of Clear Lake Public Works Department	City	8161		Trailer, Tandem 12k	1 1	0	1	50 50 0	
	City of Clear Lake Public Works Department	City	8161		Trailer, Tandem 6k		0	1	50 50 0	
	Decorah Street Department	City	8172		Single Axle, Dump Body	5 5	0	5	100 90 10 0	
	Decorah Street Department	City	8172		Water Truck	2 2	1 0	1	75 100 0 0	
	Decorah Street Department	City City	8172 8172		Wheel Loader 2 cy + Mowing Tractor 65+ HP	2 2	0		100 88 12 0 75 100 0 0	
	Decorah Street Department Decorah Street Department	City	8172		Tractor Loader-Backhoe		0		100 88 12 0	
	Decorah Street Department	City	8172		Sweeper, 4 Wheel Air	1 1	0		75 100 0 0	
	Decorah Street Department	City	8172		Motor grader, 135 HP or less	1 1	0		75 100 0 0	
	Decorah Street Department	City	8172	49	Motor grader, >135 HP	1 1	0	1	100 94 6 0	
	Decorah Street Department	City	8172		Skid Steer Loader, Wheel or Track	1 1	0	1	100 88 12 0	
115	Decorah Street Department	City	8172	65	Pickups	4 4	0	4	100 100 0 0	
	Decorah Street Department	City	8172		One Ton Bucket Truck		1 0	1	100 100 0 0	
	Decorah Street Department	City	8172	104	Brush Chipper		0		100 100 0 0	
	Decorah Street Department	City	8172 8172	105	Compressor, Air 125-200		0		100 100 0 0 75 100 0 0	
	Decorah Street Department City of Webster City	City City	8172		Machine, Asphalt Patcher Not Applicable	0	0	1	75 100 0 0	1
	City of Webster City	City	8968		Single Axle, Dump Body	9 9	0		70 30 0	
			8968		Tandem axle, dump body	1 1	0	1	75 25 0	
	City of Waverly	City								
91 91	City of Waverly City of Waverly City of Waverly	City City	8968	10	Truck-Mounted Bitumen Distrubutor Drum Roller 40–67"		0	1	10 <u>90</u> 0 84 16 0	

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				Faula		neo ri	à 152 510 15	1 ⁰⁰ 659			~ /*	or lass line la	St. 1. 35°
ID	Entity	Туре	Pop.	Equip.	e of Equipment	*Oured For	101 101 100 100 100 100 100 100 100 100	NO REST	1000 × 1000	*Long * Stort	500 100 100 100 100 100 100 100 100 100	9 ¹ 0 ¹ 0 ¹ 0 ¹ 0 ¹ 0 ¹ 0 ¹ 0 ¹ 0	LU ^{LICE} JS ^{RE}
		City	8968	24 Drum Roller 67+"	or Equipment	<u>1</u>		\frown		<u> </u>		34 66	
		City	8968	26 Rubber Tire Roller 9	wheel	1	1		Ő		1	50 50	0
		City	8968	33 Wheel Loader 2 cy		2 2		1	0	-	2	81 19	0
91	City of Waverly	City	8968	36 Mowing Tractor 65+		2 2			0		2		0
		City	8968	37 Tractor Loader-Bac		2 2		<u> </u>	0		2		0
		City	8968	39 Sweeper, 3 Wheel I		1 1		⊢	0		1	66 34	0
		City	8968	41 Sweeper, 4 Wheel /		0 1		<u> </u>	0	1	1	84 16	0
91		City City	8968 8968	43 Dozer, 150 HP or le 49 Motor grader, >135		2 2		<u> </u>	0	1	1	100 0 71 29	0
		City	8968	80 Road Mixer	ar	1 1			0		1		0
91		City	8968	130 Saw, Concrete		1 1			0			100 0	0
		City	8968	136 Snow Blower, Attac	nment	1 1			0		1		0
91	City of Waverly	City	8968	165 Boom Mower		2 2			0		2	100 0	0
		City	8968	169 Water Tank Attachn		1 1		\vdash	0		1		0
		City	9105	1 Single Axle, Dump I		4 2	2	⊢ −−	0		4		0
		City	9105 9105	2 Single axle, flatbed		2 2		-+	0		2		0
		City City	9105	9 Platform Boom (Hig 11 Water Truck	PixedUII)	1	1	-+	0		1		0
		City	9105	23 Drum Roller 40–67"		1 1		-+	0		1		0
		City	9105	26 Rubber Tire Roller 9	wheel	1		1	0		1		0
		City	9105	32 Wheel Loader 2 cy		1 1			0		1		0
215	City of Grinnell	City	9105	33 Wheel Loader 2 cy	+	1 1			0		1	100 0	0
215	City of Grinnell	City	9105	37 Tractor Loader-Bac	khoe	2 1	1	\vdash	0		2	98 2	0
		City	9105	39 Sweeper, 3 Wheel I	lechanical	1	1	⊢ −−	0		1	100 0	0
		City	9105 9105	42 Cranes	UD	1 1		⊢ −+	0		1		0
		City City	9105	49 Motor grader, >135 53 Skid Steer Loader, 1	All	2 1	1		0		1	100 0 95 5	0
		City	9105	102 Breaker Pavement,		1	1	-+	0		2		0
215	City of Grinnell	City	9105	103 Broom, Attachment		1	1		0		1		0
		City	9105	104 Brush Chipper		1 1			0		1	100 0	0
215	City of Grinnell	City	9105	105 Compressor, Air 12		1	1		0		1		0
215		City	9105	113 Grapple Attachmen	, Loader	1 1		$ \vdash $	0		1		0
		City	9105	130 Saw, Concrete		1		⊢ −+	0		1	00 10	0
		City City	9105 9105	132 Sewer Jet 136 Snow Blower, Attac	hmont	1	2 1	<u> </u>	0		1		0
		City	9105	136 Snow Blower, Attac 146 Washer, Hi-Power V		3		-+	0		3		0
215	City of Grinnell	City	9105	198 Rear Load Garbaor	Truck Single Axle with Tag	2 2			0		2	100 0	0
	City of Grinnell	City	9105	199 Recycle Truck Sing		2 2			0		2	100 0	0
215	City of Grinnell	City	9105	200 Side Load Garbage	Truck Single Axle	1 1			0		1	100 0	0
248	City of Fairfield	City	9509	1 Single Axle, Dump I	Body	0			0		6		0
		City	9509	9 Platform Boom (Hig	n-Reach)	0		+	0		1		0
248	City of Fairfield	City	9509	11 Water Truck		0		⊢ −+	0		1	25 100 0	0
		City	9509 9509	33 Wheel Loader 2 cy 34 Mowing Tractor <45	HP	0			0		1	25 100 0 19 100 0	0
		City City	9509	39 Sweeper, 3 Wheel I	Mechanical	0		-+	0		1	25 100 0	0
		City	9509	49 Motor grader, >135		0			0		1	43 100 0	0
248	City of Fairfield	City	9509	104 Brush Chipper		0			0		1	25 100 0	0
248	City of Fairfield	City	9509	105 Compressor, Air 12	5-200	0			0		1	25 100 0	0
248	City of Fairfield	City	9509	130 Saw, Concrete		0		\vdash	0		1	25 100 0	0
248	City of Fairfield	City	9509	133 Sewer Jet Vacuum	Combination)	0	'	⊢−−	0		1	25 100 0	0
		City	9509 9509	222 Adams Conveyor Lo		0		-+	0		1	25 100 0 25 100 0	0
248		City City	9509	223 Single Axle sand sp 224 4x4 pickups	eauer trucks	0			0		2	25 100 0 25 100 0	0
193		City	9509	0 Not Applicable		0		-+	0		4	23 100 0	
229	City of Storm Lake	City	10076	1 Single Axle, Dump I	Body	6 6			0		6	75 83 17	0
	City of Storm Lake	City	10076	2 Single axle, flatbed		2 2			0		2	50 50 50	0
229	City of Storm Lake	City	10076	4 Tandem axle, dump	body	1 1			0		1	100 50 50	0
		City	10076	9 Platform Boom (Hig		1 1		\vdash	0		1	100 100 0	0
		City	10076	23 Drum Roller 40-67"		1 1	'	\vdash	0		1	75 50 50	0
229	City of Storm Lake	City	10076	33 Wheel Loader 2 cy		2 2		⊢ −+	0		2	100 50 50	0
229		City	10076	35 Mowing Tractor 45- 37 Tractor Loader-Bac	ID THP	2 2		r — †-	0		1	0 100	0
		City City	10076	41 Sweeper, 4 Wheel A				-+	0		2	75 100 0	0
229		City	10076	48 Motor grader, 135 H	P or less	1 1		-+	0		1	100 63 37	0
229		City	10076	102 Breaker Pavement,	Attachment	1 1			0		1	100 50 50	0
229		City	10076	104 Brush Chipper		1 1			0		1	75 100 0	0
229	City of Storm Lake	City	10076	105 Compressor, Air 12	5-200	1 1			0		1	100 50 50	0
	City of Storm Lake	City	10076	116 Kettle, Bitumen Hea	iter	1 1		\vdash	0		1	100 50 50	0
	City of Storm Lake	City	10076	122 Marker, Centerline I	Paint	1 1		i	0	1	1	75 50 50	0
			4000		unt								
229	City of Storm Lake	City City	10076 10076	130 Saw, Concrete 132 Sewer Jet					0		1	75 100 0 100 100 0	0

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ID Entity Type Pop. Equip. Line Type of Equipment # 0 th <	
229 City of Storm Lake City 10076 136 Snow Blower, Attachment 1 1	
112 City of Carroll City 10106 1 Single Axie, Dump Body 6 6	
112 City of Carroll City 10106 3 Single axle, van body 1 1	0 1 100 0
112 City 1016 23 Drum Roller 40–67" 1 1	0 1 100 0 0
112 City of Carroll City 10106 33 Wheel Loader 2 cy + 1 1	0 1 100 0 0
112 City of Carroll City 10106 35 Mowing Tractor 45-65 HP 1 1 112 City of Carroll City 10106 37 Tractor Loader-Backhoe 1 1	
112 City of Carroll City 10106 37 Tractor Loader-Backhoe 1 1 112 City of Carroll City 10106 39 Sweeper, 3 Wheel Mechanical 1 1	0 1 100 0 0 0 1 100 0 0
T12 City To Tool So Week and the metaning T T12 City of Carroll City 10106 48 Motor grader, 13 HP or less 1 1	
112 City of Carroll City 10106 53 Skid Steer Loader, Wheel or Track 1 1	
112 City City 10106 102 Breaker Pavement, Attachment 1 1	0 1 100 0
112 City of Carroll City 10106 106 Compressor, Air 200+ 1 1	0 1 100 0 0
112 City of Carroll City 10106 112 Filler, Crack 1 1	
112 City of Carroll City 10106 130 Saw, Concrete 1 1 112 City of Carroll City 10106 133 Sever det Vacuum (Combination) 1 1	
112 City of Carroll City 10106 133 Sewer Jet Vacuum (Combination) 1 1 112 City of Carroll City 10106 136 Snow Blower, Attachment 2 2	
T12 City 10106 130 Diower, Attachment 2 2 112 City of Carroll City 10106 146 Washer, Hi-Power Water 1 1	
240 City of Altoona City 10345 1 Single Axle, Dump Body 4 4	0 4 100 63 37 0
240 City 10345 4 Tandem axle, dump body 1 1	0 1 100 63 37 0
240 City of Altoona City 10345 9 Platform Boom (High-Reach) 1 1 1	
240 City of Albona City 10345 12 Semi-Tractor 2 2	
240 City of Attoona City 10345 32 Wheel Loader 2 or oless 2 2 2	
240 City of Altoona City 10345 34 Mowing Tractor <45 HP 3 3 240 City of Altoona City 10345 36 Mowing Tractor <45 HP	0 3 75 100 0 0 0 1 75 100 0 0
240 City of Altoona City 10345 37 Tractor Loader-Backhoe 1 1	
240 City of Altoona City 10345 41 Sweeper, 4 Wheel Air 1 1	0 1 100 0 0
240 City of Altoona City 10345 48 Motor grader, 135 HP or less 1 1	0 1 100 0 0
240 City of Altoona City 10345 53 Skid Steer Loader, Wheel or Track 1 1	0 1 100 25 75 0
240 City of Altoona City 10345 102 Breaker Pavement, Attachment 1 1	0 1 100 25 75 0
240 City of Altoona City 1044 Brush Chipper 1 1 240 City of Altoona City 10345 105 Compressor, Air 125-200 1 1	0 1 75 100 0 0 0 1 100 63 37 0
240 City of Attoona City 10345 108 Cutter, Stump 1 1	
240 City of Altoona City 10345 110 Drill, Vertical 1 1	
240 City of Altoona City 10345 112 Filler, Crack 1 1 1	0 1 100 0 0
240 City of Altoona City 10345 116 Kettle, Bitumen Heater 1 1	0 1 100 0 0
240 City of Altoona City 10345 122 Marker, Centerline Paint 1 1	0 1 100 0 0
240 City of Altoona City 10345 130 Saw, Concrete 2 2 2 240 City of Altoona City 10345 131 Seeder 1 1	0 2 50 25 75 0 0 1 75 50 50 0
240 City of Altoona City 10345 131 Seeder 1 1 240 City of Altoona City 10345 132 Sewer Jet 1 1	0 1 75 50 50 0 0 1 100 0 0
240 City of Altoona City 10045 136 Development 1 1	
240 City of Altoona City 10345 137 Spade, Tree 1 1	0 1 75 0 100 0
240 City 10345 138 Sprayer, Weed 2 2	0 2 75 100 0 0
240 City of Altoona City 10345 139 Sweeper Attachment 1 1	0 1 100 0 0
240 City of Altoona City 10345 140 Tiller, Power Rake 1 1	0 1 75 25 75 0
240 City of Altoona City 10345 208 Trailer, Tank, Semi 2 2 127 City of Fort Madison City 10715 Damaged Disk	2 0 2 100 100 0 0
127 City 10713 Data generation 1 90 City of Oskaloosa City 10938 1 Single Axle, Dump Body 8 3 5	5 0 8 100 0 0
ool only of Oskaloosa City 10038 2 Single axle, flatbed 5 <th< td=""><td></td></th<>	
90 City of Oskaloosa City 10938 4 Tandem axle, dump body 1 1	1 0 1 100 0 0
90 City of Oskaloosa City 10938 9 Platform Boom (High-Reach) 1 1	1 0 1 100 0 0
90 City of Oskaloosa City 10938 11 Water Truck 1 1 1 90 City of Oskaloosa City 10938 15 Workswide 2+ cy 1 1	1 0 1 100 0 0 1 0 1 100 0 0
90 City of Oskaloosa City 10938 15 Hydraulic wheeled, 2+ cy 1 1 90 City of Oskaloosa City 10938 23 Drum Roller 40–67" 1 1 1	
Sty Duty of Oskaloosa City 10936 2.5 Drum Roller 47-67 1 1 1 90 [City of Oskaloosa City 10938 24 [Drum Roller 67+* 1 1 1	
90 City of Oskaloosa City 10938 25 Rubber Tire Roller 7 wheel 1 1	
90 City of Oskaloosa City 10938 30 Loader Crawler 80 HP or less 1 1	0 1 100 0 0
90 City of Oskaloosa City 10938 31 Loader Crawler 80+ HP 1 1 1	0 1 100 0 0
90 City of Oskaloosa City 10938 38 Tractor Loader-Box Blade 2 2	2 0 2 100 0 0
90 City of Oskaloosa City 10938 40 Sweeper, 4 Wheel Mechanical 1 1 90 City of Oskaloosa City 10938 49 Motor grader, >135 HP 2 2 2	0 1 100 0 0 2 0 2 100 0 0
90 City of Oskaloosa City 10938 49 Motor grader, >135 HP 2 2 2 90 City of Oskaloosa City 10938 50 Self-Propelled Chip Spreader 1 1	
ability of Oskalosa City 10530 30 City Topened City 1 1 90 City of Oskalosa City 10938 53 Skrid Steer Loader, Wheel or Track 1 1	
90 City of Oskaloosa City 10938 75 Pulverizer 2 2	2 0 2 100 0 0
90 City of Oskaloosa City 10938 77 Oil Distributor 2 2	2 0 2 100 0 0
90 City of Oskaloosa City 10938 78 Crack Router 1 1	
90 City of Oskaloosa City 10938 79 Cimceal Applicator 1 1 1	1 0 1 100 0 0 0 1 100 0 0
90 City of Oskaloosa City 10938 104 Brush Chipper 1 1 90 City of Oskaloosa City 10938 105 Compressor, Air 125-200 1 1	0 1 100 0 0 0 1 100 0 0
ability of Oskalousa City 10950 100 Cuty for Skalousa 1 90 City of Oskalousa City 10938 122 Marker, Centerline Paint 1 1	
Sol bity of Oskaloosa City 10938 136 1 <th1< th=""> 1 <th1< td=""><td>1 0 1 100 0 0</td></th1<></th1<>	1 0 1 100 0 0
90 City of Oskaloosa City 10938 143 Trailer, Low Bed 15 Ton 1 1	0 1 100 0

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ID	F (2)	-		Equip.	
	Entity	Туре	Pop.	Line	Type of Equipment /* /* /* /* /* /* /* /* /* /* /* /* /*
		City	10938		
		City	11317		Damaged Disk
		City	11427		Single Axle, Dump Body 8 8 0 8 100 0 0
163 (City	11427		Single axle, flatbed 1 1 0 1 100 0 0
		City	11427		Tandem axle, dump body 1 1 0 1 100 0 0
		City	11427		Truck-Mounted Bitumen Distrubutor 1 1 0 1 100 0
		City	11427		Water Truck 1 1 0 1 100 0 0
163 (City	11427	16	Hydraulic crawler, <1 cy 1 1 1 0 0 1 0 0 0
163 (City of Keokuk	City	11427	23	Drum Roller 40–67" 1 1 0 0 0 0
		City	11427		Rubber Tire Roller 9 wheel 1 1 0 1 100 0 0
163 (City of Keokuk	City	11427	32	Wheel Loader 2 cy or less 1 1 0 1 100 0 0
163 (City	11427		Tractor Loader-Backhoe 1 1 0 1 100 0
163 (City of Keokuk	City	11427	41	Sweeper, 4 Wheel Air 1 1 0 1 1 100 0 0
		City	11427	48	Motor grader, 135 HP or less 2 2 0 2 100 0 0
163 (City of Keokuk	City	11427	53	Skid Steer Loader, Wheel or Track 1 1 0 1 80 20 0
163 (City of Keokuk	City	11427	105	Compressor, Air 125-200 2 2 0 2 100 0 0
163 (City of Keokuk	City	11427	109	Distributor Bitumen, Slip-in or Trailer 1 1 1 0 0 1 1 100 0
		City	11427	112	Filler, Crack 1 1 1 0 0 1 1 100 0
		City	11427	116	Kettle, Bitumen Heater 1 1 0 1 100 0 0
		City	11427		Saw, Concrete 1 1 1 0 0 1 1 100 0 0
		City	11427		Sewer Jet 1 1 0 1 100 0 0
		City	11427		Sever Jet Vacuum (Combination) 1 1 0 1 0 0 0 0
		City	11427	136	Sonow Blower, Attachment 1 1 0 0 0 0
		City	11427		Gran annone 1 0 1 100 0 Washer, Hi-Power Water 1 1 0 1 100 0
		City	12803		Single Axle, Dump Body 7 7 7 0 0 7 62.5 37.5 0
		City	12803		Ongo Trady Subject 1 0 1 0
		City	12803		Microsoft Code / 2 / 2 0 2 0 2 00 0
	City of Boone	City	12803		moning index 50 m 2 100 0 0 Trader Dackhoe 1 1 0 0 1 100 0 0
	City of Boone	City	12803	38	Tractor Loader-Box Blade 1 1 0 0 1 100 0 0
		City	12803		Induct Code Code Code Code Code Code Code Code
		City	12803		Sweeper, where share 1 1 0 1 100 0 0 Motor grader, >135 HP 3 3 0 3 100 0 0
		City	12803		Mount grader, Visel or Track 3 3 0 3 100 0 Skid Steer Loader, Wheel or Track 1 1 0 1 100 0
		City	12803		Shat Steer Couler, Mierrer of Table 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		City	12803		Deserve ravenient, Audument 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
160		City	12803		Compressor, Am 25-200 1 1 00 0 0 Sewer Jet Vacuum (Combination) 1 1 0 0 1 1 100 0 0
		City	12803		Sewel et vacuum (Commandum) 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
244 (City of Clive	City	12855		Single Asle, Dump Body 6 6 6 0 6 6 100 100 0 0
		City	12855		Uniter Nav, Cump Door 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		City	12855		Mole Loader 2 cy + 1 1 0 0 1 100 0 0
	City of Clive	City	12855	35	Milest Datasit 2 / 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0 /
244 (City of Clive	City	12855	37	moning inclusive of in the interview of
		City	12855		Induct Loader Datable 2 2 0 2 100 100 0 0 Trackr Loader Box Blade 1 1 0 1 100 100 0 0
244	City of Clive	City	12855		Induct Loader-Dox Stade 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
244	City of Clive	City	12855	41	3Wetput, 4 Witter All 1 1 0 0 0 0 0 0 0
244	City of Clive	City	12855		With grader, 213 mm 1 0 1 0 1 0
		City	12855		Fielder S O S O S O </td
244	City of Clive	City	12855		Detexter ravelinent 2 2 0 0 2 75 100 0 0
244		City	12855	104	Diasi Cingpela 2 2 0 0 2 73 100 0 0 0 Compressor, Air 125-200 1 1 1 0 0 100 0 0 0
244	City of Clive	City	12855	110	Compressor, An 12320 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		City	12855	100	riner, vado. 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		City	12855		Market, centernine renit i i o i i 30 100 0 0 0 Saw, Concrete 1 1 1 0 0 1 1 75 100 0 0
	City of Clive	City	12855		Saw, Concrete 1 1 1 0 1 75 100 0 0 Trailer, Van 1 1 1 0 0 0 0 0 0
244	City of Clive City of Clive	City	12855		Ifrailer, van I I 0 I 0 <
		City	12855		Washer, ni-rower water 1 1 0 1 100 0 0 Sewer Jel-Vac combination 1 1 0 1 100 100 0 0
244	City of Clive City of Clive	City City	12855		Sewer Z vispection unit 1 1 0 0 1 10000 0 0
		City	12855	210	Sewer 10 inspection unit 1 1 0 0 100 0 0
	City of Clive		12855		Van 1 0 1 100 0 0 Sewer easement machine 1 1 0 1 100 100 0 0
		City	12855		
244	City of Clive	City	12855		Shoring 1 1 0 1 100 0 0 Screed, concrete 1 1 0 1 75 100 0
	City of Clive	City	12855		
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10 0	City of Indianola	City	12998 12998		
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10		LCIIV	12998	8	
10 (City of Indianola	City			
10 (10 (City of Indianola	City	12998		
10 (10 (10 (City of Indianola City of Indianola	City City	12998	23	Drum Roller 40-67" 1 1 0 1 100 0 When Week Count 4 4 4 4 4 0 0 0
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10 (10 (10 (10 (10 (10 (City of Indianola City of Indianola City of Indianola City of Indianola City of Indianola	City City City City City City	12998 12998 12998 12998	23 33 37 39	Wheel Loader 2 cy + 1 1 0 1 100 0 0 Tractor Loader-Backhoe 2 2 0 2 100 0 0 Sweeper, 3 Wheel Mechanical 2 2 0 2 100 0 0
10 (10 (10 (10 (10 (10 (10 (10 (City of Indianola City of Indianola City of Indianola City of Indianola City of Indianola City of Indianola	City City City City	12998 12998 12998	23 33 37 39 48	Wheel Loader 2 cy + 1 1 0 1 100 0 0 Tractor Loader-Backhoe 2 2 0 2 100 0 0

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ID	Entity	Туре	Pop.	Equip. Line	Turne of Equipment	1500 150 150 150 150 150 150 150 150 150	~~~/~°	50 x 500 x 5	5 195 0 10 10 10 10 10 10 10 10 10 10 10 10 1	
	City of Indianola	City	12998		Type of Equipment Skid Steer Loader, Wheel or Track		1 0			ſ
	City of Indianola	City	12998		Breaker Pavement, Attachment	2	2 0		2 100 0 0	
10	City of Indianola	City	12998		Compressor, Air 200+	1	1 0		1 100 0 0	
	City of Indianola	City	12998		Filler, Crack	1	1 0		1 100 0 0	
10	City of Indianola	City	12998	113	Grapple Attachment, Loader	1	1 0		1 100 0 0	
10	City of Indianola	City	12998		Heater, Pre-Mix	1	1 0		1 100 0 0	
	City of Indianola	City	12998		Machine, Asphalt Patcher	1	1 0		1 100 0 0	
10	City of Indianola	City	12998		Saw, Concrete	6 6	0		6 100 0 0	
	City of Indianola	City	12998		Snow Blower, Attachment		1 0		1 100 0 0	
10	City of Indianola City of Indianola	City	12998 12998		Trailer, Low Bed 15 Ton Washer, Hi-Power Water		1 0		1 100 0 0 1 100 0 0	+
	City of Indianola City of Muscatine	City City	22697		Single Axle, Dump Body	7 7	0		7 71 29 0	
106	City of Muscatine	City	22697		Single axle, flatbed	6 6	0		6 71 29 0	
	City of Muscatine	City	22697	4	Tandem axle, dump body	2 2	0		2 63 37 0	
106	City of Muscatine	City	22697	10	Truck-Mounted Bitumen Distrubutor	1 1	0		1 100 0 0	
106	City of Muscatine	City	22697	23	Drum Roller 40–67"	1 1	0		1 100 0 0	
106	City of Muscatine	City	22697	26	Rubber Tire Roller 9 wheel	1 1	0		1 100 0 0	
106	City of Muscatine	City	22697	33	Wheel Loader 2 cy +	2 2	0		2 63 37 0	
106	City of Muscatine	City	22697	37	Tractor Loader-Backhoe	1 1	0		1 100 0 0	4
106	City of Muscatine	City	22697	41	Sweeper, 4 Wheel Air	2 2	0		2 63 37 0	
106	City of Muscatine	City	22697		Motor grader, 135 HP or less	1 1	0		1 100 0 0	
106	City of Muscatine	City	22697		Skid Steer Loader, Wheel or Track	3 3	0		1 100 0 0 3 73 27 0	
	City of Muscatine	City	22697 22697	100	Pickups Breaker Pavement, Attachment	2 2	0		3 73 27 0 2 63 37 0	
106	City of Muscatine City of Muscatine	City City	22697		Broom, Attachment		0		1 100 0 0	
106	City of Muscatine	City	22697		Brush Chipper		0		1 100 0 0	
106	City of Muscatine	City	22697	105	Compressor, Air 125-200	3 3	0		3 73 27 0	
	City of Muscatine	City	22697	112	Filler, Crack	1 1	0		1 100 0 0	1
106	City of Muscatine	City	22697	124	Milling Head	1 1	0		1 100 0 0	
106	City of Muscatine	City	22697	130	Saw, Concrete	1 1	0		1 100 0 0	
106	City of Muscatine	City	22697		Snow Blower, Attachment	2 2	0		2 100 0 0	
106	City of Muscatine	City	22697		Leaf Machine	6 6	0		6 100 0 0	
	City of Muscatine	City	22697		Leaf Boxes	6 6	0		6 100 0 0	
	City of Ottumwa	City	24998		Single Axle, Dump Body		0		8 100 0 0	
	City of Ottumwa	City	24998 24998		Platform Boom (High-Reach) Truck-Mounted Bitumen Distrubutor		0		1 100 0 0 1 100 0 0	
174	City of Ottumwa City of Ottumwa	City City	24998		Water Truck		0		1 100 0 0	
	City of Ottumwa	City	24998		Hydraulic wheeled, < 1 cy		0		1 100 0 0	
174	City of Ottumwa	City	24998		Asphalt, Main Screed 10 ft. or less	1 1	0		1 100 0 0	
	City of Ottumwa	City	24998	23	Drum Roller 40–67"	3 3	0		3 100 0 0	
174	City of Ottumwa	City	24998	33	Wheel Loader 2 cy +	1 1	0		1 100 0 0	
174	City of Ottumwa	City	24998	39	Sweeper, 3 Wheel Mechanical	1 1	0		1 100 0 0	
174	City of Ottumwa	City	24998	41	Sweeper, 4 Wheel Air	1 1	0		1 100 0 0	
174	City of Ottumwa	City	24998	48	Motor grader, 135 HP or less	1 1	0		1 100 0 0	
	City of Ottumwa	City	24998	49	Motor grader, >135 HP	2 2	0		2 100 0 0	4
	City of Ottumwa	City	24998		Skid Steer Loader, Wheel or Track		0		1 100 0 0 1 100 0 0	
	City of Ottumwa	City	24998 24998		Trencher Street Flusher		0		1 100 0 0 1 100 0 0	
	City of Ottumwa City of Ottumwa	City City	24998		Single Axle V Box Spreader	4 4	0		4 100 0 0	
	City of Ottumwa	City	24998	57	Landall Equipment Trailer		0		1 100 0 0	
	City of Ottumwa	City	24998		Broom, Attachment	1 1	0		1 100 0 0	
174	City of Ottumwa	City	24998		Compressor, Air 125-200	2 2	0		2 100 0 0	
174	City of Ottumwa	City	24998	112	Filler, Crack	1 1	0		1 100 0 0	
174	City of Ottumwa	City	24998	117	Machine, Asphalt Patcher	1 1	0		1 100 0 0	
174	City of Ottumwa	City	24998	122	Marker, Centerline Paint	1 1	0		1 100 0 0	
	City of Ottumwa	City	24998		Milling Head	1 1	0		1 100 0 0	
	City of Ottumwa	City	24998		Saw, Concrete	1 1	0		1 100 0 0	
	City of Ottumwa	City	24998		Snow Blower, Attachment		0		1 100 0 0 1 100 0 0	
1/4	City of Ottumwa	City	24998 25136		Sweeper Attachment	1 1 1	0		1 100 0 0 13 100 0 0	
	City of Fort Dodge City of Fort Dodge	City City	25136		Single Axle, Dump Body Tandem axle, dump body	2 2	0		13 100 0 0 2 100 0 0	
	City of Fort Dodge	City	25136	10	Truck-Mounted Bitumen Distrubutor		0		1 100 0 0	
	City of Fort Dodge	City	25136		Water Truck		0		1 100 0 0	
	City of Fort Dodge	City	25136		Hydraulic crawler, 1–2 cy	1 1	0		1 100 0 0	
28	City of Fort Dodge	City	25136	19	Asphalt, Main Screed 10 ft. or less	1 1	0		1 100 0 0	
28	City of Fort Dodge	City	25136	23	Drum Roller 40–67"	1 1	0		1 100 0 0	
28	City of Fort Dodge	City	25136		Rubber Tire Roller 9 wheel	1 1	0		1	4
	City of Fort Dodge	City	25136		Wheel Loader 2 cy +	5 5	0		5 100 0 0	
	City of Fort Dodge	City	25136		Tractor Loader-Backhoe	3 3	0		3 100 0 0	
	City of Fort Dodge	City	25136		Sweeper, 3 Wheel Mechanical		0		1 100 0 0	
28	City of Fort Dodge	City	25136	41	Sweeper, 4 Wheel Air		0		1 100 0 0	<u> </u>

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ID	Entity	Туре	Pop.	Line	Type of Equipment	/	*FOTTO #C	ed Purchering Con	40	500 +1050 +1000	10 *1019 *	40	<u>/~</u>	Curres of Hairborney Construction	_
28 City of Fort Dodge		City	25136		Dozer, 150-300 HP	1	1								J
28 City of Fort Dodge		City	25136	49	Motor grader, >135 HP	2	2			0			2		
28 City of Fort Dodge		City	25136		Skid Steer Loader, Wheel or Track	1	1			0			1		
28 City of Fort Dodge		City	25136	102	Breaker Pavement, Attachment	2	2			0			2		
28 City of Fort Dodge		City	25136		Broom, Attachment	1	1			0			1		
28 City of Fort Dodge		City	25136	105	Compressor, Air 125-200	2	2			0			2		
28 City of Fort Dodge		City	25136		Filler, Crack	1	1			0			1	100 0 0	
28 City of Fort Dodge		City	25136	113	Grapple Attachment, Loader	1	1			0			1	100 0 0	
28 City of Fort Dodge		City	25136		Machine, Asphalt Patcher	1	1			0	└──		1	100 0 0	
28 City of Fort Dodge		City	25136		Marker, Centerline Paint	1	1			0			1		
28 City of Fort Dodge		City	25136		Saw, Concrete	1	1			0	└── 		1		
28 City of Fort Dodge		City	25136		Sewer Jet Vacuum (Combination)	1	1			0			1		
28 City of Fort Dodge		City	25136		Snow Blower, Attachment	1	1			0			1		
28 City of Fort Dodge		City	25136		Sweeper Attachment	1	1			0	├ ── ├ ──		1		
28 City of Fort Dodge		City	25136	143	Trailer, Low Bed 15 Ton	1	1			0			1		
28 City of Fort Dodge		City	25136	146	Washer, Hi-Power Water		1			0			1		
191 City of Marshalltown		City	26009		Single Axle, Dump Body	18	18			0			18		
191 City of Marshalltown		City	26009		Single axle, flatbed	4	4			0	├──		4		
191 City of Marshalltown		City	26009		Tandem axle, dump body	1	1	1		0	├ ── ├ ──		1		
191 City of Marshalltown		City	26009	8	Fully Equipped Paint Truck	2	2				├ ── ├ ──				
191 City of Marshalltown		City	26009		Platform Boom (High-Reach)	2	4	-		0	├ ── ├ ──		2		
191 City of Marshalltown 191 City of Marshalltown		City	26009 26009		Semi-Tractor Asphalt, Main Screed 10 ft. or less	1	1	1		0			1	100 0 0 25 0 100 0	
191 City of Marshalltown		City	26009	19	Asphalt, Main Screed To it. or less	1	1			0			1		
191 City of Marshalltown		City		23	Drum Roller 40–67"	1	1			-			1		
191 City of Marshalltown		City	26009		Loader Crawler 80 HP or less	1	1			0			1		
191 City of Marshalltown		City	26009		Wheel Loader 2 cy or less	2	3			0			2	100 92 8 C	
191 City of Marshalltown		City	26009	34	Mowing Tractor <45 HP	2	2			0			2	10 100 0 0	
191 City of Marshalltown		City	26009	39	Sweeper, 3 Wheel Mechanical	3	3			-			3		
191 City of Marshalltown 191 City of Marshalltown		City	26009 26009	48	Motor grader, 135 HP or less	3	3			0			3	58.3 86 14 0 100 100 0 0	
		City		53	Skid Steer Loader, Wheel or Track	1	4			0				100 100 0 0 50 100 0 0	
191 City of Marshalltown		City	26009 26009	104	Brush Chipper	1	1			0			4	75 100 0 0	
191 City of Marshalltown		City		103	Compressor, Air 125-200	1	4			0			4		
191 City of Marshalltown 191 City of Marshalltown		City	26009 26009		Distributor Bitumen, Slip-in or Trailer Heater, Pre-Mix	1	1			0			1	25 0 100 0 100 100 0 0	
191 City of Marshalltown		City City	26009		Snow Blower, Attachment	2	2			0			2	25 100 0 0	
191 City of Marshalltown		City	26009	143	Trailer, Low Bed 15 Ton	2	1			0			2	75 100 0 0	
191 City of Marshalltown		City	26009		Trailer, Low Bed Semi	1		1		0			1	50 100 0 0	
119 City of Marion			26294		Single Axle, Dump Body	11	11			0			11		
119 City of Marion		City City	26294		Single Axle, Durip body	3	3			0			3	100 95 5 0	
119 City of Marion		City	26294		Tandem axle, dump body	3	3			0			3		
119 City of Marion		City	26294		Fully Equipped Paint Truck	1	1			0			1	75 99 1 0	
119 City of Marion		City	26294	15	Hydraulic wheeled, 2+ cy	1		1		0			1	100 90 10 0	
119 City of Marion		City	26294		Asphalt, Main Screed > 10 ft.	1	1			0			1	25 90 10 0	
119 City of Marion		City	26294	20	Drum Roller 40–67"	1	1	-		0			1	25 90 10 0	
119 City of Marion		City	26294	26	Rubber Tire Roller 9 wheel	1	1			0			1	25 90 10 C	
119 City of Marion		City	26294		Wheel Loader 2 cy +	2	2			0			2	100 99 1 0	
119 City of Marion		City	26294		Mowing Tractor <45 HP	1	~	1		0			1	75 100 0 0	
119 City of Marion		City	26294	37	Tractor Loader-Backhoe	2	2			0			2	100 80 20 0	
119 City of Marion		City	26294		Sweeper, 3 Wheel Mechanical	1	1			0			1	75 99 1 0	
119 City of Marion		City	26294		Sweeper, 4 Wheel Air	1	1			0			1	75 99 1 0	
119 City of Marion		City	26294	48	Motor grader, 135 HP or less	1		1		0			1	100 95 5 0)
119 City of Marion		City	26294	53	Skid Steer Loader, Wheel or Track	2	2			0			2	100 90 10 C)
119 City of Marion		City	26294		Breaker Pavement, Attachment	1	1			0			1	50 95 5 C)
119 City of Marion		City	26294		Broom, Attachment	1	1			0			1	75 99 1 C)
119 City of Marion		City	26294	104	Brush Chipper	2	2			0			2	75 100 0 C)
119 City of Marion		City	26294	105	Compressor, Air 125-200	2	1		1	0			2	75 90 10 C)
119 City of Marion		City	26294	112	Filler, Crack	1	1			0			1	50 100 0 C)
119 City of Marion		City	26294	124	Milling Head	1	1			0			1	75 100 0 C	
119 City of Marion		City	26294	130	Saw, Concrete	1	1			0			1	75 95 5 C)
119 City of Marion		City	26294	133	Sewer Jet Vacuum (Combination)	1	1			0			1	100 100 0 C)
119 City of Marion		City	26294	136	Snow Blower, Attachment	1	1			0			1	50 100 0 C)
119 City of Marion		City	26294	139	Sweeper Attachment	1	1			0			1	75 100 0 C)
107 City of Ankeny		City	27117	1	Single Axle, Dump Body	8		8		0			8	87.5 68 32 0)
107 City of Ankeny		City	27117	4	Tandem axle, dump body	2		2		0			2)
107 City of Ankeny		City	27117	33	Wheel Loader 2 cy +	3	3			0			3	100 75 25 0)
107 City of Ankeny		City	27117		Mowing Tractor 65+ HP	1	1			0			1	100 100 0 C)
107 City of Ankeny	c	City	27117	41	Sweeper, 4 Wheel Air	2	2		-	0			2	100 100 0 C)
107 City of Ankeny	c	City	27117	48	Motor grader, 135 HP or less	1	1		-	0			1	100 100 0 C	
107 City of Ankeny	c	City	27117	53	Skid Steer Loader, Wheel or Track	1	1		-	0			1	100 75 25 0)
			27117		Brush Chipper	4	1			0			1	100 100 0 0	J
107 City of Ankeny		City	2/11/	104	Brash onipper										

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17 17 17 17 18 17 18 <th< td=""><td>107</td><td>City of Ankeny</td><td></td><td></td><td></td><td></td><td></td></th<>	107	City of Ankeny					
177 Log Labor OP 277 Labor A							
171 Dy Church Div Part Winder Lands A. O. I	177	City of Clinton					
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177 Day of closen 0				27772			3 3 0 3 80 20 0
171 De d' Othen Dy 2177 20 deserve 3/the structured 2 2 0 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>							
171 (a) a Claim Dist 277 4 Mag gade () 10 M weight 1 0 0 0 1 0							
17 17 18 10 1 1 0 0 1 10 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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177 177 170 1	177	City of Clinton					
177 107 108 Derivation (129, 200) 1							
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171 Dig d'Linés Dig d'Linés </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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Intel Cond Operation <					136	Snow Blower, Attachment	
100 Cord Stelendorf Ory 3127 1 Isingle Adds, Durng Body, 12 12 10 12 75 100 6 6 00 Cloy of Stelendorf Ory 31275 Ad Adds Adds Cord 4 4 0 0 4 50 00 4 50 00 0 4 50 00 0 4 50 00 0							
939 Dr. of Steinsoft Ory 31275 11 Mink 1 rok. 4 4 6 6 4 75 100 0 930 Dr. of Steinsoft Ory 31275 11 Mink 1 rok. 1 1 1 0 0 1 100 0 100 0	109	City of Bettendorf					
199(Chr/g Bettenderf Chy 31275 11 Water Track 1 1 0 1 75 100 0 0 190(Chr/g Bettenderf Chy 31275 28 (Abbe Track Laster Beschere 2 2 0 0 1 57 100 0 0 190(Chr/g Bettenderf Chy 31275 38 (Taskel Laster Beschere 2 2 0 0 1 0	109	City of Bettendorf	City	31275	4	Tandem axle, dump body	4 4 0 4 75 100 0 0
109 Corr 317 33 When Looked 2 or 1 1 1 0 0 1 100	109	City of Bettendorf	City	31275	11	Water Truck	
109) Cay of Betteriorf City 3175 37 Trato Laster-Baches 2 2 0	109	City of Bettendorf					
190 Cord Bettendorf Chy 31275 381 Tractor Lander-Bon Black 1 1 0 1 55 100 0 0 100 Cord Bettendorf Chy 31275 44 Bohane RA Manaka Marka 2 2 2 0 0 2 73 100 0							
19b Cory & Betterdorf Chy 31275 41 Advesses 2 2 0 0 2 1 2 2 0 0 2 1 2 2 0 0 2 1 1 0	109	City of Bettendorf		31275	37	Tractor Loader-Backhoe	
100 Corp. 31275 440 Mole gradue 1351 Her views 2 2 2 0 0 2 1 1 100 Corp. 31275 100 Corp. 31275 100 Corp. 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0							
190 City di Betendorf City 31275 105 Congressor, Air J25200 1 1 0 1 7 100 0 100 City di Betendorf City 3127 File 103 Congressor, Air J25200 1 1 0 0 1 7 100 0 0 100 City di Betendorf City 44603 1 1 0 0 1 1 0<				31275	48	Motor grader, 135 HP or less	
100 Cuy 3122 112 Fac. Concrete 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 1 1 1 1 1 0 1 0 <td>109</td> <td>City of Bettendorf</td> <td></td> <td></td> <td></td> <td></td> <td></td>	109	City of Bettendorf					
100 0/y 3127 133 Saw, Concete 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 0 1 1 0 1							
100 City 4532 Starter and Contraction 1 1 0 1 1 0 1				31275			
142 Vest Des Mones City 4463 1 Stage Ade, Durps Body 4 0 10 100 100 00 0 142 Vest Des Mones City 4463 8 Faily Equipped Plant Truck 1 1 0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
142 Vest Des Mones Chy 4400 6 4 10 0 4 100 100 0 0 142 Vest Des Mones Chy 4403 8 Platform Boon (Hgh-Reach) 1 1 0 0 1 100 100 0<	142	West Des Moines		46403			
142 Vest Des Moines Chy 44643 9 Platform Boom (High-Reach) 1 1 0 0 1 100 100 0 0 142 Vest Des Moines Chy 44643 33 Meein Lader $2 \circ 4^{+}$ 2 2 0 0 1 100 100 0 0 142 Vest Des Moines Chy 44633 33 Meein Tactor 4.565 HP 2 2 0 0 1 100 100 0	142	West Des Moines	City	46403	4	Tandem axle, dump body	4 4 0 4 100 0 0
142 West Des Mones City 44403 33 Wheel Loador 2 or + 2 2 0 0 0 0 0 142 West Des Mones City 44403 35 Mowing Tractor 55 + HP 1 1 0 1 100 100 0 0 0 142 West Des Mones City 44403 37 Tractor Lader Backhope 2 2 0				46403	8	Fully Equipped Paint Truck	
142 West Des Maines City 46403 35 Moving Tractor 45-65 HP 1 1 0 0 100 0 0 142 West Des Maines City 46403 35 Moving Tractor 65-HP 1 1 0 0 100 0 0 0 142 West Des Maines City 46403 35 Sweeper, 3 / Minel Marco 1 1 0 0 1 100 0 0 0 142 West Des Maines City 46403 43 Sweeper, 4 / Minel Marco 1 1 0 0 0 1 100 0 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>							
142 West Des Moines City 4403 38 Moving Trador Gode Backhoe 2 0 1 100 100 0 142 West Des Moines City 4403 33 Sweaper, 3 Wheel Machanical 1 1 0 0 1 100 100 0 0 142 West Des Moines City 4403 33 Sweaper, 4 Wheel Aar 1 1 0 0 1 100 100 0 0 142 West Des Moines City 4403 44 Motor grader, 7135 H 1 1 0 0 1 100 100 0				46403	33	Wheel Loader 2 cy +	
142 West Des Moines City 46403 37 (Tractor Loader-Backhoe 2 2 0 0 100 100 0 0 142 West Des Moines City 46403 41 Sweeper, 4 Wheel Arr 1 1 0 0 1 100 100 0 0 142 West Des Moines City 46403 453 Skd Steer Loader, Wheel Arr 1 1 0 0 1 100 100 0 0 142 West Des Moines City 46403 63 Skd Steer Loader, Wheel Arr 1 1 0 0 1 100 100 0 0 142 West Des Moines City 46403 104 Frush Chipper 2 2 0 0 1 100 100 0	142	West Des Moines		46403	36	Mowing Tractor 65+ HP	
142 (West Des Moines City 46403 39 (Sweeper, 3 Wheel Manhanicit) 1 1 0 0 1 100 100 0 0 142 (West Des Moines City 46403 44 (Motor grader, 715 FtP 1 1 0 0 1 100 100 0 0 142 (West Des Moines City 46403 102 Breaker Pavement, Attachment 1 1 0 0 1 100 100 0 0 142 (West Des Moines City 46403 102 Breaker Pavement, Attachment 1 1 0 0 2 100 100 0 0 0 1 100 100 0 0 142 (West Des Moines City 46403 112 [Filer, Crack 1 1 0 0 1 100 100 100 0 0 142 (West Des Moines City 46403 133 [Saver Jet Vacuum (Combination) 1 1 0 0 1 100 100 100 100 100 100 100 100 100 100 100 100 100<							
142 West Des Mones City 4400 4400 73 PM 1 1 0 1 100 100 0 0 142 West Des Mones City 46403 102 Breaker Pavement, Matchment 1 1 0 0 1 100 100 0 0 142 West Des Mones City 46403 102 Breaker Pavement, Matchment 1 1 0 0 1 100 100 0 0 142 West Des Mones City 46403 115 File Crack 1 1 0 0 1 100 100 100 0 0 142 West Des Mones City 46403 114 Heat Crack 1 1 0 1 100 100 100 0 0 142 West Des Mones City 46403 133 Sever Attachment 1 1 0 0 1 100 100 100 0 0 142 West Des Mones City 46403 146 Mesther Matter Matte	142	West Des Moines	City	46403	39	Sweeper, 3 Wheel Mechanical	
142 West Des Moines City 46403 53 Skid Steer Laverent, Attachment 1 1 0 0 1 100 100 0 0 142 West Des Moines City 46403 104 Brauke Pavement, Attachment 1 1 0 0 1 100 100 0 0 142 West Des Moines City 46403 112 Filter, Crack 1 1 0 0 1 100 100 0 0 0 142 West Des Moines City 46403 112 Filter, Pre-Mix 1 1 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
142 West Des Moines City 46403 102 Instein Attachment 1 1 0 1 100 0 0 142 West Des Moines City 46403 106 Compressor, Air 125-200 3 3 0 1 100 100 0 0 142 West Des Moines City 46403 112 Fills 1 0 0 1 100 100 0 0 0 142 West Des Moines City 46403 112 Fills 1 0 0 1 100 100 0				46403	49	Motor grader, >135 HP	
142 West Des Moines City 4403 104 Brught Chapper 2 2 0 0 2 2 0 0 0 0 0 0 142 West Des Moines City 44043 112 Filler, Crack 1 1 0					102	Breaker Pavement Attachment	
142 West Des Moines City 46403 112 Filler, Crack 1 1 0 3 0 1 1 1 0							
142 West Des Moines City 46403 112 [Hiler, Crack 1 1 0 1 100 100 0 0 142 West Des Moines City 46403 130 Saw, Concrete 2 2 0 0 1 100 100 0 0 142 West Des Moines City 46403 130 Saw, Concrete 2 2 0 0 1 100 100 0 0 142 West Des Moines City 46403 138 Sewer Levacum (Combination) 1 1 0 0 1 100 100 0 0 0 142 West Des Moines City 46403 146 Bone Moley, Attachment 1 1 0 0 1 100 100 0 <td< td=""><td></td><td></td><td></td><td>46403</td><td>105</td><td>Compressor, Air 125-200</td><td>3 3 0 3 100 0 0</td></td<>				46403	105	Compressor, Air 125-200	3 3 0 3 100 0 0
142 West Des Moines City 46403 133 Sever Jet Vacum (Combination) 1 1 0	142	West Des Moines	City		112	Filler, Crack	1 1 0 0 1 100 0 0
142 West Des Moines City 4403 133 Sewer Jet Vacuum (Combination) 1 1 0 1 100 100 0 0 142 West Des Moines City 46403 146 Waster, Htachment 1 1 0 0 1 100 100 0 0 142 West Des Moines City 46403 146 Waster, Htachment 1 1 0 0 1 100 100 0 0 142 West Des Moines City 46403 146 Waster, Htachment 1 1 0 0 1 100 100 0 0 66 City of Ames City 50731 2 Single axie, flathed 1 1 0 0 1 100 0		West Des Moines	City		114	Heater, Pre-Mix	
142 West Des Moines City 4403 136 Snow Blower, Attachment 1 1 0 0 1 100 100 0 0 142 West Des Moines City 4603 146 Washer, Hi-Power Water 1 1 0 0 1 100 100 0 0 66 City of Ames City 50731 1 Single axle, flatbed 1 1 0 0 1 100 00 0 66 City of Ames City 50731 2 1 1 0 0 1 100 0					130	Saw, Concrete	
142 West Des Moines City 4403 146 Independent Washer, Hi-Power Water 1 1 0 0 1 100 100 0 0 66 City of Ames City 50731 2 11 1 0 0 1 100 100 0 0 66 City of Ames City 50731 2 Single Axle, Dump Body 7 7 0 0 1 100 0 0 66 City of Ames City 50731 4 Tandem axle, dump body 2 2 0 0 1 100 0 0 66 City of Ames City 50731 20 Asphalt, Main Screed > 10 ft. 1 1 0 0 1 100 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
66 City of Ames City 50731 1 Single Axle, Dump Body 7 7 0 0 1 100 0 0 66 City of Ames City 50731 2 Single axle, flatbed 1 1 0 1 100 0 0 66 City of Ames City 50731 4 Tandem axle, dump body 2 2 0 0 1 100 0 0 66 City of Ames City 50731 2 Apple at the math, dump body 2 2 0 0 1 100 0			City				
66 City of Ames City 50731 2 Single axie, flabed 1 1 0 0 1 100 0 0 66 City of Ames City 50731 4 Tandem axie, dump body 2 2 0 0 2 95 5 0 66 City of Ames City 50731 20 Asphati, Main Screed > 10 ft. 1 1 0 0 1 100 0 0 66 City of Ames City 50731 27 Sheep's Foot Roller 40-67" 1 1 0 0 1 100 0 0 66 City of Ames City 50731 33 Mbel Loader 2 or + 1 1 0 0 1 190 0 0 66 City of Ames City 50731 33 Mbel Loader 2 or + 1 1 0 0 1 190 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>							
66 City of Ames City 50731 20 Apphait, Main Screed > 10 ft. 1 1 0 1 100 0 0 66 City of Ames City 50731 27 Sheep's Foot Roller 40-67" 1 1 0 1 50 0 66 City of Ames City 50731 38 Moving Tractor 65+ HP 1 1 0 1 90 10 0 66 City of Ames City 50731 38 Moving Tractor 65+ HP 1 1 0 1 95 5 0 66 City of Ames City 50731 37 Tractor Loader-Backhoe 1 1 0 1 100 0		City of Ames	City				
66 City of Ames City 50731 27 Sheep's Foot Roller 40-67" 1 1 0 1 1 50 50 0 66 City of Ames City 50731 33 Wheel Loader 2 cy + 1 1 0 0 1 90 10 0 66 City of Ames City 50731 33 Moving Tractor 65 + HP 1 1 0 0 1 90 10 0 66 City of Ames City 50731 37 Tractor Loader-Backhoe 1 1 0 0 1 100 0 0 66 City of Ames City 50731 41 Sweeper 4 Wheel Air 1 1 0 0 1 100 0 0 66 City of Ames City 50731 48 Motor grader, 135 HP 1 1 0 0 1 95 5 0 66 City of Ames City 50731 48 Motor grader, 135 HP 1 1 0 0 1	66	City of Ames	City				
66 City of Ames City 50731 33 Moving Trador 65 + HP 1 1 0 1 1 90 10 0 66 City of Ames City 50731 33 Moving Trador 65 + HP 1 1 0 1 195 5 0 66 City of Ames City 50731 37 Tractor Loader-Backhoe 1 1 0 1 100 0 0 66 City of Ames City 50731 41 Sweeper, 4 Wheel Air 1 1 0 1 100 0 0 66 City of Ames City 50731 48 Motor grader, 135 HP or less 1 1 0 1 400 0 <td>66</td> <td>City of Amos</td> <td></td> <td></td> <td>20</td> <td>Aspnait, Main Screed > 10 ft.</td> <td></td>	66	City of Amos			20	Aspnait, Main Screed > 10 ft.	
66 City of Ames City 50731 38 Mowing Tractor 656 HP 1 1 0 1 195 5 0 66 City of Ames City 50731 37 Tractor Loader-Backhoe 1 1 0 1 100 0 0 66 City of Ames City 50731 37 Tractor Loader-Backhoe 1 1 0 0 1 100 0 0 66 City of Ames City 50731 41 Sweeper, 4 Wheel Air 1 1 0 0 1 100 0 <td>80</td> <td>City of Ames</td> <td></td> <td></td> <td>33</td> <td>Wheel Loader 2 cv +</td> <td></td>	80	City of Ames			33	Wheel Loader 2 cv +	
66 City of Ames City 50731 37 Tractor Loader-Backhoe 1 1 0 1 100 0 0 66 City of Ames City 50731 41 Sweeper, 4 Wheel Air 1 1 0 0 1 100 0 0 66 City of Ames City 50731 44 Motor grader, 135 HP or less 1 1 0 0 1 95 5 0 66 City of Ames City 50731 44 Motor grader, 135 HP or less 1 1 0 0 1 95 5 0 66 City of Ames City 50731 44 Motor grader, 135 HP 1 1 0 0 1 88 20 0 66 City of Ames City 50731 53 Skid Steer Loader, Wheel or Track 1 1 0 0 1 95 5 0 66 City of Ames City 50731 102 Breaker Pavement, Attachment 2 2 0 0 <t< td=""><td></td><td></td><td></td><td></td><td>36</td><td>Mowing Tractor 65+ HP</td><td></td></t<>					36	Mowing Tractor 65+ HP	
66 City of Ames City 50731 41 Sweeper, 4 Wheel Air 1 1 0 1 100 0 0 66 City of Ames City 50731 48 Motor grader, 135 HP or less 1 1 0 1 100 0 0 66 City of Ames City 50731 48 Motor grader, 135 HP or less 1 1 0 0 1 95 5 0 66 City of Ames City 50731 53 Skid Steer Loader, Wheel or Track 1 1 0 0 1 95 5 0 66 City of Ames City 50731 102 Bracker Pavement, Attachment 2 2 0 1 100 0 0 66 City of Ames City 50731 104 Brush Chipper 1 1 0 0 1 100 0 0 66 City of Ames City 50731 106 Compressor, Air 125-200 2 0 0 1 100 0 <th< td=""><td>66</td><td>City of Ames</td><td>City</td><td>50731</td><td>37</td><td>Tractor Loader-Backhoe</td><td></td></th<>	66	City of Ames	City	50731	37	Tractor Loader-Backhoe	
66 City of Ames City 50731 49 Motor grader, >135 HP 1 1 0 1 80 20 0 66 City of Ames City 50731 53 Stid Steel Track 1 1 0 1 95 5 0 66 City of Ames City 50731 102 Breaker Pavement, Attachment 2 2 0 0 2 95 5 0 66 City of Ames City 50731 104 Breaker Pavement, Attachment 2 2 0 0 2 95 5 0 66 City of Ames City 50731 104 Breaker Pavement, Attachment 2 2 0 0 1 100 0	66	City of Ames	City		41	Sweeper, 4 Wheel Air	
66 City of Ames City 50731 53 Skid Steer Loader, Wheel or Track 1 1 0 0 1 95 5 0 66 City of Ames City 50731 102 Breaker Pavement, Attachment 2 2 0 2 95 5 0 66 City of Ames City 50731 104 Brush Chipper 1 1 0 0 1 100 0 66 City of Ames City 50731 106 Compressor, Air 125-200 2 2 0 0 2 2 8 2 0					48	Motor grader, 135 HP or less	
66 City of Ames City 50731 102 Preaker Pavement, Attachment 2 2 0 1 2 95 5 0 66 City of Ames City 50731 104 Brush Chipper 1 1 0 1 100 0 0 6 6 2 98 2 0 0 2 98 2 0 0 1 100 0 0 1 100 0							
66 City of Ames City 50731 104 Brush Chipper 1 1 0 1 100 0 0 66 City of Ames City 50731 105 Compressor, Air 125-200 2 2 0 2 98 2 0	66	City of Ames			102	Breaker Pavement, Attachment	
66 City of Ames City 50731 105 Compressor, Air 125-200 2 0 2 98 2 0	66	City of Ames		50731	104	Brush Chipper	
	66	City of Ames	City	50731	105	Compressor, Air 125-200	2 2 0 0 2 98 2 0
	66	City of Ames	City	50731	112	Filler, Crack	

					Type of Equipment 40% 11 10
					\s\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
				Equip.	
ID	Entity	Туре	Pop.	Line	Type of Equipment $\sqrt[40]{4^{\circ}}\sqrt[4]{4^{\circ}}\sqrt$
66	City of Ames	City	50731	122	Marker, Centerline Paint 1 1 1 0 0 1 1 95 5 0
		City	50731		Miller, Asphalt Spreader 1 1 0 1 100 0
66		City	50731		Saw, Concrete 1 1 0 0 1 98 2 0
		City	50731		Sewer let 1 1 0 0 1 100 0 0
66	City of Ames	City	50731		Signal, Speed Sensing Trailer Mtd. 1 1 0 1 90 10 0
		City	50731		Snow Blower, Attachment 1 1 0 0 1 1 100 0 0
		City	57686		Single Axle, Dump Body 11 11 0 0 100 0 0
		City	57686		Single axle, flatbed 5 5 0 0 5 100 100 0 0
		City	57686		Single axle, van body 1 1 0 0 1 100 0 0
		City	57686		Tandem axle, dump body 7 7 7 0 0 7 64 100 0 0
246		City	57686		Platform Box (High-Reach) 1 1 0 0 1 100 0
		City	57686		Track-Mounted Bitumen Distrubutor 1 1 0 0 1 75 100 0 0
		City	57686		Water Truck 1 0 1 50 0 0
		City	57686		Asphalt, Main Screed 10 ft. or less 1 1 0 0 1 25 100 0 0
		City	57686		Asphalt, Main Screed > 10 ft. 1 1 0 0 1 75 67 33 0
		City	57686		Drum Roller 40–67" 3 3 0 0 3 75 100 0 0
	City of Dubuque	City	57686	25	Rubber Tire Roller 7 wheel 1 0 1 25 100 0 0
		City	57686		Wheel Loader 2 cy + 3 3 0 3 75 100 0
		City	57686		Mowing Tractor 45-65 HP 1 1 0 0 1 50 100 0
		City	57686		Sweeper, 3 Wheel Mechanical 2 2 0 2 75 100 0 0
		City	57686	41	Sweeper, 4 Wheel Air 1 1 0 0 1 75 100 0 0
		City	57686		Motor grader, >135 HP 3 3 3 0 3 50 100 0 0
		City	57686	53	Skid Steer Loader, Wheel or Track 1 1 0 1 100 0 0
		City	57686		Breaker Pavement, Attachment 2 2 0 2 38 100 0 0
		City	57686	104	Brush Chipper 2 2 0 0 2 100 100 0 0
		City	57686	105	Compressor, Air 125-200 4 4 0 4 81 100 0 0
		City	57686	108	Cutter, Stump 1 1 1 0 1 1 1 0 0 0 0
		City	57686		Saw, Concrete 2 2 0 0 2 75 100 0 0
		City	57686		Sewer Jet 1 1 0 0 1 100 0 0
		City	57686		Sewer Jet Vacuum (Combination) 1 1 1 0 0 1 75 100 0 0
	City of Dubuque	City	57686	136	Snow Blower, Attachment 2 2 0 2 25 100 0 0
		City	58268		Single Axle, Dump Body 15 15 0 0 15 75 53 47 0
114 (City of Council Bluffs	City	58268	4	Tandem axle, dump body 1 1 0 1 100 25 75 0
114	City of Council Bluffs	City	58268	8	Fully Equipped Paint Truck 1 1 0 1 75 100 0 0
114 (City of Council Bluffs	City	58268	9	Platform Boom (High-Reach) 1 1 1 0 0 1 1 100 0 0
114	City of Council Bluffs	City	58268		Truck-Mounted Bitumen Distrubutor 1 1 0 1 25 0 100 0
		City	58268		Water Truck 1 1 0 1 100 0 0
114	City of Council Bluffs	City	58268		Asphalt, Main Screed > 10 ft. 1 1 0 0 1 75 0 100 0
	City of Council Bluffs	City	58268		Concrete, Main Screed > 10 ft. 1 1 0 1 75 100 0 0
114	City of Council Bluffs	City	58268		Drum Roller 40-67" 1 1 1 2 75 0 100 0
	City of Council Bluffs	City	58268		Rubber Tire Roller 9 wheel 1 1 0 1 75 0 100 0
114	City of Council Bluffs	City	58268		Wheel Loader 2 cy + 2 2 0 2 100 64 36 0
		City	58268	35	Mowing Tractor 45-65 HP 1 1 0 1 100 0 0
		City	58268		Tractor Loader-Backhoe 1 1 0 1 100 0 100 0
		City	58268	38	Tractor Loader-Box Blade 1 1 1 0 0 1 1 100 0 0
		City	58268		Sweeper, 3 Wheel Mechanical 2 2 0 2 100 0 0
	City of Council Bluffs	City	58268		Sweeper, 4 Wheel Air 1 1 0 100 0 0
	City of Council Bluffs	City	58268		Motor grader, >135 HP 4 4 1 1 5 85 82 18 0
	City of Council Bluffs	City	58268		Self-Propelled Chip Spreader 1 1 0 1 75 0 100 0
114	City of Council Bluffs	City	58268		Skid Steer Loader, Wheel or Track 1 1 0 1 100 0 0
		City	58268		Single Axle Custom Body 5 5 0 5 100 85 15 0
114	City of Council Bluffs	City	58268		Breaker Pavement, Attachment 1 1 0 0 1
		City	58268		Broom, Attachment 1 1 0 1
	City of Council Bluffs	City	58268		Brush Chipper 1 1 0 10 0 0
		City	58268	105	Compressor, Air 125-200 1 1 0 0 0 0
	City of Council Bluffs	City	58268		Milling Head 1 1 0 1 100 0 100 0
	City of Council Bluffs	City	58268		Saw, Concrete 1 1 0 1 100 0 100 0
		City	58268	136	Snow Blower, Attachment 1 0 1 25 100 0 </td
114 (City of Council Bluffs		58268		Trailer, Low Bed 15 Ton 1 0 1 100 0 00 0
114 (City of Council Bluffs City of Council Bluffs	City			Tail Gate Rollers 4 4 0 4 25 100 0
114 114 114	City of Council Bluffs City of Council Bluffs City of Council Bluffs	City City	58268		
114 114 114 5	City of Council Bluffs City of Council Bluffs City of Council Bluffs City of University Heights	City City City	58268 63027	0	Not Applicable 0 0 0
114 114 114 5 94	City of Council Bluffs City of Council Bluffs City of Council Bluffs City of University Heights City of University Heights City of Iowa City	City City City City	58268 63027 63027	0	Single Axle, Dump Body 11 11 0 11 100 0 0
114 (114 (114 (5 (94 (94 (City of Council Bluffs City of Council Bluffs City of Council Bluffs City of Ounical Bluffs City of Iowa City City of Iowa City City of Iowa City	City City City City City City	58268 63027 63027 63027	0	Single Axle, Dump Body 11 11 0 11 100 0 Single axle, flatbed 2 2 0 2 100 0
114 (114 (114 (5 (94 (94 (94 (94 (City of Council Bluffs City of Council Bluffs City of Council Bluffs City of University Heights City of Iowa City City of Iowa City City of Iowa City City of Iowa City	City City City City City City City	58268 63027 63027 63027 63027	0 1 2 11	Single Axle, Dump Body 11 11 0 11 100 0 0 Single Axle, flatbed 2 2 0 2 100 0 0 0 Water Truck 1 1 0 1 100 0 0 0
114 (114 (114 (5 (94 (94 (94 (94 (94 (City of Council Bluffs City of Council Bluffs City of Council Bluffs City of Council Bluffs City of Iowa City	City City City City City City City City	58268 63027 63027 63027 63027 63027 63027	0 1 2 11 23	Single Axle, Dump Body 11 11 0 11 100 0 Single Axle, flatbed 2 2 0 2 100 0 Water Truck 1 1 0 1 100 0 Drum Roller 40-67* 1 1 0 1 100 0
114 (114 (114 (94 (94 (94 (94 (94 (94 (94 (9	City of Council Bluffs City of Council Bluffs City of Council Bluffs City of Council Bluffs City of Iowa City City of Iowa City	City City City City City City City City	58268 63027 63027 63027 63027 63027 63027 63027	0 1 2 11 23 33	Single Axle, Dump Body 11 11 0 11 100 0 0 Single axle, flabbd 2 2 0 2 100 0 0 Water Truck 1 1 0 1 100 0 0 Drum Roller 40-67" 1 1 0 1 100 0 0 Wheel Loader 2 cy + 2 0 2 100 0 0
114 0 114 0 114 0 94 0 94 0 94 0 94 0 94 0 94 0 94 0 9	City of Council Bluffs City of Council Bluffs City of Council Bluffs City of Iowics City of Iowa City	City City City City City City City City	58268 63027 63027 63027 63027 63027 63027 63027 63027	0 1 2 11 23 33 37	Single Axle, Dump Body 11 11 0 11 100 0 0 Single Axle, flatbed 2 2 0 2 100 0 0 Water Truck 1 1 0 1 100 0 0 Drum Roller 40-67" 1 1 0 1 100 0 0 Wheel Loader 2 cy + 2 2 0 2 100 0 0 Tractor Loader-Backhoe 1 1 0 1 100 0 0
114 (114 (114 (5 (94 (94 (94 (94 (94 (94 (94 (94	City of Council Bluffs City of Council Bluffs City of Council Bluffs City of Council Bluffs City of Iowa City	City City City City City City City City	58268 63027 63027 63027 63027 63027 63027 63027 63027 63027	0 1 2 11 23 33 33 37 39	Single Axle, Dump Body 11 11 0 11 100 0 0 Single Axle, flatbed 2 2 0 2 100 0 0 Water Truck 1 1 0 1 100 0 0 Drum Roller 40-67" 1 1 0 1 100 0 0 Wheel Loader 2 cy + 2 0 2 100 0 0 Tractor Loader-Backhoe 1 1 0 1 100 0 0 Sweeper, 3 Wheel Mechanicat 2 2 0 2 100 0 0
114 (114 (114 (94 (94 (94 (94 (94 (94 (94 (9	City of Council Bluffs City of Council Bluffs City of Council Bluffs City of Iowand Bluffs City of Iowa City City of Iowa City	City City City City City City City City	58268 63027 63027 63027 63027 63027 63027 63027 63027	0 1 2 11 23 33 33 37 39 48	Single Axle, Dump Body 11 11 0 11 100 0 0 Single Axle, flatbed 2 2 0 2 100 0 0 Water Truck 1 1 0 1 100 0 0 Drum Roller 40-67" 1 1 0 1 100 0 0 Wheel Loader 2 cy + 2 2 0 2 100 0 0 Tractor Loader-Backhoe 1 1 0 1 100 0 0

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				Equip.		Ourse Forthe Steel Fright Suich	· / 20	and one	10 20° 1	* 1503 Main Cors	~ /
ID	Entity	Туре	Pop.	Line	Type of Equipment	4000 410 10 50 50 10 10 10 10	<u> </u>	1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	* 10 10	0/0 0/01 0/0 OD	
		City	63027		1-Ton Flatbed	2 2		°			
94		City	63027		Broom, Attachment	2 2		0		2 100 0 0	
		City	63027 63027		Compressor, Air 125-200	3 3		0		3 100 0 0 I 100 0 0	
94		City City	63027	127	Filler, Crack Pump, Mud Paddle/Colloidal			0			
		City	68747		Single Axle, Dump Body	30 30		0	30		
		City	68747		Single axle, flatbed	5 5		0	F	5 100 0 0	
227	City of Waterloo, Iowa	City	68747	3	Single axle, van body	1 1		0		I 100 0 C	
		City	68747		Tandem axle, dump body	5 5		0		5 100 0 0	
		City	68747	5	Tandem axle, flatbed	2 2	\vdash	0		2 100 0 0	
		City	68747 68747	9	Platform Boom (High-Reach) Truck-Mounted Bitumen Distrubutor	4 3 1	\vdash	0		100 0 0 1 100 0 0	+
227		City City	68747		Semi-Tractor			0			
		City	68747		Concrete, Main Screed > 10 ft.	2 2		0		2 100 0 C	
227	City of Waterloo, Iowa	City	68747	23	Drum Roller 40–67"	2 2		0		2 100 0 0	
227	City of Waterloo, Iowa	City	68747	24	Drum Roller 67+"	1 1		0		I 100 0 C	l l
227	City of Waterloo, Iowa	City	68747	26	Rubber Tire Roller 9 wheel	1 1	\square	0		I 100 0 C	
227	City of Waterloo, Iowa	City	68747		Integrated Tool Carrier	0	\vdash	2 2		2 100 0 0	
		City	68747 68747	33	Wheel Loader 2 cy + Mowing Tractor <45 HP	0	+-+-	2 2		2 <u>100 0 0</u> 5 100 0 0	
227		City City	68747		Mowing Tractor <45 HP Mowing Tractor 65+ HP	0	\vdash	2 2		2 100 0 0	
227		City	68747	30	Tractor Loader-Backhoe	0		2 2		2 100 0 0	
227		City	68747		Sweeper, 3 Wheel Mechanical	4 4		0 2		100 0 C	
227	City of Waterloo, Iowa	City	68747	40	Sweeper, 4 Wheel Mechanical	1 1		0		I 100 0 C	
227	City of Waterloo, Iowa	City	68747	49	Motor grader, >135 HP	1 1		6 6	ī		
		City	68747	50	Self-Propelled Chip Spreader		\vdash	0		100 0 0	
227	City of Waterloo, Iowa	City	68747 68747		Skid Steer Loader, Wheel or Track	0	\vdash	2 2		2 100 0 0 100 0 0	
227		City	68747 68747		Bo-Mag Road Reclaimer-Scarifier Breaker Pavement, Attachment		\vdash	0		100 0 C	
227		City City	68747		Breaker Pavement, Attachment Brush Chipper		\vdash	0		2 100 0 0	
		City	68747		Compressor, Air 125-200	3 3		0		3 100 0 C	
		City	68747		Cutter, Stump	2 2		0		2 100 0 0	
227	City of Waterloo, Iowa	City	68747	109	Distributor Bitumen, Slip-in or Trailer	1 1		0		1 100 0 0	
227	City of Waterloo, Iowa	City	68747	112	Filler, Crack		\vdash	0		100 0 0	
227	City of Waterloo, Iowa	City	68747	113	Grapple Attachment, Loader	2 2	\vdash	0		2 100 0 0	
227		City	68747		Machine, Asphalt Patcher		+	0			
		City City	68747 68747		Machine, Profiler Marker, Centerline Paint		\vdash	0		1 100 0 0 3 100 0 0	
		City	68747		Saw, Concrete	4 4		0			
227	City of Waterloo, Iowa	City	68747	136	Snow Blower, Attachment	2 2		0		2 100 0 0	
227	City of Waterloo, Iowa	City	68747	137	Spade, Tree	2 2		0		2 100 0 0	
227	City of Waterloo, Iowa	City	68747		Sweeper Attachment	1 1	\vdash	0		I 100 0 C	
227	City of Waterloo, Iowa	City	68747		Trailer, Low Bed 15 Ton		\vdash	0	1		
		City	68747 68747		Trailer, Low Bed Semi Washer, Hi-Power Water	2 2	\vdash	0		1 100 0 0 2 100 0 0	
		City City	120758		Single Axle. Dump Body	40 40	\vdash	0	40		
		City	120758		Single axle, van body	1 1		0	40		
113		City	120758		Tandem axle, dump body	9 9		0	9		
113	City of Cedar Rapids	City	120758	8	Fully Equipped Paint Truck	1 1		0	1		
		City	120758		Truck-Mounted Bitumen Distrubutor	2 2	\vdash	0	2	2 100 0 0	
		City	120758		Water Truck	8 8	\vdash	0	8	100 0 0	
		City	120758 120758		Semi-Tractor Hydraulic wheeled, < 1 cy	1 1 2 2	\vdash	0		1 100 0 0 2 100 0 0	
113		City City	120758		Hydraulic wheeled, < 1 cy Hydraulic crawler, 1–2 cy		\vdash	0			
		City	120758		Asphalt, Main Screed > 10 ft.	2 2		0		2 100 0 0	
		City	120758		Drum Roller 40–67"	1 1		0		100 0 0	
113	City of Cedar Rapids	City	120758		Rubber Tire Roller 7 wheel	1 1		0	1	100 0 0	
		City	120758		Sheep's Foot Roller 40-67"	1 1	\vdash	0		100 0 0	
	City of Cedar Rapids	City	120758		Wheel Loader 2 cy +	6 6		0	6	100 0 0	
		City	120758		Mowing Tractor 45-65 HP	3 3	\vdash	0		3 100 0 0 3 100 0 0	
		City City	120758 120758		Mowing Tractor 65+ HP Tractor Loader-Backhoe	3 3	\vdash	0		3 100 0 0 1 100 0 0	
		City	120758		Sweeper, 3 Wheel Mechanical	4 4		0	4		
		City	120758		Sweeper, 4 Wheel Mechanical	3 3		0		3 100 0 C	
113	City of Cedar Rapids	City	120758	43	Dozer, 150 HP or less	1 1		0		I 100 0 C	
	City of Cedar Rapids	City	120758	48	Motor grader, 135 HP or less	1 1		0		I 100 0 C	
	City of Cedar Rapids	City	120758		Motor grader, >135 HP	16 7 9	\vdash	0	16	100 0 0	
113											1
113 113	City of Cedar Rapids	City	120758		Self-Propelled Chip Spreader			0			
113 113 113	City of Cedar Rapids City of Cedar Rapids		120758 120758 120758	53	Skid Steer Loader, Wheel or Track Breaker Pavement, Attachment			0		2 100 0 0 3 100 0 0	

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							///	LIGET USED	Owed starting	Maineren Mainer	¹⁰¹	501 010 000 000 00000000000000000000000	
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								10" J50"	ON Juil	· / * · /	2°		\sim / /
							(BIO 0110 000)		ist lott	and at	n onse	Chure chain ruche	13 ⁸⁸
				Equip.		Inec	Ind St. Sine	ETIO DESP	1 4 ⁶ / 18	a at	1058 1.*		3ª
ID	Entity	Туре	Pop.	Line	Type of Equipment	#ON1. #	5010 ¹⁰ 1010 ¹⁰ 1010 ¹⁰ 1010 ¹⁰	LIDI USED	*Le ¹⁵ ************************************	Marter Horizon	n Response 188	20 00 12910 000 000 000 000 000 000 000 000 000	
113		City	120758		Compressor, Air 125-200	6	6	1 T			6	100 0 0	1
		City	120758		Conveyor, Salt	1	1		0		1	100 0 0	
		City	120758	109	Distributor Bitumen, Slip-in or Trailer		2		0		2	100 0 0)
		City	120758	112	Filler, Crack		2		0		2	100 0 0)
		City	120758		Grapple Attachment, Loader	1	1		0		1	100 0 0	
		City	120758	115	Hydro-Seeder		1		0		1	100 0 0	
		City	120758		Marker, Centerline Paint		1		0	_	1	100 0 0	
		City	120758		Miller, Asphalt Spreader		2		0		2	100 0 0	
		City	120758 120758	124	Milling Head Pump, Mud Paddle/Colloidal	1	1		0		1	100 0 0 100 0 0	
		City City	120758		Saw, Concrete	2	2		0		2	100 0 0 100 0 0	
		City	120758		Saw, Concrete Sewer Jet Vacuum (Combination)		4	+	0		4		i i i i i i i i i i i i i i i i i i i
113	City of Cedar Rapids	City	120758		Tiller, Power Rake		2		0		2	100 0 0	
		City	120758		Trailer, Low Bed 15 Ton		4		0		4	100 0 0	
		City	120758		Trailer, Low Bed Semi		1		0		1	100 0 0	
		County	1465		Single Axle, Dump Body	3	3		0		3	90 10 0	
105	Clayton County	County	1465	2	Single axle, flatbed		1		0		1	90 10 0	
	Clayton County	County	1465		Tandem axle, dump body		15		0		15	80 20 0	
	Clayton County	County	1465	12	Semi-Tractor		1		0		1	50 50 0	
105		County	1465	14	Hydraulic wheeled, 1-2 cy	0	3		0		3	80 20 0	
	Clayton County	County	1465		Loader Crawler 80+ HP	1	1		0		1	100 0 0	
	Clayton County	County	1465 1465		Wheel Loader 2 cy or less	1	1	+ $+$	0	+ +	1	90 10 0 90 10 0	
105	Clayton County	County	1465	33	Wheel Loader 2 cy + Mowing Tractor 45-65 HP	2	3		0	+ +	1	100 0 0	
105	Clayton County Clayton County	County County	1465	30	Mowing Tractor 45-65 HP Mowing Tractor 65+ HP		2	+ $+$	0	+ +	3	100 0 0	
	Clayton County	County	1465		Tractor Loader-Backhoe	1	1		0	+ +	1	100 0 0	
	Clayton County	County	1465		Dozer, 150 HP or less	2	2		0		2	50 50 0	
105		County	1465	46	Dragline, 1/2 cy or less	1	1		0		1	20 80 0	
105	Clayton County	County	1465	49	Motor grader, >135 HP	12	2 10		0		12	90 10 0	
105	Clayton County	County	1465	105	Compressor, Air 125-200	1	1		0		1	50 50 0	
105	Clayton County	County	1465	111	Driver, Pile or Pipe	1		1	0		1	20 80 0	
105		County	1465		Filler, Crack	1	1		0		1	100 0 0	
	Clayton County	County	1465		Hydro-Seeder	1	1		0	_	1	50 50 0	
	Clayton County	County	1465		Machine, Asphalt Patcher	1	1		0		1	100 0 0 50 50 0	
105		County County	1465 2535		Trailer, Low Bed Semi Single Axle, Dump Body		2		0		2	50 50 0 90 10 0	
123	Iowa County	County	2535		Tandem axle, dump body	-	10		0		10		
	Iowa County	County	2535	12	Semi-Tractor	2	2		0		2	95 5 0	
		County	2535		Hydraulic wheeled, 1-2 cy	1	1		1	1	2	100 0 0	
		County	2535		Hydraulic crawler, 1–2 cy	2	2		0		2	50 50 0	
123	Iowa County	County	2535	28	Sheep's Foot Roller 67"+	1	1		0		1	10 90 0)
	Iowa County	County	2535		Wheel Loader 2 cy +	3	3		0		3	95 5 0	
		County	2535		Mowing Tractor 65+ HP	3	3		0		3	90 10 0	
		County	2535		Tractor Loader-Backhoe	1		1	0	+ +	1	90 10 0	
		County	2535	43	Dozer, 150 HP or less	1		+ +	0	+	1	60 40 0	
	Iowa County	County	2535		Dozer, 150-300 HP	1		1	0		1	60 40 0	
		County County	2535 2535	47	Dragline, > 1/2 cy Motor grader, >135 HP		11	4	0	+ +	11		
		County	2535		Broom, Attachment	1		1	0		1		
		County	2535		Brush Chipper	2	1	1	0	+ +	2	95 5 0	
		County	2535	105	Compressor, Air 125-200	1	1		0		1		
		County	2535		Distributor Bitumen, Slip-in or Trailer	1		1	0		1	100 0 0	
123	Iowa County	County	2535	112	Filler, Crack	1		1	0		1	100 0 0)
123	Iowa County	County	2535	115	Hydro-Seeder	1	1		0		1	50 50 0	
		County	2535		Saw, Concrete	1	1		0		1	100 0 0	
		County	2535		Sprayer, Weed	2	1	1	0		2	100 0 0	
		County	2535		Trailer, Belly Dump	1		1	0	+	1		
		County	2535		Trailer, Low Bed 15 Ton	1	1	+ $+$	0	+ +	1	80 20 0 80 20 0	
		County	2535 2535	144	Trailer, Low Bed Semi Not Applicable	1		+ +	0	+	1	80 20 0	<u>,</u>
		County	2535		Single Axle, Dump Body	-	8 4		0	+ +	12	87.5 100 0 0	1
	Adams County	County	4482		Single axle, flatbed	1	1		0	+ +	12	75 100 0 0	
		County	4402		Semi-Tractor	1	<u>+ + + + + + + + + + + + + + + + + + + </u>	1	0		1		
		County	4482	32	Wheel Loader 2 cy or less	1		1	0		1	100 100 0 0	
	Adams County	County	4482	36	Mowing Tractor 65+ HP	2	2		0		2	75 100 0 0)
64		County	4482	42	Cranes	1		1	0		1	37.5 100 0 0)
64	Adams County								- 1	- T	2	81 25 100 0 0)
64 64	Adams County	County	4482	43	Dozer, 150 HP or less	2	2	_	0		2		
64 64 64	Adams County Adams County	County County	4482	49	Motor grader, >135 HP	8	8		0		8	90.6 100 0 0)
64 64 64	Adams County Adams County Adams County	County County County	4482 4482	49 103	Motor grader, >135 HP Broom, Attachment	8	8	1	0		8	90.6 100 0 0 18.75 100 0 0	
64 64 64 64	Adams County Adams County Adams County Adams County	County County	4482	49 103 104	Motor grader, >135 HP	2 8 1 1	-	1	0		8	90.6 100 0 0	

					Type of Equipment
				Equip.	
ID	Entity	Туре	Pop.	Line	Type of Equipment 4 of the 1 state s
		County	4482		
	Adams County	County	4482		Trailer, Low Bed Semi 1 1 0 1 90 10 0
	Adams County	County	4482		Washer, Hi-Power Water 1 1 0 1 90 10 0
		County	6830 6830	1	Single Axle, Dump Body 9 9 0 9 100 0 Tandem axle, dump body 3 1 2 0 3 100 0
235	Audubon County Secondary Roads Audubon County Secondary Roads	County County	6830	12	Tandem axle, dump body 3 1 2 0 3 100 0
	Audubon County Secondary Roads	County	6830		Semi-fraction 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
		County	6830		Indication medices (1 - 2 cy 1 1 1 0 0 1 96 4 0
235		County	6830	32	Mpel Loader 2 cy or less 1 1 0 1 100 0
235	Audubon County Secondary Roads	County	6830		Wheel Loader 2 cy + 2 2 0 2 100 0
	Audubon County Secondary Roads	County	6830	35	Mowing Tractor 45-65 HP 1 1 1 0 0 1 100 0 0
	Audubon County Secondary Roads	County	6830	36	Mowing Tractor 65+ HP 2 2 0 2 100 0 0
		County	6830		Dozer, 150 HP or less 1 1 0 1 93 7 0
		County	6830	46	Dragline, 1/2 cy or less 2 1 1 0 2 74 26 0
	Audubon County Secondary Roads	County	6830		Motor grader,>135 HP 10 10 0 10 94 6 0 Broom Attackment 1 1 0 1 100 0
235		County	6830 6830		
		County County	6830	104	Brush Chipper 2 2 0 2 100 0 0 Compressor, Air 125-200 1 1 0 1 100 0 0
		County	6830		Compression, Am 229-200 1 1 1 100 0 0 0
		County	6830		Tradic, 10 mm 1 1 0 0 0
235		County	6830		Saw Concrete 1 1 0 1 100 0
235	Audubon County Secondary Roads	County	6830	131	Seeder 1 1 1 0 0 1 1 100 0
235	Audubon County Secondary Roads	County	6830	138	Sprayer, Weed 3 3 0 3 100 0
		County	6830		Trailer, Belly Dump 2 2 0 2 100 0 0
		County	6830		Trailer, Low Bed Semi 1 1 1 0 1 100 0 0
		County	6958		Single Axle, Dump Body 1 1 1 0 1 63.75 35 65 0
		County	6958 6958		Single axle, flatbed 3 3 0 3 75 44 56 0 Tandem axle, dump body 5 2 3 0 5 85 88 12 0
		County County	6958		Tandem axle, dump body 5 2 3 0 5 85 88 12 0 Semi-Tractor 1 1 0 1 7.5 55 45 0
		County	6958		Semi-riaduo Hydraulic crawler, 1–2 cy 1 1 1 0 1 93.75 65 35 0
		County	6958		Rubber Time Roller 7 wheel 1 1 0 1 0.00 0
219	Taylor County	County	6958	27	Sheep's Foot Roller 40-67" 1 0 1 37.5 0 100 0
219	Taylor County	County	6958	32	Wheel Loader 2 cy or less 1 1 0 1 67.5 100 0 0
		County	6958		Mowing Tractor 45-65 HP 5 5 0 5 80 88 12 0
		County	6958		Dozer, 150 HP or less 1 1 0 1 45 22 78 0
219		County	6958		Dozer, 150-300 HP 1 1 0 1 27.5 0 100 0 Dradine, 1/2 cv or less 1 1 0 1 27.5 0 100 0
		County	6958 6958		
	Taylor County Taylor County	County County	6958		Dragline, > 1/2 cy 1 1 0 1 60 0 100 0 Motor grader, >135 HP 8 8 0 8 93.75 90 10 0
		County	6958		Motor gradu, 1100 1 0 0 0 10 0 10 0 0 10 0 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10
219		County	6958		Outputcesson, rm. 120200 1 1 0 1 100 0 </td
		County	6958		Spade, Tree 1 1 0 1 40 100 0
219	Taylor County	County	6958	138	Spraver, Weed 1 1 1 0 0 1 55 100 0 0
219		County	6958	144	Trailer, Low Bed Semi 1 1 0 1 82.5 52 48 0
		County	6958		14'Til Top trailer 1 1 0 1 27.5 0 100 0
		County	6958		Pull Scrapers 1 1 0 1 5 100 0 0 Fondlift 1 1 0 1 90 100 0
	Taylor County Taylor County	County	6958 6958		Forklift 1 1 0 1 90 100 0 Single axle truck, utility box, Hydraulic arm 1 1 0 1 90 100 0 0
219		County County	6958		Single axe truck, utility box, ryurauluc arm 1 1 0 0 1 00 0 0 0 0 0 0 0 0 0 0 0 0 0
		County	7003		Single Axie Judy, duily low, with 1 1 1 0 0 1 0 100 0 100 0 100 0 100 0 100 0 100 0 0 100 0 0 100 0 0 100 0 0 0
	Osceola County	County	7003		Single axle, flatbed 1 1 0 0 1 1 100 0 0
36	Osceola County	County	7003	4	Tandem axle, dump body 5 5 0 5 94 6 0
36	Osceola County	County	7003	10	Truck-Mounted Bitumen Distrubutor 1 1 0 1 100 0
		County	7003		Semi-Tractor 1 1 0 0 0 0
	Osceola County	County	7003		Hydraulio wheeled, 1-2 cy 2 1 1 0 2 75 25 0 Wheel Loader 2 cy + 4 4 0
		County	7003	33	
		County County	7003 7003		
	Osceola County Osceola County	County	7003	30	Mowing Tractor 65+ HP 1 1 0 1 100 0 Dozer, 150 HP or less 1 1 0 1 75 25 0
		County	7003	43	Duzer, 130 HP 0195 1 1 1 20 0 1 1 1 20 0 0 0 0 0 0 0 0 0 0
		County	7003	104	moust grader, risoline 5 50 5 50 12 0 Bush Chipper 1 1 0 1 100 0
	Osceola County	County	7003		Som response i i i i i i i i i i i i i i i i i i i
	Osceola County	County	7003		Shouldering Machine 1 1 0 1 100 0 0
36	Osceola County	County	7003	138	Sprayer, Weed 1 1 0 1 100 0
	Osceola County	County	7003	141	Trailer, Belly Dump 1 1 0 1 100 0 0
	Osceola County	County	7003		Trailer, Low Bed 15 Ton 1 1 0 1 75 25 0
36		County	7909		Single Axle, Dump Body 2 1 1 0 2 100 0 0
36 14	Worth County				
36 14 14	Worth County	County	7909	4	Tandem axle, dump body 13 13 0 13 95 5 0 Ownit Treatment 0
36 14 14 14	Worth County		7909 7909 7909	12	Tandem axle, dump body 13 13 0 13 95 5 0 Semi-Tractor 2 1 1 0 2 95 5 0 Hydraulic orawler, 1–2 cy 1 1 0 1 90 10 0

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							No /	urone cont	edu ree	°/ ,	Ster Ster Ster	artic reev	whee	S arterards retuel
					Sec.	, mai	12	ting the		Sed 1		° / 5 ⁸ / 3	Or /	Se inter netty
ID	Entity	Туре	Pop.	Equip. Line Type of Equipment	*ON.	*Formal	ADIROL P	Etising Purche	115ed 15ed 10000000	25580 #Long	Te tong te stort	6 ¹⁰ 6 ¹¹ 26 ¹⁰ 10 2650 ¹⁰ 10 ⁸	Owned and	Se haiterance
	Worth County	County	7909	33 Wheel Loader 2 cy +	<u> </u>	× (<u> </u>	1	Ť Ť	ol î			<u>í í</u>	90 10
	Worth County	County	7909	35 Mowing Tractor 45-65 HP	4	2		2	(0		4		100 0
1	Worth County	County	7909	36 Mowing Tractor 65+ HP	1			1	(0		1		100 0
	Worth County	County	7909	49 Motor grader, >135 HP	5	5	_		(0		5		90 10 100 0
	Worth County Worth County	County County	7909 7909	104 Brush Chipper 107 Conveyor, Salt	1	1	1			0		1		100 0 100 0
	Worth County	County	7909	144 Trailer, Low Bed Semi	2		1	1		0		2		90 10
20	Fremont County Road Department	County	8010	1 Single Axle, Dump Body	4	4			(0		4		100 0
20	Fremont County Road Department	County	8010	2 Single axle, flatbed	2	2		-		0		2		94 6
	Fremont County Road Department	County	8010 8010	4 Tandem axle, dump body 10 Truck-Mounted Bitumen Distrubutor	4	4	_	+ +	(0		4		100 0 100 0
	Fremont County Road Department Fremont County Road Department	County County	8010 8010	10 Truck-Mounted Bitumen Distrubutor 12 Semi-Tractor	2	2		+ +	(0		1		100 0
	Fremont County Road Department	County	8010	14 Hydraulic wheeled, 1–2 cy	1	1	-		,	0		1		100 0
	Fremont County Road Department	County	8010	17 Hydraulic crawler, 1–2 cy	1			1	(-		1		87 13
20	Fremont County Road Department	County	8010	26 Rubber Tire Roller 9 wheel	2	2			(0		2		100 0
	Fremont County Road Department	County	8010	33 Wheel Loader 2 cy +	2	2			(2		100 0
	Fremont County Road Department Fremont County Road Department	County County	8010 8010	36 Mowing Tractor 65+ HP 37 Tractor Loader-Backhoe	4	4	_	+ +	(0		4		100 0 93 7
	Fremont County Road Department	County	8010	40 Sweeper, 4 Wheel Mechanical	1	1	-	+ +		0		1		100 0
20	Fremont County Road Department	County	8010	42 Cranes	1	1		1	(-		1		100 0
20	Fremont County Road Department	County	8010	43 Dozer, 150 HP or less	1	1				0		1		78 22
	Fremont County Road Department	County	8010	44 Dozer, 150-300 HP	1	1	_			0		1		100 0 94 6
	Fremont County Road Department Fremont County Road Department	County County	8010 8010	47 Dragline, > 1/2 cy 49 Motor grader, >135 HP	7	7		1		0		7		94 6 100 0
	Fremont County Road Department	County	8010	50 Self-Propelled Chip Spreader	1	1				0		1		100 0
	Fremont County Road Department	County	8010	104 Brush Chipper	2	2			(0		2		100 0
20	Fremont County Road Department	County	8010	106 Compressor, Air 200+	1		1			0		1		100 0
	Fremont County Road Department	County	8010	141 Trailer, Belly Dump	2	2	_			0		2		100 0
	Fremont County Road Department	County	8010 8010	143 Trailer, Low Bed 15 Ton	3	3				0		3		90 10 90 10
	Fremont County Road Department Davis County Highway Department	County County	8010	144 Trailer, Low Bed Semi 1 Single Axle, Dump Body	3	3	_			0		3		90 10 90 10
	Davis County Highway Department	County	8541	2 Single axle, flatbed	2	1		1				2		75 25
2	Davis County Highway Department	County	8541	4 Tandem axle, dump body	3	1	2			0		3		90 10
	Davis County Highway Department	County	8541	12 Semi-Tractor	1		_	1		0		1		50 50
	Davis County Highway Department	County	8541 8541	13 Hydraulic wheeled, < 1 cy 28 Sheep's Foot Roller 67"+	2		2	+ +		0		2		75 25 25 75
2	Davis County Highway Department Davis County Highway Department	County County	8541 8541	28 Sheep's Foot Roller 67"+ 29 Integrated Tool Carrier	1	1	4					1		25 75 100 0
	Davis County Highway Department	County	8541	36 Mowing Tractor 65+ HP	5		4	1		0		5		100 0
2	Davis County Highway Department	County	8541	44 Dozer, 150-300 HP	2		2		(2		50 50
	Davis County Highway Department	County	8541	46 Dragline, 1/2 cy or less	1	1		+	(-		1	⊢ T	50 50
	Davis County Highway Department	County	8541 8541	49 Motor grader, >135 HP 56 Drum Roller < 40"	9		9		(<u> </u>	9		85 15 100 0
	Davis County Highway Department Davis County Highway Department	County County	8541 8541	56 Drum Roller < 40" 57 Crawler Tractor 450 HP	1		1			-		1		25 75
	Davis County Highway Department	County	8541	58 Concrete Saw 65 HP	1		1	1		0		1		100 0
2	Davis County Highway Department	County	8541	104 Brush Chipper	1		1		(0		1		100 0
	Davis County Highway Department	County	8541	105 Compressor, Air 125-200	1		1		(0		1		95 5
2	Davis County Highway Department Davis County Highway Department	County County	8541 8541	114 Heater, Pre-Mix 144 Trailer, Low Bed Semi	1		1	1	(0	<u> </u>			100 0 50 50
2	Davis County Highway Department	County	8541	144 Trailer, Low Bed Semi 147 14' Tilt Top trailer	1		1	+ +		•		1		75 25
	Davis County Highway Department	County	8541	148 Pull Scrapers	2		2		(0		2		40 60
4	Pocahontas County	County	8662	1 Single Axle, Dump Body	3				3 (0		3		100 0
	Pocahontas County	County	8662	2 Single axle, flatbed	2	-	_		2 (•		2		98 2
4	Pocahontas County Pocahontas County	County County	8662 8662	4 Tandem axle, dump body 12 Semi-Tractor	17	2	_	+ +	15 (0	<u> </u>	17		95 5 95 5
	Pocahontas County	County	8662	15 Hydraulic wheeled, 2+ cy	1			+ +	1 (0		1		95 5
	Pocahontas County	County	8662	33 Wheel Loader 2 cy +	2				2 (0		2		98 2
4	Pocahontas County	County	8662	35 Mowing Tractor 45-65 HP	3				3 (0		3		100 0
	Pocahontas County	County	8662	37 Tractor Loader-Backhoe	1		_		1 (0		1		98 2
	Pocahontas County Pocahontas County Pocahontas County	County	8662 8662	43 Dozer, 150 HP or less 49 Motor grader, >135 HP	1		1		1 (<u> </u>	1		50 50 99 1
	Pocahontas County	County County	8662	103 Broom, Attachment	15		4			0		15		100 0
	Pocahontas County	County	8662	105 Compressor, Air 125-200	1				1 (0		1		100 0
4	Pocahontas County	County	8662	134 Shouldering Machine	1				1 (1		100 0
	Pocahontas County	County	8662	136 Snow Blower, Attachment	1		_			0		1		100 0
	Pocahontas County Pocahontas County Pocahontas County	County	8662 8662	143 Trailer, Low Bed 15 Ton 144 Trailer, Low Bed Semi	1		_	+		0		1		95 5 95 5
	Decator County Engineer	County	8662 8689	144 Trailer, Low Bed Semi 1 Single Axle, Dump Body	5	5		+ +	1 (1 5	100	95 5 90 10
7	Decator County Engineer	County	8689	2 Single axle, flatbed	1	1				0		1	100	0 100
7	Decator County Engineer	County	8689	4 Tandem axle, dump body	4	4				0		4	100	88 12
7	Decator County Engineer	County County	8689 8689	10 Truck-Mounted Bitumen Distrubutor 12 Semi-Tractor	1	1				0		1	25	100 0
	Decator County Engineer									0	1 1		100	38 62

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			Equip.		* Owned * For	10 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 ⁸⁵ 10 ⁶⁵ 10 ⁶⁶ 10 ⁷⁶ 10 ⁷⁶	ong chor P	§. 13* 15°	Se Naine	Nanca olo Construct
	Entity	Туре	Pop. Line	Type of Equipment		/*`/*`/*`	<u> * * * * </u>	* * *	100 010	00.	0/0
		County		Hydraulic crawler, 1–2 cy	2 2		0		2 100	00	50
		County		Rubber Tire Roller 9 wheel	1	1	0		1 25	100	0
	ator County Engineer	County		Sheep's Foot Roller 67"+	1	1	0		1 50	0	100
		County County		Loader Crawler 80 HP or less Wheel Loader 2 cy or less	3	3			1 100 3 100	50 100	50 0
	ator County Engineer	County		Mowing Tractor <45 HP	1	1			1 100	100	0
	ator County Engineer	County		Mowing Tractor 45-65 HP	2 2		0		2 100	100	0
		County		Mowing Tractor 65+ HP	2 2		0		2 100	100	0
		County		Cranes	1	1	0		1 100	0	100
Dec	ator County Engineer	County	8689 43	Dozer, 150 HP or less	2 2		0		2 100	50	50
	ator County Engineer	County		Motor grader, >135 HP	8 8		0		8 100	100	0
		County		Self-Propelled Chip Spreader	1	1	v		1 25	100	0
		County		Compressor, Air 125-200	2 1	1			2 75	50	50
		County		Driver, Pile or Pipe	1	1	°,		1 100		100
		County		Seeder	1 1		0		1 50	0	100
		County County		Trailer, Belly Dump Trailer, Low Bed Semi	1 1		0	+ +	1 100	50	50
		County		Washer, Hi-Power Water	1 1	1	0		1 100	100	0
		County		Single Axle, Dump Body	3	3	0		3	100	0
		County		Single axle, flatbed	1	1	0		1	85	15
Clar		County		Tandem axle, dump body	4	4	0		4	90	10
Clar	ke County Secondary Roads	County	9133 12	Semi-Tractor	2	1 1	0		2	95	5
Clar	ke County Secondary Roads	County		Hydraulic wheeled, 1–2 cy	1	1	0		1	95	5
Clar		County		Hydraulic crawler, 1–2 cy	1	1	v		1	85	15
		County		Rubber Tire Roller 9 wheel	1	1			1	5	95
		County	9133 28	Sheep's Foot Roller 67"+	1	1	0	_	1	20	80
		County		Wheel Loader 2 cy + Mowing Tractor <45 HP	1		0		1	90 100	10 0
Clar		County County		Mowing Tractor 65+ HP	4	4	0		4	95	5
		County		Dozer, 150-300 HP	2 2	- 4	0		2	85	15
Clar	ke County Secondary Roads	County		Motor grader, >135 HP	10	10	0		10	95	5
		County		Brush Chipper	1	1	0		1	100	0
Clar	ke County Secondary Roads	County	9133 105	Compressor, Air 125-200	1	1	0		1	80	20
Clar		County		Seeder	1	1	0		1	60	40
		County		Sprayer, Weed	1	1	0		1	100	0
Clar		County		Trailer, Low Bed Semi	2		0		2	95	5
		County		Washer, Hi-Power Water	1 3 3		0	_	1	90 100	10
	ard County Secondary Roads ard County Secondary Roads	County County		Single Axle, Dump Body Tandem axle, dump body	8 8		0		3	98	0
				Hydraulic wheeled, 1–2 cy	1 1		0		1	90	5
		County County		Hydraulic crawler, 1–2 cy	1 1		0		1	95	5
		County		Wheel Loader 2 cy or less	1 1		0		1	100	0
		County	9932 33	Wheel Loader 2 cy +	1 1		0		1	100	0
How	ard County Secondary Roads	County	9932 36	Mowing Tractor 65+ HP	3 1	2	°		3	100	0
How	ard County Secondary Roads	County	9932 37	Tractor Loader-Backhoe	1 1		0		1	100	0
		County		Dozer, 150 HP or less	2 2		0		2	75	25
	ard County Secondary Roads	County	9932 47	Dragline, > 1/2 cy	1 1		0		1	80 100	20
HOW		County		Motor grader, 135 HP or less	11 11		0		11	100	0
		County County		Broom, Attachment Brush Chipper	1 1		0			100	0
	ard County Secondary Roads	County		Compressor, Air 125-200	1 1		0		1	100	0
		County		Driver, Pile or Pipe	2	2	0		2	100	0
How	ard County Secondary Roads	County		Kettle, Bitumen Heater	1	1	0		1	100	0
How	ard County Secondary Roads	County	9932 129	Roller, Attachment	2	2	0		2	100	0
How	ard County Secondary Roads	County		Snow Blower, Attachment	1 1		0		1	100	0
		County	9932 138	Sprayer, Weed	1	1	0		1	100	0
	ard County Secondary Roads	County		Trailer, Low Bed Semi	1	1	0		1	98	2
	oma County	County		Single Axle, Dump Body	9 9		0		9 100	100	0
	oma County	County		Single axle, flatbed	4 4		0		4 81.25 6 83.3	100	0
	oma County oma County	County County		Tandem axle, dump body Hydraulic wheeled, 1–2 cy	2 2		0		6 83.3 2 75	100	0
	oma County	County	10020 14	Hydraulic wheeled, 1–2 cy Hydraulic crawler, 1–2 cy	2 2		0		2 /5	100	0
	oma County	County		Wheel Loader 2 cy or less	6 6		0		6 100	100	0
		County	10020 35	Mowing Tractor 45-65 HP	6 6		0		6 75	100	0
Mon	oma County	County	10020 36	Mowing Tractor 65+ HP	0		3 3		3 75	100	0
Mon	oma County	County	10020 42	Cranes	1 1		0		1 50	100	0
	oma County	County	10020 43	Dozer, 150 HP or less	1 1		0		1 75	100	0
	oma County	County	10020 44	Dozer, 150-300 HP	2 2		0		2 0	100	0
4 Mon				Motor grader >12E UD		1 1	1 1	1 1	16 100	100	0
Mon Mon	oma County	County		Motor grader, >135 HP	15 15			1			0
Mon Mon Mon	oma County	County County County	10020 51	Scraper, Rubber Tire Elevating <15 cy Skid Steer Loader, Wheel or Track	15 15		0		1 75	100	0

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ID	Entity	Туре	Pop.	Line Type of Equipment	<u> </u>	<u> ~~ /~ /~ /~ /~ /~ /~ /~ /~ /~ /~ /~ /~ /</u>	* 10 10	0/0 0/0 0/0 0/0	
	Monoma County	County	10020	103 Broom, Attachment	1 1	°			
	Monoma County	County	10020	106 Compressor, Air 200+	3 3	0	3	75 100 0 0	
	Monoma County	County	10020	115 Hydro-Seeder		0	1	75 100 0 0 75 100 0 0	
4	Monoma County Monoma County	County County	10020 10020	117 Machine, Asphalt Patcher 124 Milling Head		0	1	75 100 0 0 75 100 0 0	
	Monoma County	County	10020	130 Saw, Concrete	1 1	0	1	75 100 0 0	
-	Monoma County	County	10020	131 Seeder	1 1	0	1	50 50 50 0	
	Monoma County	County	10020	138 Sprayer, Weed	1 1	0	1	75 100 0 0	
4	Monoma County	County	10020	141 Trailer, Belly Dump	3 3	0	3	75 100 0 0	
	Monoma County	County	10020	143 Trailer, Low Bed 15 Ton	3 3	0	3	75 100 0 0	
	Monoma County	County	10020	144 Trailer, Low Bed Semi	2 2	0	2	75 100 0 0	
	Monoma County	County	10020	146 Washer, Hi-Power Water	3 3	0	3		
	Greene County	County	10366	1 Single Axle, Dump Body	10 9 1	0	10		
	Greene County	County	10366	2 Single axle, flatbed	7 7	0	1	99 1 0	
9	Greene County Greene County	County	10366 10366	4 Tandem axle, dump body		0	2	99 1 0 99 1 0	
9	Greene County Greene County	County County	10366	12 Semi-Tractor 17 Hydraulic crawler, 1–2 cy		0	2	99 1 0	
	Greene County Greene County	County	10366	27 Sheep's Foot Roller 40-67"		0		98 2 0	
	Greene County	County	10366	28 Sheep's Foot Roller 67"+		0	1	98 2 0	
9	Greene County	County	10366	33 Wheel Loader 2 cy +	3 3	0	3	98 2 0	
9	Greene County	County	10366	36 Mowing Tractor 65+ HP	2 2	0	2	100 0 0	
9	Greene County	County	10366	37 Tractor Loader-Backhoe	4 4	0	4	99 1 0	
9	Greene County	County	10366	43 Dozer, 150 HP or less	2 1 1	0	2	98 2 0	
	Greene County	County	10366	49 Motor grader, >135 HP	14 13 1	0	14		
	Greene County	County	10366	103 Broom, Attachment		0	1	100 0 0	
	Greene County	County	10366	105 Compressor, Air 125-200		0	1	100 0 0	
9	Greene County Greene County	County	10366 10366	130 Saw, Concrete		0		100 0 0 100 0 0	
9	Greene County Greene County	County	10366	132 Sewer Jet 138 Sprayer, Weed		0	1	100 0 0	
	Greene County	County County	10366	141 Trailer, Belly Dump	2 2	0	2	99 1 0	
	Greene County	County	10366	142 Trailer, Side Dump	2 2	0	2	98 2 0	
9	Greene County	County	10366	143 Trailer, Low Bed 15 Ton	5 4 1	0	5		
	Greene County	County	10366	144 Trailer, Low Bed Semi	1 1	0	1	99 1 0	
	Franklin County Road Dept.	County	10704	1 Single Axle, Dump Body	12 7 5	0	12	80 20 0	
5	Franklin County Road Dept.	County	10704	4 Tandem axle, dump body	5 2 3	0	5	80 20 0	
	Franklin County Road Dept.	County	10704	9 Platform Boom (High-Reach)	1 1	0	1	70 30 0	
	Franklin County Road Dept.	County	10704	12 Semi-Tractor	2 2	0	2	80 20 0	
	Franklin County Road Dept. Franklin County Road Dept.	County	10704 10704	13 Hydraulic wheeled, < 1 cy 29 Integrated Tool Carrier	2 1 1	0	2	75 25 0 100 0 0	
5	Franklin County Road Dept.	County County	10704	31 Loader Crawler 80+ HP		0	1	90 10 0	
	Franklin County Road Dept.	County	10704	32 Wheel Loader 2 cy or less		0	1	100 0 0	
	Franklin County Road Dept.	County	10704	33 Wheel Loader 2 cy +	3 1 2	0	3	100 0 0	
5	Franklin County Road Dept.	County	10704	35 Mowing Tractor 45-65 HP	2 2	0	2	100 0 0	
5	Franklin County Road Dept.	County	10704	36 Mowing Tractor 65+ HP	1 1	0	1	100 0 0	
5	Franklin County Road Dept.	County	10704	37 Tractor Loader-Backhoe	1 1	0	1	90 10 0	
	Franklin County Road Dept.	County	10704	43 Dozer, 150 HP or less	2 2	0	2	30 70 0	
5	Franklin County Road Dept.	County	10704	49 Motor grader, >135 HP	15 7 8	0	15	90 10 0	
	Franklin County Road Dept.	County	10704	104 Brush Chipper		0	1	100 0 0	
	Franklin County Road Dept. Franklin County Road Dept.	County County	10704 10704	105 Compressor, Air 125-200 117 Machine, Asphalt Patcher		0		100 0 0 100 0 0	
	Franklin County Road Dept.	County	10704	136 Snow Blower, Attachment	2 2	0	2		
	Franklin County Road Dept.	County	10704	141 Trailer, Belly Dump	2 1 1	0	2	90 10 0	
	Franklin County Road Dept.	County	10704	144 Trailer, Low Bed Semi	1 1	0	1	30 70 0	
5	Franklin County Road Dept.	County	10704	145 Trailer, Van	1 1	0	1	0 0 100	
	Franklin County Road Dept.	County	10704	146 Washer, Hi-Power Water	1 1	0	1	100 0 0	
	Mitchell County	County	10874	1 Single Axle, Dump Body	2 2	0	2		
	Mitchell County	County	10874	2 Single axle, flatbed		0	1	100 0 0	
	Mitchell County	County	10874	4 Tandem axle, dump body		0	11		
	Mitchell County Mitchell County	County County	10874 10874	11 Water Truck 12 Semi-Tractor		0	1	100 0 0 95 5 0	
	Mitchell County	County	10874	12 Semi-Tractor 17 Hydraulic crawler, 1–2 cy		0	1	95 5 0	
	Mitchell County	County	10874	32 Wheel Loader 2 cy or less		0	1	100 0 0	
	Mitchell County	County	10874	33 Wheel Loader 2 cy +	1 1		1		
	Mitchell County	County	10874	36 Mowing Tractor 65+ HP	3 3	0	3	100 0 0	
3	Mitchell County	County	10874	40 Sweeper, 4 Wheel Mechanical	1 1	0	1	100 0 0	
	Mitchell County	County	10874	43 Dozer, 150 HP or less	1 1	0	1	100 0 0	
-	Mitchell County	County	10874	46 Dragline, 1/2 cy or less	1 1	0	1	100 0 0	
3	Mitchell County	County	10874	48 Motor grader, 135 HP or less	1 1	0	1	100 0 0	
3		O aurori			10 10				
3	Mitchell County Mitchell County	County County	10874 10874	49 Motor grader, >135 HP 104 Brush Chipper	10 10	0	10	95 5 0 100 0 0	

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ID Entity	Туре	Pop. Line	Type of Equipment	/*`/	*	/*`	/*`	/*' /*' /*'	<u> </u>	0/0	0/0, 0/0, 0/2	/
31 Mitchell County 31 Mitchell County	County County		Sprayer, Weed Trailer, Low Bed Semi	1		1				1	100 0 0 95 5 0	
203 Emmet County Secondary Roads	County		Tandem axle, dump body	7	7	- '				7	98 2 0	
203 Emmet County Secondary Roads	County	11027 12	Semi-Tractor	1	1			0		1	98 2 0]
203 Emmet County Secondary Roads	County		Drum Roller 40-67"	1	1			0		1	100 0 0	
203 Emmet County Secondary Roads 203 Emmet County Secondary Roads	County County	11027 30 11027 33	Loader Crawler 80 HP or less Wheel Loader 2 cy +	2	1			0		2	98 2 0 98 2 0	
203 Emmet County Secondary Roads	County		Mowing Tractor 65+ HP	1	1					1	100 0 0	
203 Emmet County Secondary Roads	County		Tractor Loader-Backhoe	1	1			0)	1	100 0 0	
203 Emmet County Secondary Roads	County		Dozer, 150 HP or less	1	1			0		1	2 98 0	4
203 Emmet County Secondary Roads	County		Dragline, 1/2 cy or less	1	1 12			0		1	100 0 0 98 2 0	4
203 Emmet County Secondary Roads 203 Emmet County Secondary Roads	County County		Motor grader, >135 HP Compressor, Air 125-200	1	12					1	100 0 0	
203 Emmet County Secondary Roads	County	11027 109	Distributor Bitumen, Slip-in or Trailer	1	1			0		1	100 0 0	
203 Emmet County Secondary Roads	County	11027 130	Saw, Concrete	1	1		_	0		1	100 0 0	
203 Emmet County Secondary Roads	County		Shouldering Machine	1	2			1 0		1	100 0 0	
203 Emmet County Secondary Roads 203 Emmet County Secondary Roads	County County		Snow Blower, Attachment Trailer, Belly Dump	2	2					1	100 0 0 98 2 0	
203 Emmet County Secondary Roads	County		Trailer, Low Bed Semi	1	- 1			1 0		1	98 2 0	
12 Calhoun County	County	11115 1	Single Axle, Dump Body	3	3			0)	3	100 0 0	
12 Calhoun County	County		Single axle, flatbed	1	1			0		1	100 0 0	
12 Calhoun County 12 Calhoun County	County County		Tandem axle, dump body Semi-Tractor	11	6	5		1 0		1	99 1 0 100 0 0	-
12 Calhoun County 12 Calhoun County	County		Hydraulic crawler, 1–2 cy	4	3					1	99 1 0	1
12 Calhoun County	County	11115 28	Sheep's Foot Roller 67"+	2				2 0		2	50 50 0	
12 Calhoun County	County		Wheel Loader 2 cy +	4	3	1		0		4	100 0 0	4
12 Calhoun County	County		Mowing Tractor 45-65 HP Tractor Loader-Backhoe	2	2	3		0		2	100 0 0 100 0 0	4
12 Calhoun County 12 Calhoun County	County County	11110	Dozer, 150 HP or less	2		3		2 0		2	50 50 0	
12 Calhoun County	County	11115 46	Dragline, 1/2 cy or less	1	1			0)	1	100 0 0	
12 Calhoun County	County	11115 49	Motor grader, >135 HP	16	6	10		1 0		6	99 1 0	4
12 Calhoun County 12 Calhoun County	County County	11110 01	Scraper, Rubber Tire Elevating <15 cy Breaker Pavement, Attachment	1		1		1 0		1	100 0 0 100 0 0	
12 Calhoun County	County	11115 103	Broom, Attachment	1		1		0		1	100 0 0	
12 Calhoun County	County	11115 105	Compressor, Air 125-200	1			_	1 0)	1	100 0 0	
12 Calhoun County	County	<u>11115</u> <u>106</u> 11115 <u>111</u>	Compressor, Air 200+	1	4			1 0		1	100 0 0 100 0 0	
12 Calhoun County 12 Calhoun County	County County		Driver, Pile or Pipe Saw, Concrete	1	1					1	100 0 0 100 0 0	
12 Calhoun County	County	11115 136	Snow Blower, Attachment	3	3			0		3	100 0 0]
12 Calhoun County	County		Trailer, Belly Dump	1	1	[0		1	100 0 0	
12 Calhoun County 12 Calhoun County	County		Trailer, Low Bed Semi Trailer, Van	1	3			1 0		1	100 0 0 100 0 0	
12 Calhoun County 12 Calhoun County	County County		Washer, Hi-Power Water	6	3					6	100 0 0 100 0 0	
82 Guthrie County Secondary Road Dept.	County	11353 1	Single Axle, Dump Body	8	8			0		3	92 8 0	
82 Guthrie County Secondary Road Dept.	County	11353 2	Single axle, flatbed	1	1			0		1	100 0 0	
82 Guthrie County Secondary Road Dept. 82 Guthrie County Secondary Road Dept.	County County		Tandem axle, dump body Semi-Tractor	3	3			0		3	90 10 0 90 10 0	-
82 Guthrie County Secondary Road Dept. 82 Guthrie County Secondary Road Dept.	County		Hydraulic wheeled, < 1 cy	2	4					2	95 5 0	1
82 Guthrie County Secondary Road Dept.	County	11353 16	Hydraulic crawler, <1 cy	2	1			0		2	50 50 0	
82 Guthrie County Secondary Road Dept.	County		Sheep's Foot Roller 67"+	1	1	[0		1 0	0 0 100	4
82 Guthrie County Secondary Road Dept. 82 Guthrie County Secondary Road Dept.	County	11353 32 11353 33	Wheel Loader 2 cy or less Wheel Loader 2 cy +	1	1			0		2	98 2 0 98 2 0	-
82 Guthrie County Secondary Road Dept. 82 Guthrie County Secondary Road Dept.	County County	11353 33	Mowing Tractor 45-65 HP	1	2					1	100 0 0	
82 Guthrie County Secondary Road Dept.	County	11353 36	Mowing Tractor 65+ HP	1	1			0		1	100 0 0	
82 Guthrie County Secondary Road Dept.	County		Tractor Loader-Backhoe	1	1			0		1	95 5 0	4
82 Guthrie County Secondary Road Dept. 82 Guthrie County Secondary Road Dept.	County		Dozer, 150 HP or less Motor grader, >135 HP	2	2 12			0		2	90 10 0 98 2 0	
82 Guthrie County Secondary Road Dept. 82 Guthrie County Secondary Road Dept.	County County		Pickups	22	22				0 2		98 2 0	
82 Guthrie County Secondary Road Dept.	County	11353 67	Bucket Truck	1				1 0		1	100 0 0	
82 Guthrie County Secondary Road Dept.	County		Sign Maintenance Truck	1	1	[0		1	99 1 0	
82 Guthrie County Secondary Road Dept.	County	11353 104 11353 105	Brush Chipper Compressor, Air 125-200	1	1			0		1	100 0 0 100 0 0	
82 Guthrie County Secondary Road Dept. 82 Guthrie County Secondary Road Dept.	County County		Compressor, Air 125-200 Cutter, Stump	1	1					1	100 0 0	4
82 Guthrie County Secondary Road Dept.	County		Trailer, Belly Dump	3	3					3	97 3 0	1
82 Guthrie County Secondary Road Dept.	County	11353 144	Trailer, Low Bed Semi	1	1			C		1	97 3 0	
82 Guthrie County Secondary Road Dept.	County		Scraper < 15 cy	1				1 0		1	0 0 100	-
239 Keokuk County 63 Sac County Road Dept.	County County	11400 11529 1	Damaged Disk Single Axle, Dump Body	4		4				4	90 10 0	4
63 Sac County Road Dept.	County	11529 2	Single axle, flatbed	1		1		0		1	100 0 0	
63 Sac County Road Dept.	County		Tandem axle, dump body	3]	3		0		3	90 10 0	
63 Sac County Road Dept.	County	11529 12	Semi-Tractor	3		3		0		3	90 10 0	

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)	=	-	_	Equip.		#Owne	d +Fort	10 010 *010	C PULC	2 ¹¹⁰ 220	1. 2 ⁸⁸ 1. 5 ¹¹⁹	Jorne Shor Joe	~	150	S Noineral Construct
	Entity	Туре	Pop.	Line	Type of Equipment	/*/	* /	**/	* /	* / ** /	* /* /	*. *. 4.	$/\sim$	010	90 10
	Sac County Road Dept.	County	11529		Hydraulic wheeled, < 1 cy	2		2					2		50 10
	Sac County Road Dept.	County	11529 11529		Integrated Tool Carrier	2		2			0		2		100 0 90 10
	Sac County Road Dept.	County			Wheel Loader 2 cy +	1		1			0		2		
	Sac County Road Dept. Sac County Road Dept.	County	11529 11529		Mowing Tractor 65+ HP Tractor Loader-Backhoe	1		1			0		1		100 0 90 10
	Sac County Road Dept.	County County	11529		Dozer, 150 HP or less	1		1			0		1		90 10
	Sac County Road Dept.	County	11529		Motor grader, >135 HP	13		13			0		13		90 10
	Sac County Road Dept.	County	11529		Skid Steer Loader, Wheel or Track	1		1			0		1		90 10
	Sac County Road Dept.	County	11529		Breaker Pavement, Attachment	1		1			0		1		90 10
	Sac County Road Dept.	County	11529		Brush Chipper	1		1			0		1		100 0
	Sac County Road Dept.	County	11529		Compressor, Air 125-200	1		1			0		1		90 10
	Sac County Road Dept.	County	11529		Sprayer, Weed	1		1			0		1		100 0
	Sac County Road Dept.	County	11529		Trailer, Belly Dump	2		2			0		2		90 10
,	Sac County Road Dept.	County	11529		Washer, Hi-Power Water	1		1			0		1		100 0
	Winnebago County	County	11723		Single Axle, Dump Body	5	3			2	0		5		100 0
	Winnebago County	County	11723		Single axle, van body	1				1	0		1		100 0
	Winnebago County	County	11723		Tandem axle, dump body	13	13				0		13		95 5
	Winnebago County	County	11723		Semi-Tractor	1				1	0		1		95 5
	Winnebago County	County	11723		Hydraulic crawler, 2+ cy	2	1			1	0		2		95 5 95 5
	Winnebago County	County	11723		Rubber Tire Roller 9 wheel	2				1	0		2		95 5 95 5
	Winnebago County	County	11723		Sheep's Foot Roller 67"+		2			4	0		_		95 5
	Winnebago County Winnebago County	County County	11723 11723		Wheel Loader 2 cy + Mowing Tractor 65+ HP	2	2				0		2		100 0
	Winnebago County	County	11723		Tractor Loader-Backhoe	3	- 2				0		3		100 0
	Winnebago County	County	11723		Sweeper, 4 Wheel Air	1	J			1	0		1		100 0
	Winnebago County	County	11723		Dozer, 300+HP	3	3				0		3		95 5
	Winnebago County	County	11723		Dragline, > 1/2 cy	1				1	0		1		0 100
	Winnebago County	County	11723		Motor grader, >135 HP	10	3	7			0		10		99 1
	Winnebago County	County	11723	52	Scraper, Rubber Tire Elevating >15 cy	4				4	0		4		0 100
	Winnebago County	County	11723		Breaker Pavement, Attachment	1		1			0		1		100 0
	Winnebago County	County	11723		Broom, Attachment	1		1			0		1		100 0
	Winnebago County	County	11723		Brush Chipper	1	1				0		1		100 0
	Winnebago County	County	11723		Compressor, Air 200+	2	2				0		2		95 5
	Winnebago County	County	11723		Filler, Crack	1	1				0		1		100 0
	Winnebago County	County	11723		Kettle, Bitumen Heater	1	1				0		1		100 0
	Winnebago County	County	11723	130	Saw, Concrete	1		1					1		100 0 100 0
	Winnebago County	County	11723 11723		Shouldering Machine	2		2		1	0		2		100 0
	Winnebago County Winnebago County	County County	11723	141	Snow Blower, Attachment Trailer, Belly Dump	2	2	2			0		2		100 0
	Lyon County	County	11763		Single Axle, Dump Body	6	- 3			3	0		6		100 0
	Lyon County	County	11763		Single axle, flatbed	2	1	1		5	0		2		
	Lyon County	County	11763		Tandem axle, dump body	10	8		2		0		10		
	Lyon County	County	11763		Semi-Tractor	1	1			1	0		1		
	Lyon County	County	11763		Hydraulic wheeled, 1–2 cy	1		1			0		1		
1	Lyon County	County	11763	17	Hydraulic crawler, 1–2 cy	1		1			0		1		
1	Lyon County	County	11763	23	Drum Roller 40–67"	1		1			0		1		
1	Lyon County	County	11763	26	Rubber Tire Roller 9 wheel	1				1	0		1		
1	Lyon County	County	11763	28	Sheep's Foot Roller 67"+	1				1	0		1		
1	Lyon County	County	11763		Loader Crawler 80 HP or less	1				1	0		1		
	Lyon County	County	11763		Wheel Loader 2 cy +	5	1			4	0		5		
	Lyon County	County	11763		Mowing Tractor 45-65 HP	1	1				0		1		
1	Lyon County	County	11763		Dozer, 150-300 HP	1		1		7	0		1		
	Lyon County	County	11763 11763	49	Motor grader, >135 HP	11	1	3		/	0		11		
	Lyon County	County	11763		Scraper, Rubber Tire Elevating <15 cy	2		2			0		1		
	Lyon County Lyon County	County	11763	104	Brush Chipper Compressor, Air 125-200	1		- 2			0				
1	Lyon County	County County	11763	117	Machine, Asphalt Patcher	1	-	1			0		1		
	Lyon County	County	11763		Snow Blower, Attachment	5		4		1	0		5		
1	Lyon County	County	11763		Trailer, Low Bed 15 Ton	1		1			0		1		
1	Lyon County	County	11763		Trailer, Low Bed Semi	1		1			0		1		
	Lyon County	County	11763		Oshkosh Snow Truck	5		2		3	0		5		
	Lyon County	County	11763		Trailer, Pup	2		2			0		2		
	Montgomery County Secondary Road Department	County	11771		Single Axle, Dump Body	3	3				0		3		90 10
	Montgomery County Secondary Road Department	County	11771	2	Single axle, flatbed	1	1				0		1		90 10
	Montgomery County Secondary Road Department	County	11771	4	Tandem axle, dump body	4	4				0		4		90 10
	Montgomery County Secondary Road Department	County	11771		Semi-Tractor	1		1			0		1		80 20
	Montgomery County Secondary Road Department	County	11771	17	Hydraulic crawler, 1–2 cy	2	2				0		2		80 20
1			11771	33	Wheel Loader 2 cy +	2	1	1			0		2		80 20
	Montgomery County Secondary Road Department	County				-									
5	Montgomery County Secondary Road Department Montgomery County Secondary Road Department	County	11771	36	Mowing Tractor 65+ HP	3	2		1		0		3		98 2
6 6 6	Montgomery County Secondary Road Department			36 47		3 2 6	2	1	1		0		3 2 7		98 2 70 30 96 4

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ID Entity	Туре	Pop.	Line	Type of Equipment	/*°/	*	/*/	/*`	/* ^v / ~	/* [~]	/* ^{**} /* ^{**} /* [*]	100	010	0/0 1 0/0 Ogi	/
164 Montgomery County Secondary Road Department	County	11771	53	Skid Steer Loader, Wheel or Track	1			1		0		1		100 0 C	1
164 Montgomery County Secondary Road Department	County	11771		Brush Chipper	1		1			0		1		100 0 C	1
164 Montgomery County Secondary Road Department	County	11771		Compressor, Air 125-200	2	2				0		2		80 20 C	
164 Montgomery County Secondary Road Department	County	11771	111	Driver, Pile or Pipe	3		3			0		3		70 30 C	
164 Montgomery County Secondary Road Department	County	11771		Saw, Concrete	1	1				0		1		100 0 C	1
164 Montgomery County Secondary Road Department	County	11771		Seeder	3		3			0		3		80 20 C	4
164 Montgomery County Secondary Road Department	County	11771		Shouldering Machine	2		2			0		2		100 0 0	
164 Montgomery County Secondary Road Department	County	11771		Trailer, Low Bed Semi	1		1			0		1		80 20 0	
214 Hancock County	County	12100		Single Axle, Dump Body	7			7		0		7		100 0 0	
214 Hancock County	County	12100	4	Tandem axle, dump body	15			15		0		15		100 0 0	
214 Hancock County	County	12100		Platform Boom (High-Reach)	1	1			-	0		1		100 0 0	
214 Hancock County	County	12100		Semi-Tractor	2				2	0		2		100 0 0	
214 Hancock County	County	12100		Hydraulic wheeled, < 1 cy	1		-		1	0				100 0 0	
214 Hancock County	County	12100	16	Hydraulic crawler, <1 cy	2	4	2			0		2		100 0 0 100 0 0	
214 Hancock County	County	12100		Wheel Loader 2 cy +	6	4	2			0		6			
214 Hancock County 214 Hancock County	County	12100		Mowing Tractor 65+ HP Tractor Loader-Backhoe	3	3	2			0		3		100 0 0 100 0 0	·
214 Hancock County 214 Hancock County	County County	12100		Dozer, 150 HP or less	3	2	3		1	0		3		100 0 0	
214 Hancock County 214 Hancock County	County	12100		Dozer, 150 HP or less Dozer, 150-300 HP	4	3 1				0		4		100 0 0	
214 Hancock County	County	12100		Dragline, 1/2 cy or less	1		1			0		1		100 0 0	
214 Hancock County	County	12100		Dragline, > 1/2 cy	1	- 1			1	0		1		100 0 0	
214 Hancock County	County	12100		Motor grader, >135 HP	17	17				0		17		100 0 0	
214 Hancock County	County	12100		Scraper, Rubber Tire Elevating <15 cy	1		1			0		1		100 0 0	
214 Hancock County	County	12100		Broom, Attachment	1		1			0		1		100 0 0	
214 Hancock County	County	12100		Snow Blower, Attachment	3		3			0		3		100 0 0	1
214 Hancock County	County	12100		Trailer, Low Bed 15 Ton	3		3			0		3		100 0 0	1
214 Hancock County	County	12100		Trailer, Low Bed Semi	2		2			0		2		100 0 C	7
8 Union County Secondary Roads	County	12309	1	Single Axle, Dump Body	3	3				0		3	100	100 0 C	1
8 Union County Secondary Roads	County	12309		Single axle, flatbed	2	1			1	0		2	87.5	93 7 C	1
8 Union County Secondary Roads	County	12309	4	Tandem axle, dump body	5	5				0		5	100	100 0 C	1
8 Union County Secondary Roads	County	12309	13	Hydraulic wheeled, < 1 cy	1	1				0	0	1		100 0 0	1
8 Union County Secondary Roads	County	12309		Hydraulic crawler, 1–2 cy	1	1				0		1		83 17 C	
8 Union County Secondary Roads	County	12309		Cranes	1		1			0		1		17 83 C	
8 Union County Secondary Roads	County	12309		Dozer, 150 HP or less	3				3	0		3		94 6 0	
8 Union County Secondary Roads	County	12309		Motor grader, >135 HP	8	8				0		8		97 3 0	
8 Union County Secondary Roads	County	12309		Trailer, Belly Dump	2	2				0		2		100 0 0	
8 Union County Secondary Roads	County	12309		Trailer, Low Bed Semi	1	1				0		1		92 8 0	
62 Grundy County 62 Grundy County	County	12369		Single Axle, Dump Body	6	6				0		6		95 5 C	
	County	12369		Tandem axle, dump body	2	3				0		3		97 3 C 95 5 C	
62 Grundy County 62 Grundy County	County County	12369		Hydraulic wheeled, 2+ cy Wheel Loader 2 cy +	3	2	-		2	0		3		99 1 0	
62 Grundy County	County	12369		Mowing Tractor 45-65 HP	1	1			3	0		1		99 1 C	
62 Grundy County	County	12369		Dozer, 150 HP or less	1	- 1	1			0		1		94 6 0	
62 Grundy County	County	12369		Motor grader, >135 HP	12	12	- '			0		12		95 5 0	
62 Grundy County	County	12369		Sign Truck	1	1				0		12		90 10 0	-
62 Grundy County	County	12369		Breaker Pavement, Attachment	1		1			0		1		90 10 0	
62 Grundy County	County	12369	104	Brush Chipper	1	1				0		1		100 0 0	
62 Grundy County	County	12369	105	Compressor, Air 125-200	1		1			0		1		90 10 0	
62 Grundy County	County	12369	115	Hydro-Seeder	1	1	- i			0		1		80 20 0	1
62 Grundy County	County	12369		Shouldering Machine	1				1	0		1		95 5 C	
62 Grundy County	County	12369		Sprayer, Weed	1			1		0		1		100 0 0	ı
62 Grundy County	County	12369		Trailer, End Dump	3	3				0		3		97 3 C	1
70 Cherokee County	County	13035		Single Axle, Dump Body	5	2	3			0		5		90 10 C	1
70 Cherokee County	County	13035	2	Single axle, flatbed	2	2				0	0	2		80 20 C	1
70 Cherokee County	County	13035	4	Tandem axle, dump body	5		5			0		5		90 10 C	1
70 Cherokee County	County	13035		Semi-Tractor	2	[2			0	/	2		90 10 C	·
70 Cherokee County	County	13035	17	Hydraulic crawler, 1–2 cy	2	2				0		2		80 20 0	
70 Cherokee County	County	13035	27	Sheep's Foot Roller 40-67"	1		1			0		1		80 20 0	·
70 Cherokee County	County	13035		Wheel Loader 2 cy +	4	3	1			0		4		85 15 C	
70 Cherokee County	County	13035		Mowing Tractor 65+ HP	1		1			0		1		100 0 0	4
70 Cherokee County	County	13035		Tractor Loader-Backhoe	1	1				0		1		90 10 0	4
70 Cherokee County	County	13035		Dozer, 150-300 HP	1				1	0		1		90 10 0	4
70 Cherokee County	County	13035		Dragline, > 1/2 cy	1				1	0		1		50 50 C	4
70 Cherokee County	County	13035		Motor grader, >135 HP	9	4	5			0	/	9		80 20 0	·
70 Cherokee County	County	13035		Scraper, Rubber Tire Elevating <15 cy	1				1	0		1		50 50 0	
70 Cherokee County	County	13035		Breaker Pavement, Attachment	1	1				0		1		90 10 0	-
70 Cherokee County	County	13035		Broom, Attachment	1				1	0		1		100 0 0	-
70 Cherokee County	County	13035		Brush Chipper	2		-		1	0		1		100 0 0 90 10 0	
70 Cherokee County	County	13035		Compressor, Air 125-200	2		2			0		2			
70 Cherokee County 70 Cherokee County	County			Driver, Pile or Pipe	1		-			0		1	+ +		1
(ULL DEFOREE COUNTY	County	13035	112	Filler, Crack	1 11		1		1	1 0	ו ו	1	1	90 10 C	7

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ID	Entity	Туре	Pop.	Line	Type of Equipment	Long Long Long Long Long Long	ort used	\$00150 e85ed	*10 ⁿ⁹ *10 ⁿ⁹ *5 ⁿ⁰¹	end to perform the second	00	30 Maine rai on Constructu	J ^{SP}
	Cherokee County	County	13035	115	Hydro-Seeder		1	0			ſ	50 50 C	
	Cherokee County	County	13035		Rock Crusher	1	1	0		1		95 5 C)
	Cherokee County	County	13035		Saw, Concrete	1 .	1	0		1		90 10 C	0
	Cherokee County	County	13035		Trailer, Belly Dump	1 1		0		1		90 10 C	
	Cherokee County	County	13035		Trailer, Low Bed Semi	1 1		0		1		90 10 C	
	Cherokee County	County	13035		Washer, Hi-Power Water	4 4		0		4		90 10 C	
	Chickasaw County	County	13095		Single Axle, Dump Body	3 2	1	0		3		90 10 0 50 50 0	
	Chickasaw County	County	13095 13095		Single axle, van body Tandem axle, dump body	9 9	1	0		1		50 50 C	
	Chickasaw County	County County	13095		Tandem axle, flatbed	1 1		0		1			
	Chickasaw County	County	13095		Semi-Tractor		+ +	0		1		25 75 0 50 50 0	
	Chickasaw County	County	13095		Hydraulic wheeled, 1–2 cy	1 1		0		1		100 0 0	
89 C	Chickasaw County	County	13095		Hydraulic crawler, 1–2 cy	1 1	1	0		1		50 50 C	
89 C	Chickasaw County	County	13095	28	Sheep's Foot Roller 67"+	1 1		0		1		0 0 0)
89 C	Chickasaw County	County	13095		Wheel Loader 2 cy +	2 2		0		2		95 5 C)
	Chickasaw County	County	13095		Mowing Tractor 65+ HP	3 3	<u> </u>	0		3		100 0 0	
	Chickasaw County	County	13095		Cranes	1 .	1	0		1		50 50 C	
	Chickasaw County	County	13095	43	Dozer, 150 HP or less		2	0		2		75 25 0	
	Chickasaw County	County	13095 13095		Dozer, 150-300 HP	1 · · ·	4	0		1		50 50 C	
80 0	Chickasaw County Chickasaw County	County County	13095		Motor grader, >135 HP Bucket Truck	1 1	+ +	0		11		95 5 C	
	Chickasaw County	County	13095	7/	Flatbed Sign Truck w/ Crane		+ +	0		1		100 0 0	
	Chickasaw County	County	13095	74	Shop Service Truck w/ Crane	1 1		0		1		95 5 0	
	Chickasaw County	County	13095		Brush Chipper	1 1		0		1		100 0 0	
89 C	Chickasaw County	County	13095		Compressor, Air 125-200	1 1		0		1		100 0 0	
89 C	Chickasaw County	County	13095	110	Drill, Vertical	1 1		0		1		95 5 C	0
	Chickasaw County	County	13095		Filler, Crack	1 1		0		1		100 0 C	
89 C	Chickasaw County	County	13095		Heater, Pre-Mix	1 1	+	0		1		100 0 0	0
	Chickasaw County	County	13095		Snow Blower, Attachment	1 1	+	0		1		100 0 0	
	Chickasaw County	County	13095		Trailer, Low Bed Semi		+ +	0		1		50 50 0	
	Chickasaw County	County	13095 13173		Washer, Hi-Power Water	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+	0		10		100 0 0 100 0 0	
	Shelby County Road Shelby County Road	County County	13173	1	Single Axle, Dump Body Single axle, flatbed		+ +	0		10		100 0 0 100 0 0	
	Shelby County Road	County	13173		Tandem axle, dump body	2 2	+ +	0		2		100 0 0	
	Shelby County Road	County	13173	5	Tandem axle, flatbed		1	0		1		90 10 C	
	Shelby County Road	County	13173		Semi-Tractor	3 3		0		3		95 5 C	
60 S	Shelby County Road	County	13173	13	Hydraulic wheeled, < 1 cy	2 1 *	1	0		2		100 0 0	
	Shelby County Road	County	13173		Hydraulic crawler, 1–2 cy	1 1	1	0		1		65 35 C	
	Shelby County Road	County	13173		Integrated Tool Carrier		1	0		1		100 0 0	
	Shelby County Road	County	13173	31	Loader Crawler 80+ HP		1	0		1		100 0 0	
	Shelby County Road	County	13173	33	Wheel Loader 2 cy +		3	0		3		100 0 0	
	Shelby County Road Shelby County Road	County	13173 13173	34	Mowing Tractor <45 HP Dozer, 150 HP or less	2 2		0		1		100 0 0 100 0 0	
	Shelby County Road Shelby County Road	County	13173		Dozer, 150 HP or less Dragline, > 1/2 cy		4	0		1		80 20 0	
	Shelby County Road	County County	13173		Motor grader, >135 HP	12 9 3	3	0		12		100 0 0	
	Shelby County Road	County	13173		Scraper, Rubber Tire Elevating <15 cy	1	1	0		1		100 0 0	
	Shelby County Road	County	13173		Sign Truck	1 1	1	0		1		80 20 C	
	Shelby County Road	County	13173	104	Brush Chipper	2 2		0		2		100 0 0)
60 S	Shelby County Road	County	13173	105	Compressor, Air 125-200	1 1		0		1		100 0 C)
	Shelby County Road	County	13173		Machine, Asphalt Patcher	1 1		0		1		100 0 0	
	Shelby County Road	County	13173		Trailer, Belly Dump	2 2	+	0		2		100 0 0	
	Shelby County Road	County	13173		Trailer, Low Bed Semi	1 1	+	0		1		80 20 0	
88 N	Madison County Secondary Road Dept.	County	14019 14019		Single Axle, Dump Body	8 8	+ +	0		8		50 50 C	
	Adison County Secondary Road Dept. Adison County Secondary Road Dept.	County County	14019		Single axle, flatbed Tandem axle, dump body	2 2	1	0		2	75 81.25	50 50 0	
88 M	Madison County Secondary Road Dept.	County	14019	12	Semi-Tractor	3 3	+	0		3		10 90 0	
	Addison County Secondary Road Dept.	County	14019		Hydraulic wheeled, < 1 cy	1 1		0		1		63 37 0	
88 N	Adison County Secondary Road Dept.	County	14019		Hydraulic crawler, 1–2 cy	2 2		0		2		43 57 C	
88 N	ladison County Secondary Road Dept.	County	14019	33	Wheel Loader 2 cy +	1	1	0		1	100	50 50 C)
88 N	ladison County Secondary Road Dept.	County	14019	36	Mowing Tractor 65+ HP	5 5		0		5	64	100 0 0	
88 N	ladison County Secondary Road Dept.	County	14019	37	Tractor Loader-Backhoe	1 1		0		1		84 16 C	
	Madison County Secondary Road Dept.	County	14019		Tractor Loader-Box Blade	0	<u>+</u> +	1	1	1	100	100 0 0	
88 N	Madison County Secondary Road Dept.	County	14019		Cranes	2 1	1	0		2		33 67 0	
88 N	Addison County Secondary Road Dept.	County	14019		Dozer, 150 HP or less	3 2 -	4	0		3		10 90 C	
08 N	Adison County Secondary Road Dept. Adison County Secondary Road Dept.	County	14019 14019		Motor grader, >135 HP Single Axle Truck w/ Hiab Crane	12 4 8	+ +	0		12	81.25 100	79 21 C	
	Madison County Secondary Road Dept. Madison County Secondary Road Dept.	County County	14019		Single Axle - Water/Sprayer		+	0		1		100 0 0	
88 M	Madison County Secondary Road Dept.	County	14019	70	Single Axle - Bridge Crew		+ +	0		1		45 55 0	
	Addison County Secondary Road Dept.	County	14019		Single Axle - Welder	1 1		0		1	100	50 50 0	
88 M	Adison County Secondary Road Dept.	County	14019		Fuel Truck	1 1		0		1	100	35 65 C	
	Adison County Secondary Road Dept.	County	14019		Broom, Attachment			-		1		100 0 0	

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				Equip.		
ID	Entity	Туре	Pop.	Line Type of Equipment		
	Madison County Secondary Road Dept. Madison County Secondary Road Dept.	County County	14019 14019	105 Compressor, Air 125-200 109 Distributor Bitumen, Slip-in or Trailer	2 2 0 2 75 67 33 0 1 1 0 1 25 100 0 0	
88	Madison County Secondary Road Dept.	County	14019	111 Driver, Pile or Pipe	2 1 1 0 2 25 50 0	
	Madison County Secondary Road Dept. Madison County Secondary Road Dept.	County	14019 14019	129 Roller, Attachment 130 Saw, Concrete	1 1 0 1 75 0 100 0 1 1 0 1 75 100 0 0	
	Madison County Secondary Road Dept.	County County	14019	145 Trailer, Van		
88	Madison County Secondary Road Dept.	County	14019	146 Washer, Hi-Power Water	1 1 0 0 10 0 0	
	Madison County Secondary Road Dept. Madison County Secondary Road Dept.	County	14019 14019	162 JD Tractor Model 300 163 Shoulder Maintainer/Miller	1 1 0 1 100 0 0 1 1 0 1 75 100 0 0	
88	Madison County Secondary Road Dept.	County	14019	164 Brush Cutter		
88	Madison County Secondary Road Dept.	County	14019	165 Boom Mower	1 1 0 0 10 0 0	
	Madison County Secondary Road Dept. Madison County Secondary Road Dept.	County County	14019 14019	166 Flex Wing Mower 167 Batwing Mower	3 0 3 75 100 0 2 2 0 2 75 100 0	
88	Madison County Secondary Road Dept.	County	14019	168 Rotary Mower	1 1 0 0 1 75 100 0 0	
	Allamakee County Engineer	County	14675 14675	1 Single Axle, Dump Body	12 12 90 10 0 1 1 0 1 100 0	
43	Allamakee County Engineer Allamakee County Engineer	County	14675	2 Single axle, flatbed 4 Tandem axle, dump body		
43	Allamakee County Engineer	County	14675	12 Semi-Tractor	2 2 0 2 95 5 0	
	Allamakee County Engineer Allamakee County Engineer	County	14675 14675	14 Hydraulic wheeled, 1–2 cy 30 Loader Crawler 80 HP or less		
	Allamakee County Engineer	County County	14675	33 Wheel Loader 2 cy +		
43	Allamakee County Engineer	County	14675	35 Mowing Tractor 45-65 HP	3 3 100 0	
	Allamakee County Engineer Allamakee County Engineer	County County	14675 14675	37 Tractor Loader-Backhoe 43 Dozer, 150 HP or less	1 0 1 95 5 0 1 1 0 1 95 5 0	
43	Allamakee County Engineer	County	14675	49 Motor grader, >135 HP		
43	Allamakee County Engineer	County	14675	104 Brush Chipper		
	Allamakee County Engineer Allamakee County Engineer	County County	14675 14675	105 Compressor, Air 125-200 115 Hydro-Seeder	1 1 0 1 95 5 0 1 1 0 1 95 5 0	
43	Allamakee County Engineer	County	14675	130 Saw, Concrete		
43	Allamakee County Engineer Allamakee County Engineer	County County	14675 14675	136 Snow Blower, Attachment 138 Sprayer, Weed		
	Allamakee County Engineer	County	14675	139 Sweeper Attachment		
43	Allamakee County Engineer	County	14675	144 Trailer, Low Bed Semi	2 2 0 2 90 10 0	
	Allamakee County Engineer Cass County	County County	14675 14684	146 Washer, Hi-Power Water Damaged Disk		
52	Butler County	County	15305	1 Single Axle, Dump Body	16 16 0 16 100 0	
	Butler County Butler County	County	15305 15305	2 Single axle, flatbed 12 Semi-Tractor	1 0 1 100 0 2 2 0 2 100 0 0	
	Butler County	County County	15305	15 Hydraulic wheeled, 2+ cy		
52	Butler County	County	15305	18 Hydraulic crawler, 2+ cy	1 1 0 0 1 100 0 0	
	Butler County Butler County	County	15305 15305	23 Drum Roller 40–67" 27 Sheep's Foot Roller 40-67"		
52	Butler County	County	15305	31 Loader Crawler 80+ HP		
	Butler County	County	15305	33 Wheel Loader 2 cy +		
	Butler County Butler County	County	15305 15305	35 Mowing Tractor 45-65 HP 37 Tractor Loader-Backhoe	2 2 0 2 100 0 1 1 0 1 100 0 0	
52	Butler County	County	15305	42 Cranes		
	Butler County Butler County	County County	15305 15305	44 Dozer, 150-300 HP 49 Motor grader, >135 HP	2 2 0 2 100 0 14 14 0 14 100 0 0	
	Butter County Butter County	County	15305	53 Skid Steer Loader, Wheel or Track		
	Butler County	County	15305	103 Broom, Attachment		
	Butler County Butler County	County County	15305 15305	104 Brush Chipper 105 Compressor, Air 125-200		
52	Butler County	County	15305	107 Conveyor, Salt		
52	Butler County Butler County	County	15305 15305	111 Driver, Pile or Pipe		
	Butler County Butler County	County County	15305	115 Hydro-Seeder 127 Pump, Mud Paddle/Colloidal		
52	Butler County	County	15305	130 Saw, Concrete		
52	Butler County Butler County	County	15305 15305	138 Sprayer, Weed 141 Trailer, Belly Dump		
52	Butler County	County	15305	144 Trailer, Low Bed Semi	2 2 0 0 2 100 0 0	
52	Butler County	County	15305	146 Washer, Hi-Power Water		
	Harrison County Harrison County	County County	15666 15666	1 Single Axle, Dump Body 2 Single axle, flatbed	4 4 0 4 95 5 0 2 1 1 0 2 95 5 0	
168	Harrison County	County	15666	4 Tandem axle, dump body		
	Harrison County	County	15666	9 Platform Boom (High-Reach)		
	Harrison County Harrison County	County	15666 15666	10 Truck-Mounted Bitumen Distrubutor 12 Semi-Tractor	1 1 0 1 100 0 2 2 0 2 100 0 0	
168	Harrison County	County	15666	14 Hydraulic wheeled, 1–2 cy		
	Harrison County	County	15666	17 Hydraulic crawler, 1–2 cy	2 2 99 1 0 1 1 0 1 95 5 0	
801	Harrison County	County	15666	28 Sheep's Foot Roller 67"+		

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			Equip.	
ID Entity	Туре	Pop.	Line Type of Equipment	
168 Harrison County	County	15666	33 Wheel Loader 2 cy +	
168 Harrison County 168 Harrison County	County	15666 15666	35 Mowing Tractor 45-65 HP 36 Mowing Tractor 65+ HP	2 2 0 2 100 0 4 4 0 4 100 0 0
168 Harrison County	County	15666	43 Dozer, 150 HP or less	
168 Harrison County	County	15666	49 Motor grader, >135 HP	
168 Harrison County	County	15666	52 Scraper, Rubber Tire Elevating >15 cy	1 1 0 1 90 10 0
168 Harrison County	County	15666	53 Skid Steer Loader, Wheel or Track	
168 Harrison County 168 Harrison County	County	15666 15666	54 Pulverizer/Grinder 103 Broom, Attachment	1 1 0 1 90 10 0 1 1 0 1 100 0
168 Harrison County	County	15666	104 Brush Chipper	
168 Harrison County	County	15666	105 Compressor, Air 125-200	1 1 0 1 90 10 0
168 Harrison County	County	15666	110 Drill, Vertical	
168 Harrison County 168 Harrison County	County County	15666 15666	113 Grapple Attachment, Loader 130 Saw, Concrete	1 1 0 1 100 0 1 1 0 1 90 10 0
168 Harrison County	County	15666	144 Trailer, Low Bed Semi	
168 Harrison County	County	15666	147 Trailer-pup	
168 Harrison County	County	15666	148 Trailer-tank	
77 Dickinson County	County	16424	1 Single Axle, Dump Body	
77 Dickinson County 77 Dickinson County	County County	16424 16424	2 Single axle, flatbed 3 Single axle, van body	
77 Dickinson County	County	16424	4 Tandem axle, dump body	
77 Dickinson County	County	16424	15 Hydraulic wheeled, 2+ cy	
77 Dickinson County	County	16424	23 Drum Roller 40–67"	
77 Dickinson County 77 Dickinson County	County County	16424 16424	33 Wheel Loader 2 cy + 36 Mowing Tractor 65+ HP	
77 Dickinson County	County	16424	49 Motor grader, >135 HP	
77 Dickinson County	County	16424	103 Broom, Attachment	
77 Dickinson County	County	16424	104 Brush Chipper	
77 Dickinson County 77 Dickinson County	County County	16424 16424	105 Compressor, Air 125-200	
77 Dickinson County 77 Dickinson County	County	16424	107 Conveyor, Salt 110 Drill, Vertical	
77 Dickinson County	County	16424	115 Hydro-Seeder	
77 Dickinson County	County	16424	130 Saw, Concrete	
77 Dickinson County	County	16424	131 Seeder	
77 Dickinson County 77 Dickinson County	County	16424 16424	134 Shouldering Machine 136 Snow Blower, Attachment	
77 Dickinson County	County	16424	138 Sprayer, Weed	
77 Dickinson County	County	16424	139 Sweeper Attachment	
77 Dickinson County	County	16424	143 Trailer, Low Bed 15 Ton	
77 Dickinson County 57 Hamilton County Secondary Road Department	County County	16424 16438	146 Washer, Hi-Power Water 1 Single Axle, Dump Body	3 3 0 3 8 8 0 8 92 8 0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438	3 Single axle, van body	
57 Hamilton County Secondary Road Department	County	16438	4 Tandem axle, dump body	
57 Hamilton County Secondary Road Department	County	16438	11 Water Truck	1 1 0 1 100 0 0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438 16438	12 Semi-Tractor	
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County County	16438	13 Hydraulic wheeled, < 1 cy 17 Hydraulic crawler, 1–2 cy	
57 Hamilton County Secondary Road Department	County	16438	23 Drum Roller 40–67"	
57 Hamilton County Secondary Road Department	County	16438	29 Integrated Tool Carrier	1 1 0 0 1 1 100 0 0
57 Hamilton County Secondary Road Department	County	16438 16438	33 Wheel Loader 2 cy +	2 2 0 2 100 0 1 1 0 1 100 0 0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County County	16438	34 Mowing Tractor <45 HP 36 Mowing Tractor 65+ HP	
57 Hamilton County Secondary Road Department	County	16438	37 Tractor Loader-Backhoe	
57 Hamilton County Secondary Road Department	County	16438	43 Dozer, 150 HP or less	
57 Hamilton County Secondary Road Department	County	16438 16438	49 Motor grader, >135 HP	12 12 0 12 98 2 0 1 1 0 1 83 17 0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438	56 Drum Roller < 40" 102 Breaker Pavement, Attachment	
57 Hamilton County Secondary Road Department	County	16438	103 Broom, Attachment	
57 Hamilton County Secondary Road Department	County	16438	104 Brush Chipper	2 2 100 0
57 Hamilton County Secondary Road Department	County	16438	105 Compressor, Air 125-200	
57 Hamilton County Secondary Road Department	County County	16438 16438	107 Conveyor, Salt	
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438	115 Hydro-Seeder 131 Seeder	
57 Hamilton County Secondary Road Department	County	16438	134 Shouldering Machine	
57 Hamilton County Secondary Road Department	County	16438	136 Snow Blower, Attachment	
57 Hamilton County Secondary Road Department	County	16438	143 Trailer, Low Bed 15 Ton	
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County County	16438 16438	144 Trailer, Low Bed Semi 151 Man Lift	2 1 1 0 2 75 25 0 1 1 0 1 100 0 0 0 0 0
57 Hamilton County Secondary Road Department	County	16438	152 6" Pump	
57 Hamilton County Secondary Road Department	County	16438	153 Distributor Water	
57 Hamilton County Secondary Road Department	County	16438	154 Band Saw	

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ID	Entity	Туре	Equip. Pop. Line	Type of Equipment	#Oured #Formal	, OHE	CARE RUNCTU SPECT	1255ed +1079 +1079	short we	Lest Jaat Jo	J5895 olo Main	A CO LIGO LIGO LIGO LIGO LIGO LIGO LIGO LIG
57	Hamilton County Secondary Road Department	County	16438 15	5 Iron Worker		1		•				0 0
	Hamilton County Secondary Road Department Floyd County	County County		6 Brake Lathe 1 Single Axle, Dump Body	1 6 6	1		0		1 6	100 75	0 0 25 0
29	Floyd County	County	16900	3 Single axle, van body	1		1	0		1	50	50 0
29	Floyd County Floyd County	County County		4 Tandem axle, dump body 9 Platform Boom (High-Reach)	6 6			0		6	20 90	80 0 10 0
	Floyd County	County		2 Semi-Tractor	1		1	0		1	50	50 0
29	Floyd County	County	16900 1	4 Hydraulic wheeled, 1–2 cy	1 1			0		1	70	30 0
29	Floyd County Floyd County	County County		7 Hydraulic crawler, 1–2 cy 3 Drum Roller 40–67"	1 1		1	0		1	30 50	70 0 50 0
	Floyd County	County		8 Sheep's Foot Roller 67"+	1		1	0		1	10	90 0
29	Floyd County	County	16900 3	3 Wheel Loader 2 cy +	3 2		1	0		3	50	50 0
29	Floyd County Floyd County	County County	16900 3 16900 4	6 Mowing Tractor 65+ HP 3 Dozer, 150 HP or less	4 2	+	2 2	0		2 4	100	0 0
29	Floyd County	County	16900 4	7 Dragline, > 1/2 cy	1		1	1		1 2	10	90 0
29	Floyd County	County	16900 4	8 Motor grader, 135 HP or less	2	+-	2	2		2 4	100	0 0
	Floyd County Floyd County	County County	16900 4 16900 10	9 Motor grader, >135 HP 2 Breaker Pavement, Attachment	13 12	-	1	1		1 14	90 50	10 0 50 0
29	Floyd County	County	16900 10	3 Broom, Attachment	1		1	0		1	100	0 0
29	Floyd County	County		4 Brush Chipper	1 1		2	0		1	100	0 0
	Floyd County Floyd County	County County		5 Compressor, Air 125-200 0 Drill, Vertical	2		1	0		2	40	60 0 100 0
29	Floyd County	County	16900 11	2 Filler, Crack	1 1			0		1	10	90 0
	Floyd County	County County	16900 11 16900 11	3 Grapple Attachment, Loader 4 Heater, Pre-Mix	1 1	_		0		1	50 90	50 0 10 0
	Floyd County Floyd County	County		4 Heater, Pre-Mix 4 Heater, Pre-Mix	1 1			0		1	20	80 0
170	Clay County	County	17372	1 Single Axle, Dump Body	1 1			0		1	100	0
	Floyd County	County		7 Pump, Mud Paddle/Colloidal	2 2			0		2	50	50 0
29	Floyd County Floyd County	County County		0 Saw, Concrete 8 Sprayer, Weed	2 1		1	0		1	0	100 0 0 0
29	Floyd County	County	16900 14	3 Trailer, Low Bed 15 Ton	1 1			0		1	50	50 0
	Floyd County Floyd County	County County		5 Trailer, Van 6 Washer, Hi-Power Water	1 1	_	1	0		1	50 100	50 0 0 0
35	Crawford County	County		1 Single Axle, Dump Body		12		0		12	99	1 0
35	Crawford County	County		2 Single axle, flatbed		1		0		1	95	5 0
	Crawford County Crawford County	County County		3 Single axle, van body 9 Platform Boom (High-Reach)	1		1	0		1	95 100	5 0 0 0
35	Crawford County	County	16942 1	2 Semi-Tractor	2 1		1	0		2	95	5 0
	Crawford County	County		3 Hydraulic wheeled, < 1 cy 7 Hydraulic crawler, 1–2 cy	2 2	1		0		2	100	0 0 5 0
35	Crawford County Crawford County	County County		7 Hydraulic crawler, 1–2 cy 7 Sheep's Foot Roller 40-67"	2	1	2	0		2	95	5 0
35	Crawford County	County	16942 3	0 Loader Crawler 80 HP or less	3	2	1	0		3	95	5 0
35	Crawford County Crawford County	County County		3 Wheel Loader 2 cy + 6 Mowing Tractor 65+ HP	8 2 2	3	5	0		8	100 100	0 0
35	Crawford County	County	16942 4	2 Cranes	1 1			0		1	95	5 0
	Crawford County	County	16942 4	3 Dozer, 150 HP or less	3 1	1	1	0		3	95	5 0
	Crawford County Crawford County	County County		4 Dozer, 150-300 HP 7 Dragline, > 1/2 cy	1 1	_	1	0		1	95 90	5 0 10 0
35	Crawford County	County	16942 4	8 Motor grader, 135 HP or less		17		0		17	100	0 0
	Crawford County Crawford County	County	16942 5 16942 10	2 Scraper, Rubber Tire Elevating >15 cy 3 Broom, Attachment	1	1	1	0		1	95 100	5 0 0 0
	Crawford County Crawford County	County County		4 Brush Chipper	2 2	1		0		2	100	
35	Crawford County	County	16942 10	5 Compressor, Air 125-200	1		1	0		1	95	5 0
	Crawford County Crawford County	County County	16942 13 16942 14	0 Saw, Concrete 4 Trailer, Low Bed Semi	2 1	1	1	0		1	100	0 0
144	Page County	County	16976	1 Single Axle, Dump Body	2 2		+ + +	0		2 10	00 100	0 0
144	Page County	County	16976	2 Single axle, flatbed	6 6			0		6 10	00 100	0 0
	Page County Page County	County County	16976 16976 1	4 Tandem axle, dump body 0 Truck-Mounted Bitumen Distrubutor	3 3			0		3 10		0 0
144	Page County	County	16976 1	1 Water Truck	1 1			0		1 10	00 100	0 0
144	Page County	County	16976 1	2 Semi-Tractor	2 2			0		2 10	00 100	0 0
	Page County Page County	County County		3 Hydraulic wheeled, < 1 cy 7 Hydraulic crawler, 1–2 cy	1 1 2 2	+		0		1 10		
144	Page County	County	16976 2	3 Drum Roller 40–67"	1 1			0		1 2	25 100	0 0
144	Page County	County		9 Integrated Tool Carrier	1 1 2 2		+ $+$ $+$	0		1 10	00 100 75 100	0 0
	Page County Page County	County County		5 Mowing Tractor 45-65 HP 4 Dozer, 150-300 HP	4 4			0		4 7		0 0
144	Page County	County	16976 4	6 Dragline, 1/2 cy or less	2	2		0		2 7	75 100	0 0
144	Page County Page County	County County	16976 4 16976 4	7 Dragline, > 1/2 cy 8 Motor grader, 135 HP or less	1 9 9	1	+ +	0		9 10	75 100 00 100	0 0
144	raye county	County	10970 2	o wotor grader, 155 mm or less	9 9					3 10	100	0 0

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ID	Entity	Туре	Pop.	Equip. Line	Type of Equipment	404.64 450.00 100 100 100 100 100 100 100 100 100	Sufficient and a sufficient of the sufficient of	1.410 4.500 ¹¹ 4.50 ¹⁰		
	Page County	County	16976		Self-Propelled Chip Spreader				1 25 100 0 0	<u></u>
	Page County	County	16976		Pickups	13 13	0		13 100 100 0 0	
	Page County	County	16976		Fuel Truck	1 1	0		1 100 100 0 0	
144	Page County	County	16976		SUV	1	1 0		1 100 100 0 0	
144		County	16976		Car	1	1 0		1 100 100 0 0	
144	Page County	County	16976	104	Brush Chipper	1 1	0		1 100 100 0 0	-
144	Page County	County	16976		Compressor, Air 125-200	2 2	0		2 100 100 0 0	
	Page County	County County	16976 16976	115	Hydro-Seeder Sweeper Attachment	1 1	0		1 50 100 0 0 1 100 100 0 0	
144	Page County Page County	County	16976		Trailer, Belly Dump		0		1 100 100 0 0	
144	Page County	County	16976	144	Trailer, Low Bed Semi		0		1 100 100 0 0	
144	Page County	County	16976	150	Welder Gas Driven	0	0		1 100 100 0 0	
144	Page County	County	16976	178	Tractor	1 1	0		1 75 100 0 0	
144	Page County	County	16976		Trailer	2 2	0		2 100 100 0 0	
	Page County	County	16976		Roller, Rubber Tired	1 1	0		1 25 100 0 0	
144	Page County	County	16976		Water Pump		0		1 75 100 0 0	
144		County County	16976 16976	182	Scraper Sheep's Foot Roller		0		1 75 100 0 0 3 75 100 0 0	
144		County	16976		Homemade Trailer Pole	3 3	0		2 100 100 0 0	
		County	17163		Single Axle, Dump Body	4 2 2	0		4 100 100 0 0	
		County	17163		Single axle, flatbed		1 0		1 100 100 0 0	
87	Kossuth County	County	17163		Single axle, van body	1 1	0		1 100 100 0 0	
87	Kossuth County	County	17163		Tandem axle, dump body	23 23	0		23 100 100 0 0	
		County	17163		Hydraulic wheeled, < 1 cy	1	1 0		1 100 0 0	
		County	17163		Hydraulic crawler, <1 cy	2 2	0		2 75 100 0 0	
	Kossuth County	County	17163		Sheep's Foot Roller 40-67"	2	2 0		2 50 100 0 0 2 75 100 0 0	
	Kossuth County Kossuth County	County County	17163 17163		Loader Crawler 80 HP or less Wheel Loader 2 cy or less	3	1 0 3 0		2 75 100 0 0 3 100 100 0 0	
87		County	17163		Wheel Loader 2 cy +	5 3	2 0		5 100 100 0 0	
		County	17163		Mowing Tractor 45-65 HP	4 4	0		4 100 0 0	
	Kossuth County	County	17163	37	Tractor Loader-Backhoe	4 1 3	0		4 75 100 0 0	
		County	17163		Dozer, 150 HP or less	2	2 0		2 62.5 100 0 0	
		County	17163		Motor grader, >135 HP	24 4 20	0		24 90.63 100 0 0	
		County	17163		Compressor, Air 125-200		0		1 75 100 0 0	
	Kossuth County	County	17163 17163		Hydro-Seeder Shouldering Machine	1 1	1 0		1 50 100 0 0 1 75 100 0 0	
87	Kossuth County Kossuth County	County County	17163	134	Shouldering Machine Snow Blower, Attachment	4 4	0		4 50 100 0 0	
	Clay County	County	17372		Single Axle, Dump Body		0		1 100 0 0	
72	Clay County	County	17372		Single axle, flatbed	2 2	0		2 100 0 0	
72		County	17372		Tandem axle, dump body	9 9	0		9 100 0 0	
72	Clay County	County	17372		Platform Boom (High-Reach)	1 1	0		1 100 0 0	
72	Clay County	County	17372		Semi-Tractor	1 1	1 0		1 100 0 0	
72	Clay County	County	17372 17372		Hydraulic wheeled, 2+ cy		0		1 100 0 0 1 100 0 0	
72	Clay County Clay County	County County	17372		Drum Roller 40–67" Integrated Tool Carrier		0		1 100 0 0	
	Clay County	County	17372		Wheel Loader 2 cy +	7 5	2 0		7 100 0 0	
72	Clay County	County	17372	35	Mowing Tractor 45-65 HP	2 2	0		2 100 0 0	
72	Clay County	County	17372	37	Tractor Loader-Backhoe	1 1	0		1 100 0 0	
72	Clay County	County	17372		Dozer, 150-300 HP	1 1	0		1 100 0 0	
72	Clay County	County	17372	49	Motor grader, >135 HP	13 13	0		13 100 0 0	
72	Clay County	County	17372 17372		Scraper, Rubber Tire Elevating <15 cy		0		1 100 0 0 1 100 0 0	4
72	Clay County Clay County	County County	1/3/2		Skid Steer Loader, Wheel or Track Lift Tractor		1 0		1 100 0 0 1 100 0 0	
	Clay County Clay County	County	17372		Bucket Truck		1 0		1 100 0 0	
72	Clay County	County	17372		Brush Chipper	1 1	0		1 100 0 0	
72		County	17372	105	Compressor, Air 125-200	1 1	0		1 100 0 0	
72	Clay County	County	17372	122	Marker, Centerline Paint	1 1	0		1 100 0 0	
72	Clay County	County	17372		Saw, Concrete		0		1 100 0 0	
72	Clay County	County	17372		Shouldering Machine		1 0		1 100 0 0	4
241		County	17372 18187	144	Trailer, Low Bed Semi	5 5	0		1 100 0 0 5 100 100 0 0	
241	Cedar County Cedar County	County County	18187		Single Axle, Dump Body Single axle, flatbed	5 5	0		5 100 100 0 0 5 100 100 0 0	
	Cedar County	County	18187		Tandem axle, flatbed	8 8	0		8 100 100 0 0	
241		County	18187	12	Semi-Tractor	2	2 0		2 100 100 0 0	
241	Cedar County	County	18187	13	Hydraulic wheeled, < 1 cy	2 1 1	0		2 100 100 0 0	
	Cedar County	County	18187		Hydraulic crawler, 1–2 cy	1 1	0		1 75 100 0 0	
241	Cedar County	County	18187	30	Loader Crawler 80 HP or less	2 2	1 0		1 75 100 0 0	
	Cedar County Cedar County	County County	18187 18187		Wheel Loader 2 cy + Mowing Tractor 65+ HP	2 2 2	0		2 100 100 0 0 2 75 100 0 0	
	Cedar County Cedar County	County	18187		Tractor Loader-Backhoe		0		1 75 100 0 0	
		County	18187		Dozer, 150 HP or less	2 2	0		2 75 100 0 0	
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		Equip.		In	2 ⁰ / 5	mal	et sin	8 5 ⁶⁸ 65 ⁹	AP AN AN AN		×° / 28	se sinte onsit	150
ID Entity	Туре	Pop. Line	Type of Equipment	*Or	ed *For	/*0	Nect Purchaster	* 2 ³⁵ ~ 2 ⁹⁵ * 1 ⁹⁶	55 ⁶ +10 ¹⁰ +10 ¹⁰ +5 ¹⁰	Not Toto	010	AS IN THE TO THE CONTRACT OF THE TOP OF TOP	·/
241 Cedar County	County	18187 44	4 Dozer, 150-300 HP	1				1	5	1	10	100 0 0	0
241 Cedar County	County		6 Dragline, 1/2 cy or less	1	1			0	-	1	75		
241 Cedar County 241 Cedar County	County County		7 Dragline, > 1/2 cy 9 Motor grader, >135 HP	1	11	1		1 0	-	12	75 100		
241 Cedar County	County		5 Pickups	16				0	j	16		100 0 0	
241 Cedar County	County		3 Broom, Attachment	1	1			0)	1	75	100 0 0	
241 Cedar County 241 Cedar County	County County		4 Brush Chipper 5 Compressor, Air 125-200	2	1	2		0	/	1	100 75	100 0 0 100 0 0	
241 Cedar County 241 Cedar County	County		1 Driver, Pile or Pipe	1	1	~		0	0	1	75		
241 Cedar County	County	18187 115	5 Hydro-Seeder	1	1			0	j l	1	75	100 0 0	<u>)</u>
241 Cedar County	County		1 Seeder	1		1	-+	0	5	1	75	100 0 0	
241 Cedar County 241 Cedar County	County County	18187 138 18187 139	8 Sprayer, Weed 9 Sweeper Attachment	1	1				i 		75 75	100 0 0 100 0 0	
241 Cedar County	County	18187 141	1 Trailer, Belly Dump	2	2			0		2	2 100	100 0 0	
241 Cedar County	County	18187 143	3 Trailer, Low Bed 15 Ton	5	3	1		1 0	1	5	100	100 0 0	2
241 Cedar County 138 Delawara County	County County		4 Trailer, Low Bed Semi 1 Single Axle, Dump Body	1	1			0	5	1	100	100 0 0 95 5 0	5
138 Delaware County 138 Delaware County	County		4 Tandem axle, dump body	9				0	5	9		95 5 0	5
138 Delaware County	County		2 Semi-Tractor	1				1 0		1		80 20 0	
138 Delaware County	County		4 Hydraulic wheeled, 1-2 cy	2	2			0		2	2	85 15 0	5
138 Delaware County 138 Delaware County	County County		7 Hydraulic crawler, 1–2 cy 7 Sheep's Foot Roller 40-67"	1	1	1		0	-	1	+ -	80 20 0 50 50 0	
138 Delaware County 138 Delaware County	County		3 Wheel Loader 2 cy +	3	2			1 0		3		100 0 0	5
138 Delaware County	County	18404 35	5 Mowing Tractor 45-65 HP	3	3			0		3	1	100 0 0	
138 Delaware County	County		6 Mowing Tractor 65+ HP	2	2		-+	0	-	2	2	100 0 0	
138 Delaware County 138 Delaware County	County County		2 Cranes 3 Dozer, 150 HP or less	1	1			0			+ +	100 0 0 50 50 0	
138 Delaware County	County	18404 49	9 Motor grader, >135 HP	12	'	12		0	0	12	2	90 10 0	
138 Delaware County	County	18404 53	3 Skid Steer Loader, Wheel or Track	1		1		0	-	1		90 10 0	
138 Delaware County 138 Delaware County	County County		1 Sign Truck 5 Pickups	1		1		0				100 0 0 30 70 0	
138 Delaware County 138 Delaware County	County		1 1-Ton Utility Truck	2		2		0		2		100 0 0	
138 Delaware County	County	18404 82	2 1-Ton Flatbed	3		3		0	D	3	5	100 0 0	
138 Delaware County	County		3 Car 6 1/2 Tap Bielup	1		1		0		1		100 0 0	
138 Delaware County 138 Delaware County	County County		6 1/2 Ton Pickup 7 3/4 Ton Flatbed Truck	2		2		0		1	-	90 10 0 100 0 0	
138 Delaware County	County		8 3/4 Ton Pickup	1		1		0		1		100 0 0	
138 Delaware County	County		9 3/4 Ton Window Van	1		1		0		1		30 70 0	
138 Delaware County	County		0 1/2 Ton Window Van 2 Broaker Bayement, Attachment	1		1		0		1	+	100 0 0 100 0 0	
138 Delaware County 138 Delaware County	County County	18404 103	2 Breaker Pavement, Attachment 3 Broom, Attachment	1						1		100 0 0	5
138 Delaware County	County	18404 104	4 Brush Chipper	2	2			0	0	2	2	100 0 0	2
138 Delaware County	County	18404 105	5 Compressor, Air 125-200	1	1	1		0		1	<u>+</u> –	100 0 0	
138 Delaware County 138 Delaware County	County County		3 Grapple Attachment, Loader 0 Saw, Concrete	1				0	0	1	+ +	100 0 0 100 0 0	5
138 Delaware County	County		8 Sprayer, Weed	1	1			0		1		100 0 0	
138 Delaware County	County	18404 139	9 Sweeper Attachment	1	1			0		1		100 0 0	D
138 Delaware County	County		4 Trailer, Low Bed Semi	1	1			0	-	1		100 0 0	
53 Hardin County 53 Hardin County	County County		1 Single Axle, Dump Body 2 Single axle, flatbed	9	9			0		9	1	100 0 0	4
53 Hardin County	County	18812 4	4 Tandem axle, dump body	5	5			0	D	5	5	100 0 0	5
53 Hardin County	County	18812 12	2 Semi-Tractor	2	2			0		2	2	100 0 0	
53 Hardin County	County		5 Hydraulic wheeled, 2+ cy	1	1			0		1	1 1	100 0 0	
53 Hardin County 53 Hardin County	County County		8 Hydraulic crawler, 2+ cy 3 Drum Roller 40–67"	0.5	0.5			0	-	0.5		100 0 0 100 0 0	
53 Hardin County	County	18812 30	0 Loader Crawler 80 HP or less	1	0.5			0		1		100 0 0	
53 Hardin County	County	18812 31	1 Loader Crawler 80+ HP	1	1			0		1		100 0 0	<u> </u>
53 Hardin County	County		3 Wheel Loader 2 cy + 5 Mowing Tractor 45 65 HP	3	2			3 0	1	3		100 0 0	1
53 Hardin County 53 Hardin County	County County		5 Mowing Tractor 45-65 HP 7 Tractor Loader-Backhoe	1	2			0	0	1		100 0 0	
53 Hardin County	County	18812 44	4 Dozer, 150-300 HP	2	2			0	5	2	2	100 0 0	5
53 Hardin County	County	18812 47	7 Dragline, > 1/2 cy	2	2			0		2	2	50 50 0	
53 Hardin County	County		9 Motor grader, >135 HP 4 Brush Chippor	15	15			0		15		100 0 0 100 0 0	5
53 Hardin County 53 Hardin County	County County		4 Brush Chipper 5 Compressor, Air 125-200	1	1			0	5	1		100 0 0	5
53 Hardin County	County	18812 111	1 Driver, Pile or Pipe	1	1			C C		1		50 50 0	5
53 Hardin County	County		5 Hydro-Seeder	1	1	\square	<u> </u>	0		1	$+ \top$	100 0 0	
	County	18812 130	0 Saw, Concrete	1 1	. 1	1	. 1	0	オート トート	1	4	100 0 0	4
53 Hardin County					<u> </u>			1 0		4			
53 Hardin County 53 Hardin County 53 Hardin County	County County County	18812 132	2 Sewer Jet 8 Sprayer, Weed	1	2			1 0	2	1	2	100 0 0	1

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					a and a and a a a a a a a a a a a a a a	5 ⁶ 15 ⁵ 15 15 ⁶	Ler Ler L	on own	e serie	nd references 1988
			Equip.		20400 x 2010 x 20 x 24 x 24 x 24 x 24 x 24 x 24 x 2	22 ²⁵ 2 ²⁵ 5 ¹⁰ 5 ¹	3 CHOL 693		Nall.	Core and
ID Entity	Туре	Pop.	Line	Type of Equipment	2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Terr bourser to rest	10° 010	Se Maintera	C ⁰ (10 ¹⁰) (10 ¹⁰) (10 ¹⁰)
53 Hardin County	County	18812		Trailer, Low Bed Semi	2 2	0		2	100	0 0
53 Hardin County	County	18812		Washer, Hi-Power Water	3 3	0		3		0 0
194 Poweshiek County	County	18815 18815		Single Axle, Dump Body	15 15	0		15 100 1 50	97	3 0 50 0
194 Poweshiek County 194 Poweshiek County	County County	18815	2	Single axle, flatbed Tandem axle, dump body	4 4	0		4 100		0 0
194 Poweshiek County	County	18815	12	Semi-Tractor	1 1	0		1 25		50 0
194 Poweshiek County	County	18815		Hydraulic wheeled, < 1 cy	2 2	0		2 75	100	0 0
194 Poweshiek County	County	18815		Loader Crawler 80+ HP	1 1	0		1 75	100	0 0
194 Poweshiek County	County	18815	33	Wheel Loader 2 cy +	4 4	0		4 100	100	0 0
194 Poweshiek County	County	18815		Mowing Tractor 65+ HP	3 3	0		3 75		0 0
194 Poweshiek County	County	18815		Tractor Loader-Backhoe	1 1	0		1 75 1 75	100	0 0
194 Poweshiek County	County	18815	43	Dozer, 150 HP or less	1 1	0		1 75		0 0
194 Poweshiek County 194 Poweshiek County	County County	18815 18815	44	Dozer, 150-300 HP Dragline, > 1/2 cy	2 2	0	+ + +	2 100		0 0 25 0
194 Poweshiek County 194 Poweshiek County	County	18815		Dragline, > 1/2 cy Motor grader, >135 HP	13 13	0		13 100	100	25 0
194 Poweshiek County	County	18815		Scraper, Rubber Tire Elevating <15 cy	1 1	0	+ + +	1 75		0 0
194 Poweshiek County	County	18815		Broom, Attachment	3 3	0		3 100	100	0 0
194 Poweshiek County	County	18815	104	Brush Chipper	1 1	0		1 50	100	0 0
194 Poweshiek County	County	18815	105	Compressor, Air 125-200	2 2	0		2 100	100	0 0
194 Poweshiek County	County	18815		Saw, Concrete	1 1	0		1 75		0 0
	County	18815		Seeder	1 1	0	+ $+$ $+$	1 50	100	0 0
194 Poweshiek County	County	18815	134	Shouldering Machine	1 1	0		1 75		0 0
194 Poweshiek County 194 Poweshiek County	County County	18815 18815		Sweeper Attachment Trailer, Low Bed 15 Ton	3 3	0	+ + +	3 100 1 75	100 100	0 0
194 Poweshiek County 194 Poweshiek County	County	18815		Trailer, Low Bed 15 Ton		0		1 100		0 0
238 Jones County Secondary Roads	County	20221		Single Axle, Dump Body	10 10	0		10		10 0
238 Jones County Secondary Roads	County	20221		Single axle, flatbed	1 1	0		1		25 0
238 Jones County Secondary Roads	County	20221	4	Tandem axle, dump body	6 6	0		6	90	10 0
238 Jones County Secondary Roads	County	20221	12	Semi-Tractor	1 1	0		1		50 0
238 Jones County Secondary Roads	County	20221		Hydraulic wheeled, 2+ cy	2 2	0	+ $+$ $+$	2		25 0
238 Jones County Secondary Roads	County	20221		Drum Roller 40–67"	4 3 1	0	+ $+$ $+$	1		0 0
238 Jones County Secondary Roads 238 Jones County Secondary Roads	County County	20221 20221		Wheel Loader 2 cy + Mowing Tractor 45-65 HP	4 3 1 6 5 1	0	+	6		20 0 0 0
238 Jones County Secondary Roads 238 Jones County Secondary Roads	County	20221		Tractor Loader-Backhoe		0		1		40 0
238 Jones County Secondary Roads	County	20221		Dozer, 150 HP or less		0		1		50 0
238 Jones County Secondary Roads	County	20221		Dozer, 150-300 HP	2 1 1	0		2	50	50 0
238 Jones County Secondary Roads	County	20221		Dragline, > 1/2 cy	1 1	0		1		50 0
238 Jones County Secondary Roads	County	20221	49	Motor grader, >135 HP	12 12	0		12		10 0
238 Jones County Secondary Roads	County	20221	103	Broom, Attachment	1 1	0		1		0 0
238 Jones County Secondary Roads	County	20221		Compressor, Air 125-200	1 1	0		1		50 0
238 Jones County Secondary Roads	County	20221		Saw, Concrete	1 1	0		1		0 0
238 Jones County Secondary Roads 238 Jones County Secondary Roads	County County	20221 20221		Trailer, Low Bed 15 Ton Trailer, Low Bed Semi		0		1		50 0
41 Buena Vista County	County	20221		Single Axle, Dump Body	5 5	0		5	100	0 0
41 Buena Vista County	County	20411	2	Single axle, flatbed	1 1	0		1		0 0
41 Buena Vista County	County	20411	4	Tandem axle, dump body	8 8	0		8	96	4 0
41 Buena Vista County	County	20411		Semi-Tractor	1 1	0		1		0 0
41 Buena Vista County	County	20411		Hydraulic wheeled, 1-2 cy	2 2	0	+ $+$ $+$	2		0 0
41 Buena Vista County	County	20411		Drum Roller 40–67"		0		1		0 0
41 Buena Vista County 41 Buena Vista County	County County	20411 20411		Sheep's Foot Roller 67"+ Wheel Loader 2 cy +	5 1 4	0	+ + +	5		<u>15 0</u> 0 0
	County	20411	35	Mowing Tractor 65+ HP		0		5		0 0
41 Buena Vista County	County	20411	37	Tractor Loader-Backhoe	2 2	0		2		0 0
41 Buena Vista County	County	20411		Dozer, 150 HP or less	1 1	0		1	100	0 0
41 Buena Vista County	County	20411		Dozer, 150-300 HP	1 1	0		1		0 0
41 Buena Vista County	County	20411	49	Motor grader, >135 HP	16 8 8	0		16		0 0
41 Buena Vista County	County	20411	51	Scraper, Rubber Tire Elevating <15 cy		1 1	1	2		15 0
41 Buena Vista County	County	20411		Single Axle, Sign Truck		0		1	100	0 0
41 Buena Vista County	County	20411 20411	104	Brush Chipper Compressor, Air 125-200		0	++	1	100	0 0
41 Buena Vista County 41 Buena Vista County	County County	20411 20411		Compressor, Air 125-200 Filler, Crack		0				0 0
41 Buena Vista County 41 Buena Vista County	County	20411		Sewer Jet		0		1	100	0 0
41 Buena Vista County 41 Buena Vista County	County	20411		Trailer, Low Bed Semi		0		1		0 0
41 Buena Vista County	County	20411		Trailer, Van	1 1	0		1		00 0
41 Buena Vista County	County	20411	146	Washer, Hi-Power Water	1 1	0		1	100	0 0
139 Buchanan County Secondary Road Department	County	21093	1	Single Axle, Dump Body	15 15	0		15	100	0 0
139 Buchanan County Secondary Road Department	County	21093		Single axle, flatbed	2 2	0		2		0 0
139 Buchanan County Secondary Road Department	County	21093		Tandem axle, dump body Tandem axle, flatbed	5 5	0	+ $+$ $+$	5	100 100	0 0
100 Bushanan Causta Cas 1 B 1B 1										
139 Buchanan County Secondary Road Department 139 Buchanan County Secondary Road Department	County County	21093 21093		Semi-Tractor		0		1	100	0 0

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ID Entity	Туре	Pop.	Equip. Line	Type of Equipment		
139 Buchanan County Secondary Road Department	County	21093		Hydraulic crawler, <1 cy		
139 Buchanan County Secondary Road Department	County	21093		Rubber Tire Roller 9 wheel		
139 Buchanan County Secondary Road Department	County	21093		Sheep's Foot Roller 67"+	1 1 0 1 100 0 0	
139 Buchanan County Secondary Road Department	County	21093		Wheel Loader 2 cy +	4 4 0 4 100 0 4 4 0 4 100 0 0	
139 Buchanan County Secondary Road Department 139 Buchanan County Secondary Road Department	County	21093 21093		Mowing Tractor 45-65 HP Tractor Loader-Backhoe	4 4 0 4 100 0 1 1 0 1 100 0 0	
139 Buchanan County Secondary Road Department	County	21093		Dozer, 150-300 HP		
139 Buchanan County Secondary Road Department	County	21093	47	Dragline, > 1/2 cy	1 1 0 0 1 1 100 0 0	
139 Buchanan County Secondary Road Department	County	21093		Motor grader, >135 HP	13 13 0 13 100 0 0	
139 Buchanan County Secondary Road Department	County	21093		Scraper, Rubber Tire Elevating <15 cy		
139 Buchanan County Secondary Road Department 139 Buchanan County Secondary Road Department	County County	21093 21093		Broom, Attachment Brush Chipper	1 1 0 1 100 0 2 2 0 2 100 0 0	
139 Buchanan County Secondary Road Department	County	21093		Compressor, Air 125-200		
139 Buchanan County Secondary Road Department	County	21093	111	Driver, Pile or Pipe	1 1 0 0 1 1 100 0 0	
139 Buchanan County Secondary Road Department	County	21093	115	Hydro-Seeder	1 1 0 0 0 0	
139 Buchanan County Secondary Road Department	County	21093		Saw, Concrete		
139 Buchanan County Secondary Road Department 139 Buchanan County Secondary Road Department	County County	21093 21093		Seeder Washer, Hi-Power Water	1 1 100 0 0 1 1 0 1 100 0 0	
197 Winneshiek County	County	21093		Single Axle, Dump Body		
197 Winneshiek County	County	21310	2	Single axle, flatbed	2 2 0 0 2 100 0 0	
197 Winneshiek County	County	21310	4	Tandem axle, dump body	12 12 0 12 100 0 0	
197 Winneshiek County	County	21310		Semi-Tractor		
197 Winneshiek County 197 Winneshiek County	County County	21310 21310		Hydraulic wheeled, 1–2 cy Rubber Tire Roller 9 wheel	1 0 1 100 0 1 1 0 1 100 0 0	
197 Winneshiek County	County	21310		Sheep's Foot Roller 40-67"		
197 Winneshiek County	County	21310	30	Loader Crawler 80 HP or less	1 1 0 0 1 1 100 0 0	
197 Winneshiek County	County	21310	32	Wheel Loader 2 cy or less	2 2 0 0 2 100 0 0	
197 Winneshiek County	County	21310	33	Wheel Loader 2 cy + Mowing Tractor 45 65 HP	4 4 0 4 100 0 5 5 0 5 100 0	
197 Winneshiek County 197 Winneshiek County	County	21310 21310		Mowing Tractor 45-65 HP Mowing Tractor 65+ HP	5 5 0 5 100 0 1 1 0 1 100 0 0	
197 Winneshiek County	County	21310		Tractor Loader-Backhoe		
197 Winneshiek County	County	21310	40	Sweeper, 4 Wheel Mechanical	1 1 0 0 1 1 100 0 0	
197 Winneshiek County	County	21310	42	Cranes		
197 Winneshiek County 197 Winneshiek County	County	21310		Dozer, 150 HP or less		
197 Winneshiek County 197 Winneshiek County	County County	21310 21310		Dragline, 1/2 cy or less Motor grader, >135 HP	1 1 0 1 100 0 12 12 0 12 100 0 0	
197 Winneshiek County	County	21310		Skid Steer Loader, Wheel or Track		
68 Carroll County Secondary Road Department	County	21421		Single Axle, Dump Body	4 4 0 4 53.1 100 0 0	
68 Carroll County Secondary Road Department	County	21421		Single axle, flatbed		
68 Carroll County Secondary Road Department	County	21421		Tandem axle, dump body		
68 Carroll County Secondary Road Department 68 Carroll County Secondary Road Department	County	21421 21421		Semi-Tractor Hydraulic wheeled, < 1 cy	1 1 0 1 80 97 3 0 1 1 0 1 65 92 8 0	
68 Carroll County Secondary Road Department	County	21421	16	Hydraulic crawler, <1 cy	1 1 0 1 65 92 8 0	
68 Carroll County Secondary Road Department	County	21421	30	Loader Crawler 80 HP or less	2 2 0 0 2 14.4 96 4 0	
68 Carroll County Secondary Road Department	County	21421 21421		Wheel Loader 2 cy +	3 3 0 3 66.7 100 0 0 1 1 0 1 17.5 86 14 0	
68 Carroll County Secondary Road Department 68 Carroll County Secondary Road Department	County County	21421 21421		Dragline, 1/2 cy or less Dragline, > 1/2 cy	1 1 0 1 17.5 86 14 0 1 1 0 1 22.5 67 33 0	
68 Carroll County Secondary Road Department	County	21421	49	Motor grader, >135 HP		
68 Carroll County Secondary Road Department	County	21421	53	Skid Steer Loader, Wheel or Track	1 1 0 0 1 100 0 0	
68 Carroll County Secondary Road Department	County	21421		Breaker Pavement, Attachment	1 1 0 1 2.5 100 0 0	
68 Carroll County Secondary Road Department	County	21421 21421		Broom, Attachment	1 1 0 1 3.75 100 0 0 1 1 0 1 1 100 0 0	
68 Carroll County Secondary Road Department 68 Carroll County Secondary Road Department	County County	21421 21421	105	Compressor, Air 125-200 Kettle, Bitumen Heater		
68 Carroll County Secondary Road Department	County	21421		Sprayer, Weed		
68 Carroll County Secondary Road Department	County	21421	141	Trailer, Belly Dump	1 1 0 1 42.5 100 0 0	
68 Carroll County Secondary Road Department	County	21421		Trailer, Low Bed Semi		
68 Carroll County Secondary Road Department	County	21421		Trailer, Van	1 1 0 1 25 40 60 0 16 16 50 50 0<	
16 Mahaska County Highway Dept. 16 Mahaska County Highway Dept.	County	22335 22335	1	Single Axle, Dump Body Single axle, flatbed	16 16 0 16 50 0 2 2 0 2 50 0	
16 Mahaska County Highway Dept.	County	22335	12	Semi-Tractor		
16 Mahaska County Highway Dept.	County	22335	14	Hydraulic wheeled, 1–2 cy	2 2 0 100 0	
16 Mahaska County Highway Dept.	County	22335	18	Hydraulic crawler, 2+ cy	2 2 0 100 0	
16 Mahaska County Highway Dept.	County	22335	28	Sheep's Foot Roller 67"+		
16 Mahaska County Highway Dept. 16 Mahaska County Highway Dept.	County	22335 22335		Wheel Loader 2 cy + Mowing Tractor <45 HP	2 2 50 0 1 1 0 1 100 0	
16 Mahaska County Highway Dept.	County	22335		Mowing Tractor 65+ HP		
16 Mahaska County Highway Dept.	County	22335	43	Dozer, 150 HP or less		
16 Mahaska County Highway Dept.	County	22335		Dozer, 150-300 HP		
16 Mahaska County Highway Dept.	County	22335	49	Motor grader, >135 HP	13 13 67 33 0 4 4 0 4 100 0	
16 Mahaska County Highway Dept.	County	22335 22335		Trailer, Belly Dump Trailer, Low Bed Semi		
16 Mahaska County Highway Dept.	County	22335	144	Trailer, Low Bed Semi		

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					Type of Equipment 45 15 15 00 00 00 00 00 00 00 00 00 00 00 00 00
					/ # / # / 5 / 3 / 1 # / 5 / 1 # / 5 / 1 * / 5 * / 5 * / 5 * / 5 * / 5 * / 5 * / 5 * / 5 * / 5 * / 5 * /
ID	Entity	Туре	Pop.	Equip. Line	Type of Equipment 150
	· · · · · · · · · · · · · · · · · · ·	County	23325		Type of Equipment X
	Bremer County	County	23325		Single axle, flatbed 1 1 1 0 0 1 100 0 0
	Bremer County	County	23325		Tandem axle, dump body 1 1 0 1 100 50 50 0
		County	23325		Tandem axle, flatbed 1 1 0 1 75 100 0
	Bremer County Bremer County	County County	23325 23325		Water Truck 2 2 0 2 100 0 0 Semi-Tractor 1 1 0 1 75 0 100 0
	Bremer County	County	23325		Semi-fraction 1 1 0 1 1 0 1 1 1 0 0 0 0 0 0
		County	23325		Hydraulic wheeled, 1–2 cy 1 1 1 0 0 1 75 90 10 0
111	Bremer County	County	23325	28	Sheep's Foot Roller 67"+ 1 1 0 1 75 0 100 0
		County	23325		Integrated Tool Carrier 1 1 0 0 1 75 100 0 0
	Bremer County	County	23325		Loader Crawler 80 HP or less 1 1 0 1 75 0 100 0 Wheel Loader 2 cy or less 1 1 0 0 1 100 0 0
111	Bremer County Bremer County	County County	23325 23325		Writer Loader 2 cy or less 1 1 0 1 100 100 0 0 Mowing Tractor 45-65 HP 2 2 0 2 75 100 0 0
	Bremer County	County	23325		Mowing Tractor 65+ HP 3 3 3 0 0 3 75 100 0 0
111	Bremer County	County	23325	42	Cranes 1 1 1 0 1 1 10 0 10 0
111		County	23325	43	Dozer, 150 HP or less 3 3 0 3 75 0 100 0
		County	23325		Motor grader, >135 HP 12 12 0 12 87.5 95 5 0 Broom. Attachment 1 1 0 1 75 100 0 0
	Bremer County Bremer County	County County	23325 23325		Broom, Attachment 1 1 0 1 75 100 0 Brush Chipper 1 1 0 1 100 100 0 0
		County	23325	104	Diasi Cingressor, Air 125-200 2 2 2 0 0 2 75 50 50 0
111	Bremer County	County	23325	111	Driver, Pile or Pipe 1 1 1 0 1 75 0 100 0
111	Bremer County	County	23325	143	Trailer, Low Bed 15 Ton 1 0 1 75 100 0 Trailer, Low Bed 15 Ton 1 4 0 4 75 100 0 0
	Bremer County	County	23325		Trailer, Low Bed Semi 1 1 0 1 75 0 100 0 Trailer, Van 1 1 0 1 75 0 100 0
		County County	23325 23325		Trailer, Van 1 1 0 1 75 0 100 0 Washer, Hi-Power Water 1 1 0 1 100 85 15 0
		County	26224		Tandem avie, dump body 1 1 1 0 1 100 0 0
167	Boone County Secondary Roads	County	26224	12	Semi-Tractor 1 1 0 1 0 1 0 10 0
167		County	26224		Hydraulic wheeled, 1–2 cy 1 1 0 1 100 0
	Boone County Secondary Roads	County	26224		Hydraulic crawler, 1–2 cy 2 2 0 2 100 0 Wheel Loader 2 cy + 3 3 0 3 100 0 0
	Boone County Secondary Roads Boone County Secondary Roads	County County	26224 26224		Wheel Loader 2 cy + 3 3 0 3 100 0 Mowing Tractor 65+ HP 3 3 0 3 100 0 0
		County	26224		monning nate of the state of th
	Boone County Secondary Roads	County	26224		Dozer, 150-300 HP 1 1 0 0 1 5 95 0
	Boone County Secondary Roads	County	26224		Dragline, > 1/2 cy 1 1 0 1 100 0
	Boone County Secondary Roads	County	26224	104	Brush Chipper 1 1 0 1 100 0 Hvdro-Seeder 1 1 0 1 100 0 0
167	Boone County Secondary Roads Boone County Secondary Roads	County County	26224 26224	115	Hydro-Seeder 1 1 0 1 100 0 Saw, Concrete 1 1 0 0 1 50 50 0
	Boone County Secondary Roads	County	26224		Com, control c
167	Boone County Secondary Roads	County	26224	146	Washer, Hi-Power Water 3 3 0 3 100 0 0
		County	32052		Single Axle, Dump Body 13 13 0 13 100 0 0
146	Marion County	County	32052		Single axle, flatbed 1 1 0 1 100 0 Tandem axle, dump body 5 5 0 5 100 0 0
140	Marion County Marion County	County County	32052 32052		Tandem axle, dump body 5 5 0 5 100 0 0 Semi-Tractor 1 1 0 1 100 0 0
	Marion County	County	32052		Senimination in the senimination is seniminated as a senimination of the senimination in the senimination is senimination in the senimination in the senimination is senimination in the senimination in the senimination in the senimination in the senimination is senimination in the senimination in t
146	Marion County	County	32052	23	Drum Roller 40–67" 0 1 1 1 75 100 0 0
	Marion County	County	32052		Sheeps Foot Roller 40-67" 2 2 0 2 37.5 100 0 0
	Marion County	County	32052 32052		Wheel Loader 2 cy + 4 2 2 0 4 100 0 0 Mowing Tractor <45 HP
146	Marion County Marion County	County County	32052		Mowing Tractor 4-05 HP 3 3 0 3 33 100 0 0 Mowing Tractor 45-65 HP 3 3 0 3 75 100 0 0
	Marion County	County	32052	36	Moving Tradit 4500 Th 3 3 0 3 100 0 Moving Tradit 65+ HP 1 1 0 1 100 0 0
146	Marion County	County	32052	43	Dozer, 150 HP or less 4 1 3 0 4 81.25 100 0 0
		County	32052		Dragline, 1/2 cy or less 2 2 0 2 87.5 100 0 0
146	Marion County Marion County	County County	32052 32052	49	Motor grader, >135 HP 14 14 0 14 100 0 0 Scraper, Rubber Tire Elevating <15 cy
		County	32052		Scraper, Rubber Tire Elevating <15 cy 2 2 0 2 62.5 100 0 0 Skid Steer Loader, Wheel or Track 0 1 1 1 2.5 100 0
	Marion County	County	32052		One decision O I <thi< th=""> I <th< td=""></th<></thi<>
146	Marion County	County	32052	103	Broom, Attachment 1 0 1 75 100 0
	Marion County	County	32052		Compressor, Air 125-200 3 3 0 0 3 67 100 0 0
		County County	32052 32052		Driver, Pile or Pipe 1 1 0 1 75 100 0 0 Hydro-Seeder 1 1 0 1 125 100 0 0
		County	32052		Hydro-Seeder 1 1 0 1 25 100 0 Kettle, Bitumen Heater 1 1 0 1 150 100 0 0
	Marion County	County	32052		Neue Judinen reaetri 1 1 1 0 1 1 1 0 1 0 0 0 0 0
146	Marion County	County	32052	134	Shouldering Machine 1 1 0 1 75 100 0
146	Marion County	County	32052	138	Sprayer, Weed 1 1 0 1 75 100 0
		County	32052		Trailer, Low Bed Semi 1 1 0 1 100 0 0 Washer, Hi-Power Water 4 4 0 4 100 100 0 0
	Marion County Wapello County	County County	32052 36051		Washer, Hi-Power Water 4 4 0 4 100 0 0 Single Axle, Dump Body 9 9 0 9 100 94 6 0
218		County	36051		Single Ave, Dunp Lody 3 3 3 0 3 3 0 3 0 0 0 0 0
218	Wapello County	County	36051	12	Semi-Tractor 2 2 0 0 2 100 94 6 0
	Wapello County	County	36051		Hydraulic wheeled, 1–2 cy 1 1 0 1 100 75 25 0
218	Wapello County	County	36051	18	Hydraulic crawler, 2+ cy 1 1 0 1 100 50 50 0

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D Entity	Туре	Pop. Lir		#Ouried	*Fornal	80 210 10 00	ort used	Solution Connect Conne	NAME NONE	ne na	1 100	olo Mal	tenance
218 Wapello County	County	36051	e Type of Equipment 31 Loader Crawler 80+ HP	<u> </u>	Ť		\uparrow				1 100	94	6
18 Wapello County	County	36051	33 Wheel Loader 2 cy +	1		1		1	1		2 62.5		0
18 Wapello County	County	36051	35 Mowing Tractor 45-65 HP	13		13		0			13 100	100	0
18 Wapello County	County	36051	42 Cranes	1			1	0			1 100	88	12
18 Wapello County	County	36051	44 Dozer, 150-300 HP	1			1	0	_		1 100		12
8 Wapello County	County	36051	49 Motor grader, >135 HP 51 Scraper, Rubber Tire Elevating <15 cy	10	2	8	1	0			10 100	98 75	2 25
8 Wapello County 8 Wapello County	County	36051	53 Skid Steer Loader, Wheel or Track	1			1	0			1 100	100	25
8 Wapello County	County	36051	105 Compressor, Air 125-200	1		1		0			1 100		0
8 Wapello County	County	36051	111 Driver, Pile or Pipe	1		1		0			1 100	75	25
8 Wapello County	County	36051	141 Trailer, Belly Dump	1		1		0			1 100	100	0
18 Wapello County	County	36051	144 Trailer, Low Bed Semi	1		1		0			1 100	50	50
18 Wapello County	County	36051	201 Forklift	1			1	0			1 100		0
18 Wapello County 33 Jasper County	County	36051 37213	202 Road Scarifier/mixer Damaged Disk	1			4	0	+ +		1 100	75	25
47 Lee County	County County	38052	1 Single Axle, Dump Body	12	12		+ +	0			12	88	12
47 Lee County	County	38052	2 Single axle, flatbed	2	1		1	0			2	100	0
47 Lee County	County	38052	4 Tandem axle, dump body	4	4			0			4	71	29
17 Lee County	County	38052	10 Truck-Mounted Bitumen Distrubutor	1		1		0			1	28	72
7 Lee County	County	38052	12 Semi-Tractor	2			2	0			2	100	0
7 Lee County	County	38052	16 Hydraulic crawler, <1 cy	3	2	1		0			3	100	0
7 Lee County 7 Lee County	County County	38052 38052	23 Drum Roller 40–67" 25 Rubber Tire Roller 7 wheel	1	- 1	1		0			1	28 32	72 68
/ Lee County	County	38052	31 Loader Crawler 80+ HP	1	1			0			1	100	0
7 Lee County	County	38052	32 Wheel Loader 2 cy or less	1	1			0			1	100	0
7 Lee County	County	38052	35 Mowing Tractor 45-65 HP	2	2			0			2	100	0
7 Lee County	County	38052	36 Mowing Tractor 65+ HP	6	4	2		0			6	100	0
7 Lee County	County	38052	37 Tractor Loader-Backhoe	2	2			0	_		2	100	0
7 Lee County 7 Lee County	County County	38052 38052	43 Dozer, 150 HP or less 49 Motor grader, >135 HP	1	1			0			1	89 100	11 0
7 Lee County	County	38052	103 Broom, Attachment	0	0	1		0			0	80	20
7 Lee County	County		104 Brush Chipper	1		1		0			1	100	0
7 Lee County	County	38052	105 Compressor, Air 125-200	1		1		0			1	100	0
7 Lee County	County	38052	116 Kettle, Bitumen Heater	1			1	0			1	100	0
7 Lee County	County	38052	126 Pump, Asphalt	1		1	1	0	_		1	100 100	0
7 Lee County 7 Lee County	County	38052 38052	134 Shouldering Machine 143 Trailer, Low Bed 15 Ton	2	2		1	0			2	100	0
7 Lee County	County	38052	144 Trailer, Low Bed Semi	1	1			0			1	100	0
7 Lee County	County	38052	146 Washer, Hi-Power Water	2		2		0			2	100	0
7 Lee County	County	38052	185 Steel Tankers	2		:	2	0			2	100	0
Marshall County Secondary Road Dept.	County	39311	1 Single Axle, Dump Body	9		9	+ +	0			9	98	2
Marshall County Secondary Road Dept.	County	39311	3 Single axle, van body	1		1	+ +	0			1	100 98	2
Marshall County Secondary Road Dept. Marshall County Secondary Road Dept.	County County	39311 39311	4 Tandem axle, dump body 14 Hydraulic wheeled, 1–2 cy	1	-	1	+ +	0			1	98	2
Marshall County Secondary Road Dept.	County	39311	30 Loader Crawler 80 HP or less	1		1	+ +	ő			1	100	0
0 Marshall County Secondary Road Dept.	County	39311	33 Wheel Loader 2 cy +	2		2		0			2	100	0
0 Marshall County Secondary Road Dept.	County	39311	34 Mowing Tractor <45 HP	1		1		0			1	100	0
Marshall County Secondary Road Dept.	County	39311	35 Mowing Tractor 45-65 HP	1		1	+ +	0			1	100	0
Marshall County Secondary Road Dept.	County	39311	36 Mowing Tractor 65+ HP	1		1	+ +	0			1	100	0
0 Marshall County Secondary Road Dept. 0 Marshall County Secondary Road Dept.	County County	39311 39311	37 Tractor Loader-Backhoe 38 Tractor Loader-Box Blade	1	-	1	+ +	0			1	98 100	2
0 Marshall County Secondary Road Dept. 0 Marshall County Secondary Road Dept.	County	39311	49 Motor grader, >135 HP	16		16	1 1	0			16	99	1
Marshall County Secondary Road Dept.	County	39311	53 Skid Steer Loader, Wheel or Track	1		1		0			1	100	0
0 Marshall County Secondary Road Dept.	County	39311	94 S/A Sign Truck with Digger Derrick	1		1		0			1	90	10
0 Marshall County Secondary Road Dept.	County	39311	95 Trencher/Loader	1		1		0			1	100	0
0 Marshall County Secondary Road Dept.	County	39311	103 Broom, Attachment	1		1	+ +	0			1	100	0
Marshall County Secondary Road Dept.	County County	39311 39311	104 Brush Chipper 105 Compressor, Air 125-200	1		2	+ +	0	+ +		2	100 100	0
Marshall County Secondary Road Dept. Marshall County Secondary Road Dept.	County	39311	114 Heater, Pre-Mix	1		1	+ +	0			1	100	0
0 Marshall County Secondary Road Dept.	County	39311	115 Hydro-Seeder	1		1		0			1	100	0
0 Marshall County Secondary Road Dept.	County	39311	134 Shouldering Machine	1		1		0			1	100	0
20 Marshall County Secondary Road Dept.	County	39311	136 Snow Blower, Attachment	1		1		0			1	100	0
20 Marshall County Secondary Road Dept.	County	39311	143 Trailer, Low Bed 15 Ton	1	40	1	+ +	0			1	100	0
6 Webster County Engineer	County	40235	1 Single Axle, Dump Body	18	18		+ +	0			18	80	20
06 Webster County Engineer 06 Webster County Engineer	County County	40235 40235	4 Tandem axle, dump body 12 Semi-Tractor	15	15		1	0			15	80 10	20 90
6 Webster County Engineer	County	40235	14 Hydraulic wheeled, 1–2 cy	1		1	·	0			1	80	20
6 Webster County Engineer	County	40235	23 Drum Roller 40-67"	1	L	1		0			1	90	10
06 Webster County Engineer		40235	27 Sheep's Foot Roller 40-67"	1	T		1	0			1	0	
	County				1								
6 Webster County Engineer 6 Webster County Engineer	County County	40235	30 Loader Crawler 80 HP or less 32 Wheel Loader 2 cy or less	1			1	0			1	20 80	80 20

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ID	Entity	Туре	Pop.	Equip. Line Type of Equipment		No. 1010.	010	\$ 1000000000000000000000000000000000000
206 V	/ebster County Engineer	County	40235	34 Mowing Tractor <45 HP		3	i i	100 0 0
206 V	/ebster County Engineer	County	40235	37 Tractor Loader-Backhoe	4 4 0	4		90 10 0
	/ebster County Engineer	County	40235	49 Motor grader, >135 HP	16 16 0	16		90 10 0
	/ebster County Engineer /ebster County Engineer	County County	40235 40235	53 Skid Steer Loader, Wheel or Track 103 Broom, Attachment		1		80 20 0 100 0 0
	/ebster County Engineer	County	40235	104 Brush Chipper		1		100 0 0
	/ebster County Engineer	County	40235	105 Compressor, Air 125-200	1 1 0	1		90 10 0
	/ebster County Engineer	County	40235	124 Milling Head	1 1 0	1		100 0 0
	/ebster County Engineer	County	40235	130 Saw, Concrete		1		
206 V	/ebster County Engineer /ebster County Engineer	County County	40235 40235	136 Snow Blower, Attachment 139 Sweeper Attachment		1	i	100 0 0 100 0 0
	/ebster County Engineer	County	40235	143 Trailer, Low Bed 15 Ton		1	1	80 20 0
206 V	/ebster County Engineer	County	40235	144 Trailer, Low Bed Semi	1 1 0	1		10 90 0
206 V	/ebster County Engineer	County	40235	146 Washer, Hi-Power Water	4 4 0	4		100 0 0
143 V	/arren County Engineer's Office	County	40671	1 Single Axle, Dump Body	15 9 6 0	15		95 5 0
	/arren County Engineer's Office /arren County Engineer's Office	County	40671 40671	4 Tandem axle, dump body 11 Water Truck	10 10 0 1 1 0	10		<u>95 5 0</u> 100 0 0
	/arren County Engineer's Office	County County	40671	12 Semi-Tractor		1		100 0 0
	/arren County Engineer's Office	County	40671	14 Hydraulic wheeled, 1–2 cy	2 2 0	2	2	100 0 0
143 V	/arren County Engineer's Office	County	40671	23 Drum Roller 40–67"	1 1 0	1		100 0 0
	/arren County Engineer's Office	County	40671	29 Integrated Tool Carrier			+	100 0 0
	/arren County Engineer's Office /arren County Engineer's Office	County County	40671 40671	35 Mowing Tractor 45-65 HP 36 Mowing Tractor 65+ HP		2	; 	100 0 0 100 0 0
	/arren County Engineer's Office	County	40671	43 Dozer, 150 HP or less		1	1	100 0 0
	/arren County Engineer's Office	County	40671	44 Dozer, 150-300 HP	2 2 0	2	2	100 0 0
143 V	/arren County Engineer's Office	County	40671	49 Motor grader, >135 HP	13 13 0	13	5	95 5 0
	/arren County Engineer's Office	County	40671	103 Broom, Attachment		1		100 0 0
	/arren County Engineer's Office	County County	40671 40671	104 Brush Chipper 105 Compressor, Air 125-200	1 1 0 0 2 1 1 0	1		100 0 0 100 0 0
	/arren County Engineer's Office /arren County Engineer's Office	County	40671	111 Driver, Pile or Pipe		1	<u>i</u>	100 0 0
	/arren County Engineer's Office	County	40671	112 Filler, Crack		1	i	100 0 0
143 V	/arren County Engineer's Office	County	40671	115 Hydro-Seeder	1 1 0	1		90 10 0
	/arren County Engineer's Office	County	40671	116 Kettle, Bitumen Heater		1		100 0 0
	/arren County Engineer's Office /arren County Engineer's Office	County County	40671 40671	129 Roller, Attachment 130 Saw, Concrete		2	+	100 0 0 100 0 0
	/arren County Engineer's Office	County	40071	139 Sweeper Attachment		1	1	100 0 0
	/arren County Engineer's Office	County	40671	143 Trailer, Low Bed 15 Ton	1 1 0	1	i l	100 0 0
	/arren County Engineer's Office	County	40671		1 1 0	1		100 0 0
	allas County	County	40750	1 Single Axle, Dump Body		6		<u>100 0 0</u> 100 0 0
	allas County allas County	County County	40750 40750	2 Single axle, flatbed 4 Tandem axle, dump body		7		<u>100 0 0</u> 100 0 0
	allas County	County	40750	11 Water Truck	2 2 0	2		100 0 0
245 D	allas County	County	40750	13 Hydraulic wheeled, < 1 cy	2 2 0	2	2 75	100 0 0
	allas County	County	40750	31 Loader Crawler 80+ HP		2	100	100 0 0
	allas County	County	40750	32 Wheel Loader 2 cy or less	3 3 0 0	3	3 100	100 0 0 100 0 0
	allas County allas County	County County	40750 40750	35 Mowing Tractor 45-65 HP 36 Mowing Tractor 65+ HP	3 3 0	1	3 83 1 75	
	allas County	County	40750	37 Tractor Loader-Backhoe		1		100 0 0
245 D	allas County	County	40750	49 Motor grader, >135 HP	12 10 2 0	12	2 100	100 0 0
	allas County	County	40750	53 Skid Steer Loader, Wheel or Track		1		
	allas County	County	40750 40750	102 Breaker Pavement, Attachment		1	1 75 1 75	
	allas County allas County	County County	40750	103 Broom, Attachment 104 Brush Chipper		2	2 100	
	allas County	County	40750	105 Compressor, Air 125-200	2 2 0	2	2 100	100 0 0
245 D	allas County	County	40750	110 Drill, Vertical	2 2 0	2	2 100	100 0 0
	allas County	County	40750	115 Hydro-Seeder		1	10	100 0 0
	allas County allas County	County County	40750	130 Saw, Concrete 131 Seeder		1	1 75 1 75	
	allas County	County	40750	132 Sewer Jet		1	10	100 0 0
245 D	allas County	County	40750	138 Sprayer, Weed	1 1 0	1	1 75	100 0 0
245 D	allas County	County	40750	143 Trailer, Low Bed 15 Ton	3 3 0	3	3 100	100 0 0
	allas County	County	40750			1	1 0	0 0 0
	allas County	County	40750 40750	216 Single Axle, Sign Truck		2	100	100 0 0 100 0 0
	allas County allas County	County County	40750	217 Single Axle, Spray Truck 218 Trailer, 5 ton		1	10	
	allas County	County	40750	219 Trailer, end dump	4 4 0	4		100 0 0
	allas County	County	40750	220 Batwing mower	2 2 0	2	2 75	100 0 0
	allas County	County	40750		1 1 0	1		100 0 0
245 D	handbelounty		11-0-	4 Ginela Anda Dun D 1				
245 D	luscatine County Highway Department luscatine County Highway Department	County County	41722 41722	1 Single Axle, Dump Body 2 Single axle, flatbed		2	-	100 0 0 100 0 0

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ID Entity	Туре	Pop.	Equip. Line	Type of Equipment	"ON.	ed the	` / ,0	Rect Purc		38560 +1019 +1019	" I STO JOP	10101	10 Jou	98 olo Ma	0100	Otre 12
145 Muscatine County Highway Department	County	41722		Semi-Tractor	1	1	()	× (95	5	
145 Muscatine County Highway Department	County	41722		Hydraulic wheeled, 1–2 cy	1		1			0		1		100		0
145 Muscatine County Highway Department	County	41722		Hydraulic crawler, 1–2 cy	1		1			0		1		95		0
145 Muscatine County Highway Department	County	41722		Drum Roller 40-67"	1		1			0		1		100		0
145 Muscatine County Highway Department	County	41722		Rubber Tire Roller 7 wheel	1		1			0		1		100		0
145 Muscatine County Highway Department	County	41722		Sheep's Foot Roller 67"+	1		1			0		1		95	5	0
145 Muscatine County Highway Department 145 Muscatine County Highway Department	County County	41722 41722		Wheel Loader 2 cy + Mowing Tractor 45-65 HP	2	2				0		2		100	0	0
145 Muscatine County Highway Department	County	41722		Mowing Tractor 65+ HP	1					0		1		100		0
145 Muscatine County Highway Department	County	41722		Tractor Loader-Backhoe	1		1			0		1		100		0
145 Muscatine County Highway Department	County	41722		Dozer, 150 HP or less	1		1			0		1		100		0
145 Muscatine County Highway Department	County	41722	49	Motor grader, >135 HP	8		8			0		8		99	1	0
145 Muscatine County Highway Department	County	41722		Brush Chipper	1	1				0		1		100		0
145 Muscatine County Highway Department	County	41722		Sprayer, Weed	1	1				0	+ +	1		100		0
145 Muscatine County Highway Department	County	41722		Trailer, Low Bed 15 Ton	1		1			0	+	1		100 95		0
145 Muscatine County Highway Department 145 Muscatine County Highway Department	County	41722 41722		Trailer, Low Bed Semi Washer, Hi-Power Water	1		1			0	+ +	1		100		0
224 Cerro Gordo County	County	46447		Damaged Disk							1 1			100		<u> </u>
74 Clinton County Secondary Roads Dept.	County	50149		Single Axle, Dump Body	12	12				0		12		75		0
74 Clinton County Secondary Roads Dept.	County	50149		Single axle, flatbed	1	1				0	+ $-$	1	100	100		0
74 Clinton County Secondary Roads Dept.	County	50149		Single axle, van body	1	1				0		1		0		0
74 Clinton County Secondary Roads Dept.	County	50149		Tandem axle, dump body	6	6				0		6		75		0
74 Clinton County Secondary Roads Dept. 74 Clinton County Secondary Roads Dept.	County County	50149 50149		Bridge Inspection Unit Water Truck	1					0		1	100 25	50 100		0
74 Clinton County Secondary Roads Dept. 74 Clinton County Secondary Roads Dept.	County	50149		Semi-Tractor	1	1				0		1	20	29		0
74 Clinton County Secondary Roads Dept.	County	50149		Hydraulic wheeled, < 1 cy	4	4				0			81.25	69		0
74 Clinton County Secondary Roads Dept.	County	50149	23	Drum Roller 40–67"	1		1			0		1	75	50	50	0
74 Clinton County Secondary Roads Dept.	County	50149	26	Rubber Tire Roller 9 wheel	1		1			0		1		50		0
74 Clinton County Secondary Roads Dept.	County	50149		Sheep's Foot Roller 67"+	1	_	1			0		1		0		0
74 Clinton County Secondary Roads Dept.	County	50149	32	Wheel Loader 2 cy or less	7	7				0		7		100	0	0
74 Clinton County Secondary Roads Dept. 74 Clinton County Secondary Roads Dept.	County County	50149 50149		Mowing Tractor 65+ HP Sweeper, 3 Wheel Mechanical	3	3				0		3	75 25	100 100		0
74 Clinton County Secondary Roads Dept. 74 Clinton County Secondary Roads Dept.	County	50149	43	Dozer, 150 HP or less	1	1				0		1		20		0
74 Clinton County Secondary Roads Dept.	County	50149		Dozer, 150-300 HP	1	1				0		1		14		0
74 Clinton County Secondary Roads Dept.	County	50149	47	Dragline, > 1/2 cy	2					0		2		25	75	0
74 Clinton County Secondary Roads Dept.	County	50149	49	Motor grader, >135 HP	14	14				0		14		10		0
74 Clinton County Secondary Roads Dept.	County	50149		Skid Steer Loader, Wheel or Track	1		1			0		1	75	95		0
74 Clinton County Secondary Roads Dept. 74 Clinton County Secondary Roads Dept.	County County	50149 50149	104	Brush Chipper Compressor, Air 125-200	2	2	1			0		2	75	100 10		0
74 Clinton County Secondary Roads Dept. 74 Clinton County Secondary Roads Dept.	County	50149		Snow Blower, Attachment	2		2			0		2	25	100		0
74 Clinton County Secondary Roads Dept.	County	50149		Trailer, Low Bed 15 Ton	2		2			0		2		50	-	0
74 Clinton County Secondary Roads Dept.	County	50149	144	Trailer, Low Bed Semi	1		1			0		1	75	33	67	0
74 Clinton County Secondary Roads Dept.	County	50149		Washer, Hi-Power Water	1		1			0	+	1	100	100		0
9 Story County	County	79981		Single Axle, Dump Body	12					0	+ +	12		90		0
9 Story County 9 Story County	County	79981 79981		Single axle, flatbed Tandem axle, dump body	1	1				0	+ +	1		<u>100</u> 90		0
9 Story County	County	79981		Semi-Tractor	4	4				0	+ +	4		100		0
9 Story County	County	79981		Hydraulic wheeled, 1–2 cy	2	2				2 2		4		90		0
9 Story County	County	79981	26	Rubber Tire Roller 9 wheel	1				1	0		1		100	0	0
9 Story County	County	79981	28	Sheep's Foot Roller 67"+	2					0	+	2		90		0
9 Story County	County	79981 79981		Wheel Loader 2 cy or less	1	1				0	+	1		100		0
9 Story County 9 Story County	County County	79981	33	Wheel Loader 2 cy + Mowing Tractor 65+ HP	2	2	+	2		0	+ +	2		100	-	0
9 Story County	County	79981		Tractor Loader-Backhoe	1	1		2		0	1 1	1		100		0
9 Story County	County	79981	43	Dozer, 150 HP or less	1				1	0		1		90	10	0
9 Story County	County	79981	49	Motor grader, >135 HP	15	15				0		15		95	5	0
9 Story County	County	79981	51	Scraper, Rubber Tire Elevating <15 cy	1		ĻЦ			0	+	1		95		0
9 Story County	County	79981		Broom, Attachment	1	1				0	+ +	1		100		0
9 Story County 9 Story County	County County	79981 79981	104	Brush Chipper Compressor, Air 125-200	1	1				0	+ +	1		100 100		0
9 Story County	County	79981	113	Grapple Attachment, Loader	1	1				0	+ +	1		100		0
9 Story County	County	79981		Shouldering Machine	1					0		1		100	Ő	0
9 Story County	County	79981	141	Trailer, Belly Dump	1	1				0		1		100		0
9 Story County	County	79981	143	Trailer, Low Bed 15 Ton	1	1		_		0		1		100	0	0
198 Pottawattamie County	County	87704		Single Axle, Dump Body	12	12				0	+	12		90		0
198 Pottawattamie County	County	87704		Single axle, flatbed	3	3				0	+	3		100		0
198 Pottawattamie County 198 Pottawattamie County	County County	87704 87704		Single axle, van body Tandem axle, dump body	7	1				0	+ +	7		95 95		0
	County	87704		Water Truck	1	1				0	1 1	1		95		0
198 Pottawattamie County	County											+				
198 Pottawattamie County 198 Pottawattamie County	County	87704		Semi-Tractor	3	3				0		3		100	0	0

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ID	Entity	Туре	Pop.	Equip. Line	Type of Equipment		10-20-00-00-00-00-00-00-00-00-00-00-00-00	10 MI	9 ⁴ 9 ⁴ 1 ⁴ 1 ⁴ 1 ⁴ 1 ⁴ 1 ⁴ 1 ⁴ 1 ⁴ 1	
198		County	87704	17	Hydraulic crawler, 1–2 cy				2 90 10 0	
		County	87704		Rubber Tire Roller 9 wheel	2 2	0		2 90 10 0	
198		County	87704		Sheep's Foot Roller 67"+	2 2	0		2 90 10 0	
198	Pottawattamie County	County	87704	30	Loader Crawler 80 HP or less	1 1	0		1 100 0 0	
		County	87704		Wheel Loader 2 cy +	5 5	0		5 100 0 0	
		County	87704		Mowing Tractor 65+ HP	8 8	0		8 100 0 0	
		County	87704		Tractor Loader-Backhoe	2 2	0		1 90 10 0	
		County	87704		Dozer, 150 HP or less	2 2	0		2 85 15 0 1 95 5 0	
		County	87704		Dragline, 1/2 cy or less		0			
		County County	87704 87704		Motor grader, >135 HP Skid Steer Loader, Wheel or Track	20 20	0		20 100 0 0 1 100 0 0	
		County	87704		Brush Chipper	2 2	0		2 100 0 0	
		County	87704		Compressor, Air 125-200	3 3	0		3 100 0 0	
		County	87704		Conveyor, Salt	1 1	0		1 100 0 0	
		County	87704	130	Saw, Concrete	1 1	0		1 100 0 0	
		County	87704		Shouldering Machine	4 4	0		4 100 0 0	
198	Pottawattamie County	County	87704	136	Snow Blower, Attachment	1 1	0		1 100 0 0	
		County	87704		Sprayer, Weed	2 2	0		2 100 0 0	
		County	87704		Trailer, Belly Dump	2 2	0	 	2 100 0 0	
198		County County	87704	144	Trailer, Low Bed Semi	9 7 2			1 100 0 0 9 83 17 0	
		County	89143 89143		Single Axle, Dump Body Single axle, flatbed		0		9 83 17 0 10 93 7 0	
		County	89143		Tandem axle, dump body		0			
		County	89143		Tandem axle, flatbed	1 1	0		1 100 0 0	
34	Dubuque County	County	89143	9	Platform Boom (High-Reach)	1 1	0		1 100 0 0	
		County	89143		Truck-Mounted Bitumen Distrubutor	2 2	0		2 60 40 0	
34	Dubuque County	County	89143	11	Water Truck	2 1 1	0		2 100 0 0	
34		County	89143	12	Semi-Tractor	2 2	0		2 90 10 0	
34	Dubuque County	County	89143	14	Hydraulic wheeled, 1–2 cy	2 2	0		2 100 0 0	
		County	89143		Asphalt, Main Screed > 10 ft.		0		1 60 40 0	
		County	89143		Drum Roller 40–67"		0		1 60 40 0 2 60 40 0	
34		County County	89143 89143		Drum Roller 67+" Rubber Tire Roller 9 wheel		0		2 60 40 0 1 60 40 0	
		County	89143	20	Loader Crawler 80 HP or less		0		1 100 0 0	
		County	89143		Wheel Loader 2 cy +	2 2	0		2 100 0 0	
		County	89143		Mowing Tractor 65+ HP	5 4 1	0		5 100 0 0	
34	Dubuque County	County	89143	37	Tractor Loader-Backhoe	4 4	0		4 75 25 0	
34	Dubuque County	County	89143	38	Tractor Loader-Box Blade	1 1	0		1 100 0 0	
34	Dubuque County	County	89143	42	Cranes	1 1	0		1 60 40 0	
		County	89143	43	Dozer, 150 HP or less	2 2	0		2 75 25 0	
		County	89143	44	Dozer, 150-300 HP	2 2	0		2 75 25 0	
		County	89143 89143	49	Motor grader, >135 HP		0		1 92 8 0 1 100 0 0	
		County County	89143		Self-Propelled Chip Spreader Brush Chipper		0		1 100 0 0 1 100 0 0	
		County	89143	104	Compressor, Air 125-200		0		2 100 0 0	
	Dubuque County Dubuque County	County	89143		Distributor Bitumen, Slip-in or Trailer		0		1 60 40 0	
		County	89143		Drill, Vertical		0		1 100 0 0	
		County	89143		Driver, Pile or Pipe	1 1	0		1 50 50 0	
		County	89143	114	Heater, Pre-Mix	1 1	0		1 100 0 0	
34	Dubuque County	County	89143	117	Machine, Asphalt Patcher	1 1	0		1 100 0 0	
34	Dubuque County	County	89143	125	Mixer, Bitumen Recycler	1 1	0		1 100 0 0	
34		County	89143	130	Saw, Concrete	2 2	0		2 100 0 0	
		County	89143		Shouldering Machine		0	 	1 100 0 0	
		County	89143 89143		Snow Blower, Attachment	2 2	0		2 100 0 0 3 100 0 0	
34		County County	89143		Sweeper Attachment Trailer, Low Bed 15 Ton		0		1 100 0 0	
34		County	89143		Trailer, Low Bed 15 Ton Trailer, Low Bed Semi		0		2 100 0 0	
34		County	89143		Washer, Hi-Power Water		0		2 100 0 0	
34	Dubuque County	County	89143		Scraper < 15 cy		0		1 60 40 0	
34		County	89143	150	Welder Gas Driven	5 2 3	0		5 90 10 0	
116	Henry County	County	103877	1	Single Axle, Dump Body	6 6	0		6 90 10 0	
116	Henry County	County	103877	2	Single axle, flatbed	2 2	0		2 80 20 0	
116	Henry County	County	103877	4	Tandem axle, dump body	2 2	0		2 90 10 0	
116		County	103877		Truck-Mounted Bitumen Distrubutor		0		1 100 0 0	
		County	103877		Semi-Tractor		0	 	1 90 10 0	
116		County	103877		Hydraulic wheeled, 1–2 cy		0		1 100 0 0	
		County	103877	18	Hydraulic crawler, 2+ cy				1 90 10 0 1 10 90 0	
116	Henry County		103977							
116 116	Henry County	County	103877		Drum Roller 40–67" Wheel Loader 2 cv or less		0			
116 116 116	Henry County Henry County		103877 103877 103877	32	Drum Roller 40–67" Wheel Loader 2 cy or less Wheel Loader 2 cy +		0		1 10 90 0 1 100 0 0 1 90 10 0	

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ID Entity	Туре	Pop.	Line	Type of Equipment	And the state of t	51 1960 00000 100000000000000000000000000	ANT TEAL TO THE TRANSPORT	ente 1988 - 1988	Steller Steller
116 Henry County	County	103877		Tractor Loader-Backhoe			-		
116 Henry County	County	103877		Tractor Loader-Box Blade		0		1 90 10	
116 Henry County	County	103877		Dozer, 150 HP or less	3 3	0		3 70 30	
116 Henry County	County	103877		Dragline, 1/2 cy or less				1 50 50	
116 Henry County	County	103877		Motor grader, >135 HP	9 9	0		9 90 10	
116 Henry County	County	103877		Broom, Attachment		0		1 100 0	
116 Henry County	County	103877		Brush Chipper		0		1 100 0	0
116 Henry County	County	103877		Compressor, Air 125-200	2 2	0		2 90 10	
116 Henry County	County	103877	105	Compressor, Air 200+		0		1 100 0	0
116 Henry County	County	103877		Marker, Centerline Paint		0		1 90 10	
116 Henry County	County	103877		Rock Crusher		0			
116 Henry County						0		1 100 0	0
116 Henry County	County	103877 103877		Trailer, Belly Dump Trailer, Low Bed 15 Ton		0		1 90 10 1 90 10	
116 Henry County	County								
116 Henry County	County	103877		Washer, Hi-Power Water		0		1 100 0 9 100 100 0	0
141 Woodbury County Highway Department	County			Single Axle, Dump Body	5 5	0			0
141 Woodbury County Highway Department	County	103877 103877		Single axle, flatbed	8 8	0		5 100 100 0 8 100 100 0	
141 Woodbury County Highway Department	County			Tandem axle, dump body				0 100 0	0
141 Woodbury County Highway Department	County	103877 103877		Platform Boom (High-Reach) Semi-Tractor		0		1 100 100 0	0
141 Woodbury County Highway Department					1 1	0			
141 Woodbury County Highway Department	County	103877 103877		Hydraulic wheeled, 1–2 cy Hydraulic crawler, 1–2 cy		0		1 100 75 25 1 100 25 75	
141 Woodbury County Highway Department	County								
141 Woodbury County Highway Department	County	103877 103877		Wheel Loader 2 cy + Tractor Loader-Backhoe	8 8	0		8 100 100 0 4 100 100 0	0
141 Woodbury County Highway Department						0			
141 Woodbury County Highway Department	County County	103877 103877		Tractor Loader-Box Blade Dozer, 150 HP or less	2 2	0		1 100 100 0 2 100 75 25	
141 Woodbury County Highway Department 141 Woodbury County Highway Department	County	103877		Dozel, 150 HP of less Dragline, 1/2 cy or less		0		1 100 100 0	
141 Woodbury County Highway Department	County	103877		Motor grader, >135 HP	21 21	0		21 100 95 5	0
141 Woodbury County Highway Department	County	103877		Scraper, Rubber Tire Elevating <15 cy	2 2	0		2 100 75 25	0
141 Woodbury County Highway Department	County	103877		Brush Chipper		0		1 100 100 0	
141 Woodbury County Highway Department	County	103877		Compressor, Air 200+	8 8	0		8 100 100 0	
141 Woodbury County Highway Department	County	103877		Machine, Asphalt Patcher		0		1 100 100 0	0
141 Woodbury County Highway Department	County	103877		Seeder		0		1 100 100 0	
141 Woodbury County Highway Department	County	103877		Shouldering Machine		0		1 100 100 0	
141 Woodbury County Highway Department	County	103877		Trailer, Low Bed Semi		0		1 100 75 25	
141 Woodbury County Highway Department	County	103877		Washer, Hi-Power Water	6 6	0		6 100 100 0	0
141 Woodbury County Highway Department	County	103877		Lab Trailer (Inspection Lab)	1 1	0		1 50 100 0	
6 Johnson County Secondary Roads	County	111006		Single Axle, Dump Body	14 14	0		14 100 100 0	
6 Johnson County Secondary Roads	County	111006		Tandem axle, dump body	16 16	0		16 100 100 0	
6 Johnson County Secondary Roads	County	111006		Platform Boom (High-Reach)	1 1	0		1 100 100 0	
6 Johnson County Secondary Roads	County	111006		Semi-Tractor	1 1	0		1 100 100 0	
6 Johnson County Secondary Roads	County	111006		Hydraulic wheeled, 1-2 cy	1 1	0		1 100 100 0	
6 Johnson County Secondary Roads	County	111006		Hydraulic crawler, 1–2 cy	2 2	0		2 100 100 0	
6 Johnson County Secondary Roads	County	111006	18	Hydraulic crawler, 2+ cy	1 1	0		1 100 100 0	0
6 Johnson County Secondary Roads	County	111006		Drum Roller 40–67"	2 1 1	0		2 100 100 0	
6 Johnson County Secondary Roads	County	111006	33	Wheel Loader 2 cy +	3 2 1	0		3 100 100 0	0
6 Johnson County Secondary Roads	County	111006		Mowing Tractor 65+ HP	6 6	0		6 100 92 8	0
6 Johnson County Secondary Roads	County	111006	37	Tractor Loader-Backhoe	1 1	0		1 100 100 0	0
6 Johnson County Secondary Roads	County	111006		Dozer, 150 HP or less	2 2	0		2 100 100 0	
6 Johnson County Secondary Roads	County	111006		Motor grader, >135 HP	8 8	0		8 100 100 0	
6 Johnson County Secondary Roads	County	111006	53	Skid Steer Loader, Wheel or Track	2 2	0		2 100 100 0	0
6 Johnson County Secondary Roads	County	111006		Breaker Pavement, Attachment	1 1	0		1 100 100 0	0
6 Johnson County Secondary Roads	County	111006		Broom, Attachment	2 1 1	0		2 100 100 0	
6 Johnson County Secondary Roads	County	111006	104	Brush Chipper	1 1	0		1 100 100 0	
6 Johnson County Secondary Roads	County	111006		Compressor, Air 125-200	1 1	0		1 100 100 0	0
6 Johnson County Secondary Roads	County	111006	110	Drill, Vertical	1 1	0		1 100 100 0	0
6 Johnson County Secondary Roads	County	111006	112	Filler, Crack	1 1	0		1 50 100 0	0
6 Johnson County Secondary Roads	County	111006		Hydro-Seeder	1 1	0		1 75 67 33	0
6 Johnson County Secondary Roads	County	111006		Kettle, Bitumen Heater	1 1	0		1 100 100 0	0
6 Johnson County Secondary Roads	County	111006	129	Roller, Attachment	1 1	0		1 75 100 0	0
6 Johnson County Secondary Roads	County	111006		Seeder	1 1	0		1 75 67 33	0
6 Johnson County Secondary Roads	County	111006	136	Snow Blower, Attachment	5 5	0		5 25 100 0	0
6 Johnson County Secondary Roads	County	111006		Sprayer, Weed	1 1	0		1 100 100 0	0
6 Johnson County Secondary Roads	County	111006		Trailer, Low Bed 15 Ton	1 1	0		1 100 100 0	0
6 Johnson County Secondary Roads	County	111006		Trailer, Low Bed Semi	1 1	0		1 100 100 0	0
6 Johnson County Secondary Roads	County	111006	158	Trailer 20 ton	1 1	0		1 0 100 0	0
6 Johnson County Secondary Roads	County	111006		Trailer 25 ton	1 1	0		1 0 100 0	0
6 Johnson County Secondary Roads	County	111006	160	Trailer Rock Pup	3 3	3 0		3 50 100 0	0
6 Johnson County Secondary Roads	County	111006		Trailer Tanker 2400 Gal.	1 1	0		1 25 100 0	0
				Single Axle, Dump Body	12 12	0		12 83 17	
110 Black Hawk County	County	128012			12 12	0			
110 Black Hawk County 110 Black Hawk County	County	128012	4	Tandem axle, dump body	5 5	0		5 80 20	

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ID	Entity	Туре	Pop.	Equip. Line Type of Equipment		
	Black Hawk County	County	128012	11 Water Truck		
	Black Hawk County	County	128012	15 Hydraulic wheeled, 2+ cy		
	Black Hawk County Black Hawk County	County County	128012 128012	18 Hydraulic crawler, 2+ cy 23 Drum Roller 40–67"	1 0 1 0 0 1 1 0 0 1 100 0	
	Black Hawk County	County	128012	26 Rubber Tire Roller 9 wheel		
	Black Hawk County Black Hawk County	County	128012 128012	27 Sheep's Foot Roller 40-67" 29 Integrated Tool Carrier		
	Black Hawk County	County	128012	30 Loader Crawler 80 HP or less		
110	Black Hawk County	County	128012	34 Mowing Tractor <45 HP	7 7 0 0 7 100 0 0	
	Black Hawk County Black Hawk County	County	128012 128012	35 Mowing Tractor 45-65 HP 37 Tractor Loader-Backhoe	3 3 0 3 100 0 0 2 2 0 2 100 0 <td></td>	
110	Black Hawk County	County	128012	42 Cranes	1 1 0 1 0 10 0	
	Black Hawk County	County	128012	44 Dozer, 150-300 HP		
	Black Hawk County Black Hawk County	County	128012 128012	48 Motor grader, 135 HP or less 50 Self-Propelled Chip Spreader	12 12 10 0 12 100 0 1 1 0 1 100 0 0	
110	Black Hawk County	County	128012	65 Pickups	15 13 2 0 15 73 27 0	
	Black Hawk County Black Hawk County	County County	128012 128012	68 Sign Maintenance Truck 76 Shop Service Truck w/ Crane	1 1 100 0 0 1 1 0 1 100 0 0	
110	Black Hawk County	County	128012	85 Brush Mower		
	Black Hawk County	County	128012	86 SUV		
	Black Hawk County Black Hawk County	County County	128012 128012	87 Suburban 102 Breaker Pavement, Attachment	1 0 1 0 100 0 1 1 0 0 1 100 0 0	
110	Black Hawk County	County	128012	103 Broom, Attachment		
110	Black Hawk County	County	128012	104 Brush Chipper 105 Compressor, Air 125-200		
	Black Hawk County Black Hawk County	County County	128012 128012	105 Compressor, Air 125-200 111 Driver, Pile or Pipe	0 2 2 2 100 0 0 1 1 0 0 1 0 100 0	
	Black Hawk County	County	128012	112 Filler, Crack		
	Black Hawk County Black Hawk County	County	128012 128012	115 Hydro-Seeder 130 Saw, Concrete	1 0 1 30 30 0 1 1 0 1 0	
110	Black Hawk County	County	128012	136 Snow Blower, Attachment	1 1 0 1 100 0 0	
	Black Hawk County Black Hawk County	County	128012 128012	138 Sprayer, Weed 144 Trailer, Low Bed Semi		
	Black Hawk County	County County	128012	172 Signal Lights w/ Trailer		
110	Black Hawk County	County	128012	173 Welder/Generator	1 1 0 0 10 0	
	Black Hawk County Black Hawk County	County County	128012 128012	174 Mixer 175 Gang Mower		
110	Black Hawk County	County	128012	176 Rock Retreiver	2 2 100 0	
23	Scott County Scott County	County County	158668 158668	1 Single Axle, Dump Body 3 Single axle, van body	14 14 0 14 98 2 0 1 1 0 1 100 0 </td <td></td>	
	Scott County	County	158668	4 Tandem axle, dump body		
23	Scott County	County	158668	12 Semi-Tractor	1 1 0 1 98 2 0	
	Scott County Scott County	County County	158668 158668	13 Hydraulic wheeled, < 1 cy 14 Hydraulic wheeled, 1–2 cy	2 2 0 2 100 0 0 1 1 0 1 98 2 0	
23	Scott County	County	158668	17 Hydraulic crawler, 1–2 cy	1 1 0 1 95 5 0	
23	Scott County	County	158668 158668	23 Drum Roller 40–67" 25 Rubber Tire Roller 7 wheel		
	Scott County Scott County	County County	158668	25 Rubber Tire Roller 7 wheel 27 Sheep's Foot Roller 40-67"	1 1 0 1 98 2 0	
23	Scott County	County	158668	33 Wheel Loader 2 cy +	2 2 2 2 4 100 0 0	
	Scott County Scott County	County	158668 158668	36 Mowing Tractor 65+ HP 37 Tractor Loader-Backhoe	2 2 0 2 100 0 1 1 0 1 98 2 0	
23	Scott County	County	158668	38 Tractor Loader-Box Blade		
23	Scott County	County	158668	43 Dozer, 150 HP or less		
23	Scott County Scott County	County	158668 158668	44 Dozer, 150-300 HP 47 Dragline, > 1/2 cy	1 0 1 85 15 0 1 1 0 1 100 0 0	
23	Scott County	County	158668	49 Motor grader, >135 HP	10 10 0 10 99 1 0	
23	Scott County Scott County	County County	158668 158668	52 Scraper, Rubber Tire Elevating >15 cy 103 Broom, Attachment	2 2 0 2 80 20 0 1 1 0 1 100 0 <td></td>	
23	Scott County	County	158668	104 Brush Chipper	1 1 0 0 1 100 0 0	
23	Scott County	County	158668	105 Compressor, Air 125-200		
23	Scott County Scott County	County County	158668 158668	106 Compressor, Air 200+ 111 Driver, Pile or Pipe	1 0 1 80 20 0 1 0 1 5 95 0	
23	Scott County	County	158668	112 Filler, Crack	1 1 1 0 0 0	
	Scott County Scott County	County	158668 158668	116 Kettle, Bitumen Heater 130 Saw, Concrete	1 1 100 0	
23	Scott County	County County	158668	131 Seeder		
23	Scott County	County	158668	132 Sewer Jet	1 1 1 0 0 0 0	
23	Scott County Scott County	County	158668 158668	134 Shouldering Machine 138 Sprayer, Weed	2 2 100 2 100 0 1 1 0 1 100 0 0	
23	Scott County	County	158668	143 Trailer, Low Bed 15 Ton	1 1 0 0 1 95 5 0	
	Scott County	County	158668	144 Trailer, Low Bed Semi		
23	Scott County	County	158668	146 Washer, Hi-Power Water		

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						a Bid at Purchase of		anero panero la	Porte Lassed	5 ¹⁰ (298) 010 110 10 10 10 10 10 10 10 10 10 10 1	
ID	Entity	Туре	Equip. Pop. Line	Type of Equipment	#Owned #For	/*0/*e*_/*	2 ¹¹ × ⁶⁰ * ¹⁰ * ¹⁰	1° 101 1° 20	10101 010	55 0/0 M/0 0/0 CO. Oth	
	7 Linn County Secondary Road Department	County		Single Axle, Dump Body	27 27		0		21	30 0 0)
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County County		Tandem axle, dump body Tandem axle, flatbed	9 9		0		9	90 10 0 90 10 0	
11	7 Linn County Secondary Road Department	County		Platform Boom (High-Reach)	1 1		0		1	100 0 0	
11	7 Linn County Secondary Road Department	County		Truck-Mounted Bitumen Distrubutor	1 1		0		1	70 30 0	
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County County		Semi-Tractor Hydraulic wheeled, 1–2 cy	4 4		0		1	90 10 0 70 30 0	
11	7 Linn County Secondary Road Department	County	191701 24	Drum Roller 67+"	3 3		0		3	95 5 0	
11	7 Linn County Secondary Road Department	County	191701 26	Rubber Tire Roller 9 wheel	1 1		0		1	70 30 0	2
11	7 Linn County Secondary Road Department	County County	191701 28	Sheep's Foot Roller 67"+ Wheel Loader 2 cv +	1 1		0	├──	1	90 10 0	
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County		Mowing Tractor <45 HP	1 1		0		1	100 0 0	
11	7 Linn County Secondary Road Department	County	191701 35	Mowing Tractor 45-65 HP	5 5		Ő		5	100 0 0)
11	7 Linn County Secondary Road Department	County		Mowing Tractor 65+ HP	8 8		0		8	100 0 0	
11	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County County		Tractor Loader-Backhoe Cranes	2 1		1 0		2	70 30 0 70 30 0	
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County	191701 42	Dozer, 150 HP or less	3 3		0		3	90 10 0	
11	7 Linn County Secondary Road Department	County	191701 49	Motor grader, >135 HP	17 17		0		17	90 10 0	
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County County		Self-Propelled Chip Spreader Scraper, Rubber Tire Elevating <15 cy	1 1		2 0	<u>├</u>	1	70 30 0 50 50 0	
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County		Skid Steer Loader, Wheel or Track	4 2		2 0		4	100 0 0	2
11	7 Linn County Secondary Road Department	County	191701 61	Sign Truck	1 1		0		1	100 0 0)
	7 Linn County Secondary Road Department	County		Pickups	26 26		0	├──	26	95 5 0 90 10 0	2
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County County		Fuel Truck SUV	2 1		1 0		2	90 10 0 95 5 0	
11	7 Linn County Secondary Road Department	County	191701 90	Spray Truck	1 1		0		1	100 0 0	2
11	7 Linn County Secondary Road Department	County	191701 91	4x4 Single Axle	5 5		0	+ $+$ $-$	5	100 0 0	2
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County County		Carry All Car	3 3	2	0	+	3	50 50 0 70 30 0	1
11	7 Linn County Secondary Road Department	County	191701 103	Broom, Attachment	2 2		0		2	100 0 0	2
11	7 Linn County Secondary Road Department	County	191701 104	Brush Chipper	2 2		0		2	100 0 0	<u>)</u>
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County County		Compressor, Air 125-200 Driver, Pile or Pipe	1 1	_	0		1	100 0 0 70 30 0	
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County		Filler, Crack	2 2		0		2	100 0 0	
11	7 Linn County Secondary Road Department	County	191701 113	Grapple Attachment, Loader	2 2		0		2	90 10 ()
11	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County County		Hydro-Seeder Marker, Centerline Paint	4 4		0		4	95 5 0 100 0 0	2
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County		Milling Head	1 1		0		1	100 0 0	2
11	7 Linn County Secondary Road Department	County	191701 130	Saw, Concrete	1 1		0		1	100 0 0)
	7 Linn County Secondary Road Department	County		Seeder	1 1		0		1	100 0 0	
	7 Linn County Secondary Road Department 7 Linn County Secondary Road Department	County County		Snow Blower, Attachment Sprayer, Weed	1 1		0		1	100 0 0 100 0 0	
11	7 Linn County Secondary Road Department	County	191701 143	Trailer, Low Bed 15 Ton	7 7		0		7	95 5 0)
	7 Linn County Secondary Road Department	County		Trailer, Low Bed Semi	1 1		0	$\left \right $	1		
	7 Linn County Secondary Road Department 3 Iowa Department of Transportation	County Other		Washer, Hi-Power Water Single Axle, Dump Body	478 373	105	0		478 10		
22	3 Iowa Department of Transportation	Other	2	Single axle, flatbed	25 21	4	0		25 10	0 100 0 0)
	3 Iowa Department of Transportation	Other		Single axle, van body	14 14	400	0	+ $+$ $-$	14 10		
	3 Iowa Department of Transportation 3 Iowa Department of Transportation	Other Other		Tandem axle, dump body Tandem axle, flatbed	535 375	160	0		535 10 6 10		
	3 Iowa Department of Transportation	Other		Bridge Inspection Unit	4 4		0		4 10	0 100 0 0	
	3 Iowa Department of Transportation	Other		Fully Equipped Paint Truck	12 9	3	0		12 7		
	3 Iowa Department of Transportation 3 Iowa Department of Transportation	Other Other		Platform Boom (High-Reach) Semi-Tractor	14 12 19 10	2	5 0		14 10 19 10		
	3 Iowa Department of Transportation	Other		Hydraulic wheeled, < 1 cy	9 8	1	0		9 7		
22	3 Iowa Department of Transportation	Other	16	Hydraulic crawler, <1 cy	3 2	1	0		3 7	5 100 0 0	
	3 Iowa Department of Transportation	Other Other		Asphalt, Main Screed > 10 ft. Drum Roller 40–67"	2 2 2 20 20		1	1	3 7 21 7		
	3 Iowa Department of Transportation 3 Iowa Department of Transportation	Other	24	Drum Roller 67+"	20 20			1	21 7		
22	3 Iowa Department of Transportation	Other	26	Rubber Tire Roller 9 wheel	5 5		0		5 7	5 100 0 0	0
22	3 Iowa Department of Transportation	Other	30	Loader Crawler 80 HP or less	14 14		0		14 7		
	3 Iowa Department of Transportation 3 Iowa Department of Transportation	Other Other		Wheel Loader 2 cy or less Wheel Loader 2 cy +	148 148		0	+	148 10 3 10		
	3 Iowa Department of Transportation	Other		Mowing Tractor <45 HP	67 67		0		67 7		
22	3 Iowa Department of Transportation	Other	36	Mowing Tractor 65+ HP	183 162	21	39	39	222 85.2	5 100 0 0	
	3 lowa Department of Transportation 3 lowa Department of Transportation	Other Other	37	Tractor Loader-Backhoe Sweeper, 4 Wheel Mechanical	21 21 5 5		0	├──	21 84.1 5 7		
	3 Iowa Department of Transportation 3 Iowa Department of Transportation	Other		Dragline, 1/2 cy or less	2 2		0		2 10		
00	3 Iowa Department of Transportation	Other	48	Motor grader, 135 HP or less	59 59		0		59 10	0 100 0 0)
	3 Iowa Department of Transportation	Other		Skid Steer Loader, Wheel or Track	16 16				16 10	0 100 0 0	

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ID Entity	Туре	Pop.	Equip. Line	Type of Equipment	*Owned *Formals	10 + CIABING CO	C LIFE CHIEF	5 6 1 1 10 1 10 10 10 10 10 10 10 10 10 10	5 ¹⁰ 5 ¹¹ 25 ¹⁰ 5 ¹¹ 25 ¹⁰ 10 ¹⁰	5 ²¹ 0 ¹¹ 0 ¹¹ 0 ¹² 0	· /
223 Iowa Department of Transportation	Other	1 00.		Breaker Pavement, Attachment	30 30	~ / ~ .			30	83.33 100 0 0	าโ
223 Iowa Department of Transportation	Other			Broom, Attachment	85 83	2	0			77.94 100 0 0	
223 Iowa Department of Transportation	Other			Brush Chipper	15 15		0		15)
223 Iowa Department of Transportation	Other		105	Compressor, Air 125-200	114 110	4	0		114	85.96 100 0 0)
223 Iowa Department of Transportation	Other		106	Compressor, Air 200+	10 10		0		10	87.5 100 0 0)
223 Iowa Department of Transportation	Other		107	Conveyor, Salt	6 3	3	0		6)
223 Iowa Department of Transportation	Other			Distributor Bitumen, Slip-in or Trailer	54 54		0		54)
223 Iowa Department of Transportation	Other		110	Drill, Vertical	99		0		9		0
223 Iowa Department of Transportation	Other			Driver, Pile or Pipe			0		2	75 100 0 0	
223 Iowa Department of Transportation 223 Iowa Department of Transportation	Other Other		112	Filler, Crack Grapple Attachment, Loader	15 15 2 2		0	+ + +	15	86.67 100 0 0 100 100 0 0	
223 Iowa Department of Transportation 223 Iowa Department of Transportation	Other	1	113	Heater, Pre-Mix	50 46	4	0		50		i i i i i i i i i i i i i i i i i i i
223 Iowa Department of Transportation	Other			Hydro-Seeder	1 1		0		1	75 100 0 0	วี
223 Iowa Department of Transportation	Other			Kettle, Bitumen Heater	59 59		0		59	87.71 100 0 0	7
223 Iowa Department of Transportation	Other			Machine, Asphalt Patcher	16 15	1	0		16)
223 Iowa Department of Transportation	Other			Machine, Gunite	1 1		0		1	75 100 0 0	1
223 Iowa Department of Transportation	Other			Machine, Profiler	1 1		0		1	75 99 1 0	2
223 Iowa Department of Transportation	Other	L		Machine, Road Rating	3 3		0		3	10 00 00 0	2
223 Iowa Department of Transportation	Other			Machine, Slurry	2 2		0	+ + +	2	75 100 0 0	2
223 Iowa Department of Transportation	Other			Marker, Centerline Paint	1 1		0		1	10 100 0 0	0
223 Iowa Department of Transportation	Other			Miller, Asphalt Spreader			0		1	75 100 0 0 81.25 100 0 0	
223 Iowa Department of Transportation 223 Iowa Department of Transportation	Other Other		124	Milling Head Mixer, Bitumen Recycler	16 16	1	0		16	81.25 100 0 0 75 100 0 0	2
223 Iowa Department of Transportation	Other			Pump, Asphalt	1 1		0		1		2
223 Iowa Department of Transportation	Other		120	Pump, Mud Paddle/Colloidal	15 15		0		15)
223 Iowa Department of Transportation	Other			Roller, Attachment	72 72		0			78.47 100 0 0)
223 Iowa Department of Transportation	Other			Saw, Concrete	15 15		0		15)
223 Iowa Department of Transportation	Other		135	Signal, Speed Sensing Trailer Mtd.	6 4	2	0		6	100 100 0 0)
223 Iowa Department of Transportation	Other		136	Snow Blower, Attachment	35 32	3	0		35)
223 Iowa Department of Transportation	Other			Spade, Tree	1 1		0		1	10 100 0 0)
223 Iowa Department of Transportation	Other			Sprayer, Weed	87 87		0		87)
223 Iowa Department of Transportation	Other			Sweeper Attachment	3 3		0		3	10 100 0 0	0
223 Iowa Department of Transportation	Other Other			Tiller, Power Rake	1	1	0		1	75 100 0 0 25 100 0 0	
223 Iowa Department of Transportation 223 Iowa Department of Transportation	Other			Trailer, Belly Dump Trailer, Low Bed 15 Ton	0 166 162	4	0	1	166		2
223 Iowa Department of Transportation	Other			Trailer, Low Bed Semi	17 16	1	0		100	100 100 0 0	2
223 Iowa Department of Transportation	Other		145	Trailer, Van	6 6		0		6		
223 Iowa Department of Transportation	Other			Washer, Hi-Power Water	34 34		0		34)
232 Newton Correctional Facility	Other			Wheel Loader 2 cy or less	1 1		0		1	100 100 0 0)
232 Newton Correctional Facility	Other		35	Mowing Tractor 45-65 HP	2 2		0		2)
232 Newton Correctional Facility	Other			Mowing Tractor 65+ HP	1 1		0		1	100 100 0 0)
232 Newton Correctional Facility	Other	<u> </u>		Brush Chipper	1 1		0		1	100 100 0 0	1
243 Clarinda Correctional Facility	Other			Single Axle, Dump Body	1	1	0		1	100 51 49 0 100 90 10 0	1
243 Clarinda Correctional Facility 243 Clarinda Correctional Facility	Other Other	-	2	Single axle, flatbed Single axle, van body	4	4	0		4		1
243 Clarinda Correctional Facility 243 Clarinda Correctional Facility	Other			Platform Boom (High-Reach)	1 1	4	0		4	100 100 0 0	1
243 Clarinda Correctional Facility	Other		32	Wheel Loader 2 cy or less	1	1	0		1	100 65 35 0	7
243 Clarinda Correctional Facility	Other			Mowing Tractor <45 HP	3	3	0		3	100 100 0 0	
243 Clarinda Correctional Facility	Other		37	Tractor Loader-Backhoe	1 1		0		1	88 61 39 0	1
243 Clarinda Correctional Facility	Other			Skid Steer Loader, Wheel or Track	1 1		0		1	100 73 27 0	2
243 Clarinda Correctional Facility	Other			Compressor, Air 125-200	1 1		0		1	56 44 0	2
83 Fort Dodge Correctional Facility	Other	<u> </u>	1	Single Axle, Dump Body	1	1	0		1	25 100 0 0	2
85 Oakdale, Dept. of Corrections	Other			Skid Steer Loader, Wheel or Track	1 1		0		1	25 60 40 0	1
85 Oakdale, Dept. of Corrections 118 Iowa State Penitentiary	Other Other	<u>├</u> ──	132	Sewer Jet Single Axle, Dump Body	0		0		1	100 0 0 100 83 17 0	
118 Iowa State Penitentiary	Other			Wheel Loader 2 cy +	1	1	0		1		1
118 Iowa State Penitentiary	Other			Mowing Tractor <45 HP	1 1		0		1	100 100 0 0	7
118 Iowa State Penitentiary	Other			Tractor Loader-Backhoe	1 1		0		1	100 75 25 0)
118 Iowa State Penitentiary	Other		53	Skid Steer Loader, Wheel or Track	1 1		0		1	100 75 25 0	
118 Iowa State Penitentiary	Other			Compressor, Air 125-200	1 1		0		1	100 50 50 0	1
134 North Central Correctional Facility	Other			Damaged Disk							4
149 Iowa Correctional Institution for Women	Other			Not Applicable	0		0		0		-
155 Anamosa State Penitentiary	Other			Not Applicable	0		0	+ + +	0		4
173 Iowa DNR	Other		0	Not Applicable	0		0		0		-
126 Board of Regents, State of Iowa 195 Unknown1	Other		1	Not Applicable Single Axle, Dump Body	0	1	0	1 1	0	50 54 46 0	
							- 4		3		.
	Other Other						0		4	100 0 0)
196 Unknown2	Other Other Other		1	Single Axle, Dump Body	<u> </u>	2	0		4	100 0 0)
	Other		1		4 4 11 9	2			7	100 0 0))
196 Unknown2 196 Unknown2	Other Other		1 4 13 33	Single Axle, Dump Body Tandem axle, dump body	4 4	2	0		11	100 0 0	2 <u>)</u>)

ID Entity	Туре	Pop.	Equip. Line	Type of Equipment	*0 ¹¹	ned to	THE REAL PROPERTY OF THE PROPE	Licing Contra	st lise	Solution Control Solution	Jon Man Mark	BULL PROPERTY OF THE REAL PROPERTY OF THE PROP	In the second	Loat a start	/ .		10 ⁰ July
196 Unknown2	Other		37	Tractor Loader-Backhoe	4	4				0		_		4	100	0	0
196 Unknown2	Other		46	Dragline, 1/2 cy or less	1	1				0		_		1	100	0	0
196 Unknown2	Other		49	Motor grader, >135 HP	12	6	6			0				12	100	0	0
251 Mount Pleasant Correctional Facility	Other		0	Not Applicable													