ROAD EQUIPMENT PROCUREMENT AND UTILIZATION STUDY

CTRE Project 01-101

Sponsored by the Highway Division of the Iowa Department of Transportation





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

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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

We thank Ali Kamyab at the Center for Transportation Research and Education for his assistance in preparing the electronic version of the survey. We also appreciate the dedication of Ben Johansen, Erik Johansen, and Zhili Gao who helped collect the data and enter them into the spreadsheet and ensure that the numbers were accurate.

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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
 - o Iowa Board of Regents institutions (one survey covered all state universities)
 - o Iowa Department of Natural Resources (Iowa DNR) (1)
 - o Iowa DOT (1)
 - o 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 emailed 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.

Table 1. Number of Survey Responses

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%

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%

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

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 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.

Table 5. Respondent Profile for Counties

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 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.

Table 7. Number of Pieces of Equipment Purchased or Leased

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%)	(0.20%) 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%)	(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 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.

Table 8. Procurement Method for Purchasing Equipment

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 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.

Table 9. Procurement Method for Leasing 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%

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.

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

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%

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 Sprayer; 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-Scariffer; 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 Sprayer; 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.

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

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%

^{*} 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.

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

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%

^{*} 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.

Table 13. Owned Equipment Distribution for Counties

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%	

^{*} 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.

Table 14. Owned Equipment Distribution for the Iowa DOT

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%

* 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.

Table 15. Owned Equipment Distribution for State Correctional Facilities

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%	

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.

^{*} None.

Table 16. Percentage of Use for Maintenance and Construction

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 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.

Table 17. Equipment with Greatest Construction Usage

Respondent Type	Type of Equipment	Percent
1 31	V1 1 1	Construction Use
Cities > 5,000	Road Mixer	80%
	Water Tank Attachment	75%
	Vac-Con Sewer Jet Vacuum	50%
	Trailer, Tandem 12k	50%
	Trailer, Tandem 6k	50%
Cities 2,000–5,000	Asphalt Paver, Main Screed 10 ft or less	100%
	Trailer, Low Bed 15 Ton	100%
	Tree Spade	80%
	Power Rake Tiller	60%
Cities < 2,000	None	_
Counties	Single Axle Truck - Utility Box	100%
	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%

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.

Number of Pieces of Minimum Maximum Average Percent of **Respondent Type Equipment Reported** Usage Usage **Equipment Usage** (Percent of Total) 540 Cities > 5,00017% 100% 81% (34%)78 Cities 2,000-5,000 25% 100% 88% (24%) 29 Cities < 2.000 25% 100% 42% (14%)540 Counties 2.5% 100% 88% (13%)2,762 Iowa DOT 75% 100% 92% (100%)28 State correctional facilities 25% 100% 92% (93%)

Table 18. Equipment Usage

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). 2001b. Non-Self-Propelled "B" Equipment Over \$5,000. Ames, Iowa: Iowa DOT.

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.

FAX:

515-239-1639

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.: H	Equipment Description:
-----------------------	------------------------

		t Equivalents Use)	Total Equip. Equiv. (each season total cannot exceed total no. of pieces of
	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.)
- 3. 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 = $a/c \times 100$. Calculate construction percent of use = $b/c \times 100$.

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

		Equivalents Use)	Total Equip. Equiv. (each season total cannot exceed total no. of pieces of
			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.

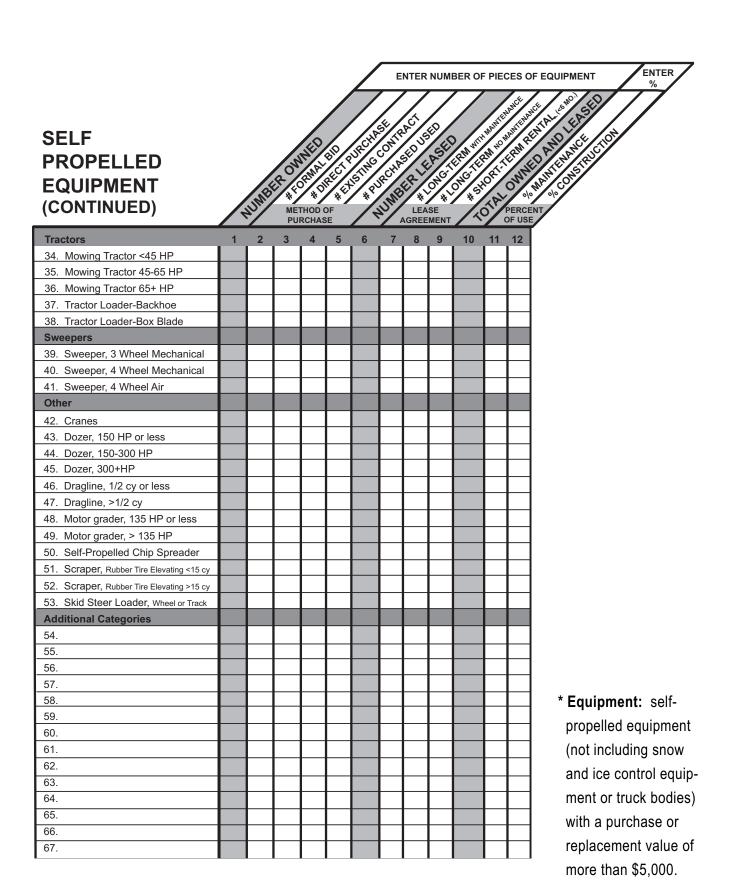
(Total Maintenance Equip. Equiv. (a) divided by Total Equip. Equiv. (c)) x 100

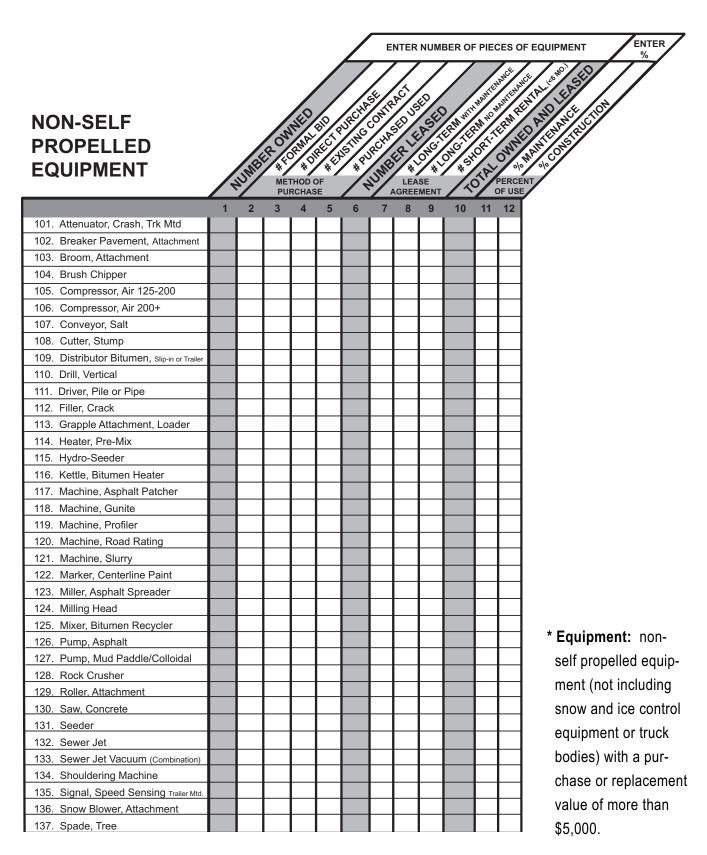
Construction Percent of Use = 13/38, or **34** percent.

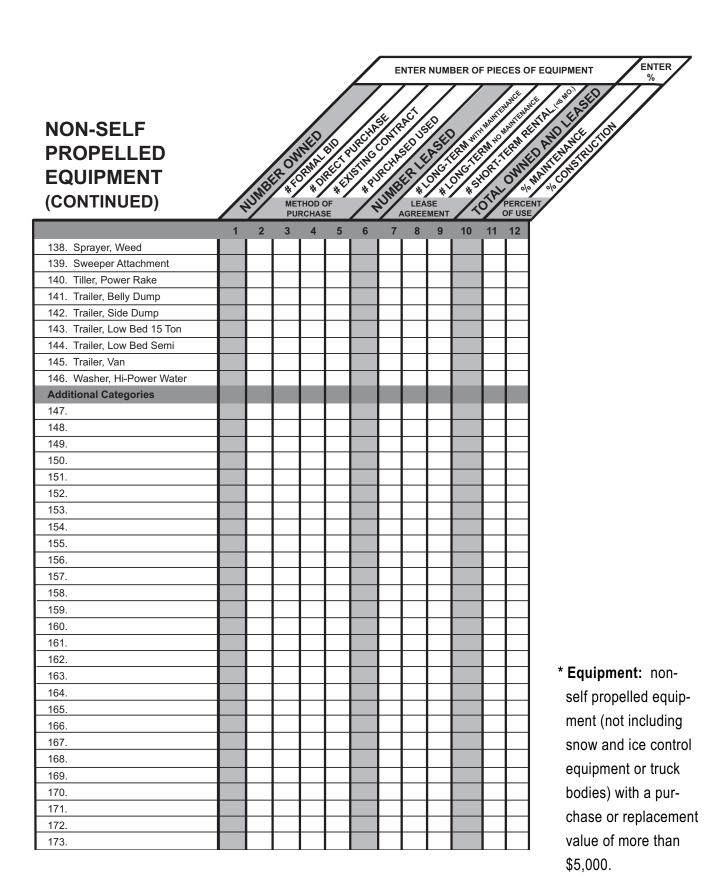
(Total Construction Equip. Equiv. (b) divided by Total Equip. Equiv. (c)) x 100

Part 1. Equipment* Procurement and Use Information

						E	NTER	NUMI	BER OF	PIEC	CES C	F EQUIPMENT ENTER
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											ANCE	\$\\ \s\\ \s\\ \\ \\ \\ \\ \\ \\ \\ \\ \\
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Touris			URCHA						40	44	40	
Trucks 1. Single axle, dump body	1	2 3	4	5 I	6 	7 	8	9	10	11 	12	
Single axle, dump body Single axle, flatbed			+	1								
3. Single axle, natived		_	+	┢				\vdash				
Tandem axle, dump body			+									
5. Tandem axle, flatbed		-	+	╁				\vdash				
6. Tandem axle, habed		+	+	\vdash				\vdash				
7. Bridge Inspection Unit		+	+	\vdash		\vdash		\vdash		\vdash	\vdash	
Fully Equipped Paint Truck			+									
9. Platform Boom (High-Reach)			+	┢								
Truck-Mounted Bitumen Distributor			+	╁								
11. Water Truck			+									
12. Semi-Tractor			+	\vdash								
Excavators												
13. Hydraulic wheeled, < 1 cy		_	т	г						г		
14. Hydraulic wheeled, 1–2 cy			1									
15. Hydraulic wheeled, 2+ cy			1									
16. Hydraulic crawler, < 1 cy			\top	\vdash								
17. Hydraulic crawler, 1–2 cy			1									
18. Hydraulic crawler, 2+ cy			1	T								
Pavers												
19. Asphalt, Main Screed 10 ft. or less		т	т	г								
20. Asphalt, Main Screed > 10 ft.												
21. Concrete, Main Screed 10 ft. or less			\top									
22. Concrete, Main Screed > 10 ft.												
Rollers												
23. Drum Roller 40-67"												
24. Drum Roller 67"+												* Equipment: self-
25. Rubber Tire Roller 7 wheel												· ·
26. Rubber Tire Roller 9 wheel				_		Ш		Ш				propelled equipment
27. Sheep's Foot Roller 40-67"			\perp									(not including snow
28. Sheep's Foot Roller 67"+			\perp									,
Loaders												and ice control equip-
29. Integrated Tool Carrier												ment or truck bodies)
30. Loader Crawler 80 HP or less		\perp	\perp	Ь.				$oxed{oxed}$				with a purchase or
31. Loader Crawler 80+ HP								Ш				•
32. Wheel Loader 2 cy or less		\bot	_	ऻ								replacement value of
33. Wheel Loader 2 cy+												more than \$5,000.







	Suggestions or Good Practices for Equipment Procurement and Use
	A linfo was all a sa
3. Responden	
Organization:	
	s:
City/Zip Code	e:
	ımber:
Fax Number:	

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, to

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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121 City of Massena	City	54 61	37 Tractor Loader-Backhoe	1 1		0			1	100	0 0
172 City of Blanchard 202 City of Knierim	City	70	0 Not Applicable 1 Single Axle, Dump Body	1	1	0			1	100	0 0
202 City of Knierim	City	70	34 Mowing Tractor <45 HP	1 1		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 157 City of Thornburg	City City	77 84	0 Not Applicable 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 156 City of St. Ansgar	City	110 118	0 Not Applicable 1 Single Axle, Dump Body	2	2	0			2	100	0 0
156 City of St. Ansgar	City	118	37 Tractor Loader-Backhoe	1	1	0			1	100	0 0
156 City of St. Ansgar	City	118	38 Tractor Loader-Box Blade	1	1	0			1	100	0 0
156 City of St. Ansgar 156 City of St. Ansgar	City	118 118	39 Sweeper, 3 Wheel Mechanical 48 Motor grader, 135 HP or less	1	1	0			1	100 100	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			0	100	0 0
54 Town of North Buena Vista 199 Pleasant Plain	City City	124 131	0 Not Applicable 0 Not Applicable	0		0			0		-
102 City of Oyens	City	132	0 Not Applicable	0		0			0		
242 City of Brunsville	City	146	Not Applicable	0		0			0		
153 City of Welton 182 City of Goodell	City City	159 174	0 Not Applicable 0 Not Applicable	0		0			0		_
61 City of Goodeli	City	182	0 Not Applicable	0		0			0		
49 City of Delaware	City	188	1 Single Axle, Dump Body	1	1	0			1	100	0 0
49 City of Delaware	City	188	48 Motor grader, 135 HP or less	1	1	0			1	100	0 0
26 City of Barnum 251 City of Stout	City City	195 217	0 Not Applicable 0 Not Applicable	0		0			U		-
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 125 City of Hanlontown	City	229 229	34 Mowing Tractor <45 HP 48 Motor grader, 135 HP or less	1 1	1	0			1	100 100	0 0
21 City of Blencoe	City	231	0 Not Applicable	0		0			0	100	
151 City of Elberon	City	245	0 Not Applicable	0		0			0		
159 City of Bertram	City	263 275	0 Not Applicable 0 Not Applicable	0		0			0		_
158 City of Davis City 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	100	0 0
86 City of Keswick 45 City of Farmersburg	City	295 300	38 Tractor Loader-Box Blade 1 Single Axle, Dump Body	2	2	0			2	100	0 0
45 City of Farmersburg	City	300	38 Tractor Loader-Box Blade	1	1	0			1	100	0 0
48 City of Lutton	City	305	1 Single Axle, Dump Body	2	2	0			2	100	0 0
48 City of Lutton 40 City of Libertyville	City	305 325	38 Tractor Loader-Box Blade 0 Not Applicable	1 1		0			0	100	0 0
27 City of Harcourt	city	340	34 Mowing Tractor <45 HP	1 1		ő			1	100	0 0
210 City of Lacona	City	360	1 Single Axle, Dump Body	1	1	0			1	50	50 0
210 City of Lacona 210 City of Lacona	City City	360 360	36 Mowing Tractor 65+ HP 38 Tractor Loader-Box Blade	1 1	1	0			1	20 40	30 50 40 20
210 City of Lacona 210 City of Lacona	City	360	48 Motor grader, 135 HP or less	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 1		1 0	 		1	100	0 0
18 City of Letts 18 City of Letts	City	392 392	34 Mowing Tractor <45 HP 105 Compressor, Air 125-200	1		1 0	1		1	100	0 0
18 City of Letts	City	392	138 Sprayer, Weed	1		1 0			1	100	0 0
99 City of Elliott	City	402	1 Single Axle, Dump Body	1 1	1	0	1		1	100	0 0
99 City of Elliott 99 City of Elliott	City	402 402	34 Mowing Tractor <45 HP 38 Tractor Loader-Box Blade	1 1	1	0	 		1	100	0 0
99 City of Elliott	City	402	39 Sweeper, 3 Wheel Mechanical	1	1	0			1	100	0 0
99 City of Elliott	City	402	48 Motor grader, 135 HP or less	1	1	0			1	100	0 0
47 City of Churdan 47 City of Churdan	City	418 418	1 Single Axle, Dump Body 34 Mowing Tractor <45 HP	1	1	0	1		1	100	0 0
47 City of Churdan 47 City of Churdan	City	418	37 Tractor Loader-Backhoe	1	1	0			1	100	0 0
100 City of Lewis	City	438	1 Single Axle, Dump Body	1	1	0			1	82	18 0
100 City of Lewis	City	438	34 Mowing Tractor <45 HP	1	1	0			1	100	0 0
100 City of Lewis 100 City of Lewis	City	438 438	37 Tractor Loader-Backhoe 38 Tractor Loader-Box Blade	1	1	0			1	75 94	25 0 6 0
100 City of Lewis	City	438	48 Motor grader, 135 HP or less	1	1	0			1	67	33 0
100 City of Lewis	City	438	83 Tractor-Blade	1	1	0			1	100	0 0

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200		City	477	32	Wheel Loader 2 cy or less	1		1		0		1			5 0
200 (City of Breda	City	477	34	Mowing Tractor <45 HP	1		1		0		1			0 0
	City of Breda City of Breda	City	477 477		Tractor Loader-Backhoe Sweeper, 4 Wheel Mechanical	1		1		0		1		00	5 0 0 0
200 (City of Breda	City	477	112	Filler, Crack	1		1		0		1		100	0 0
	City of Breda City of Buck Grove	City	477 503		Sprayer, Weed Not Applicable	1 0				0		1 0		100	0 0
		City	531		Single Axle, Dump Body	1		1		0		1	25	100	0 0
81 (City of Ellsworth	City	531	34	Mowing Tractor <45 HP	1 1				0		1	25	100	0 0
		City	531 531		Mowing Tractor 45-65 HP Tractor Loader-Backhoe	1 1				0		1	25 25		0 0
		City	531		Sweeper, 3 Wheel Mechanical	1		1		0		1			0 0
81 (City of Ellsworth	City	531	48	Motor grader, 135 HP or less	1		1		0		1		100	0 0
		City	531 533		Sprayer, Weed Single Axle, Dump Body	1 1				0	 	1			0 0
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39 (City of Doon	City	533	33	Wheel Loader 2 cy +	1 1				0		1			0 0
39 (City	533 533	34 40	Mowing Tractor <45 HP Sweeper, 4 Wheel Mechanical	2 2				0	 	2			0 0
39 (City of Doon	City	533	132	Sewer Jet	1 1				0		1		100	0 0
97 (City of Burt	City	556		Motor grader, 135 HP or less	1 1		1		0		1			0 0
		City	556 556	136	Skid Steer Loader, Wheel or Track Snow Blower, Attachment	1 1				0		1			0 0
		City	574	1	Single Axle, Dump Body	1 1				0		1		75 2	25 0
		City	574 649		Tractor Loader-Box Blade	1 2		0		0		1 2			0 0
30 /		City	649	2	Single Axle, Dump Body Single axle, flatbed	1		1		0		1			0 0
30 (City of Anthon	City	649	9	Platform Boom (High-Reach)	1		1		0		1		100	0 0
30 (City of Anthon City of Anthon	City City	649 649	103	Wheel Loader 2 cy + Broom, Attachment	1 1				0		1			0 0
	City of Anthon	City	649		Saw, Concrete	1 1				0		1			0 0
30 (City of Anthon	City	649		Sprayer, Weed	1 1				0		1			0 0
204 0	City of Hospers City of Hospers	City	672 672	34	Single Axle, Dump Body Mowing Tractor <45 HP	2 2		1		0		1 2			0 0
204 (City of Hospers	City	672	39	Sweeper, 3 Wheel Mechanical	1		1		0		1			0 0
		City	687		Not Applicable	0				0		0		100	0 0
	City of Underwood City of Underwood	City	688 688		Single Axle, Dump Body Mowing Tractor 65+ HP	1		1		0		1			0 0
154 (Cit of Ruthven	City	711	0	Not Applicable	0				0		0			
		City	716 716		Single Axle, Dump Body	1 1				0		1			0 0
		City City	716		Single axle, flatbed Mowing Tractor 65+ HP	1 1				0		1			0 0
73 (City of Clermont	City	716	103	Broom, Attachment	1 1				0		1	25	100	0 0
		City	716 720		Sewer Jet Single Axle, Dump Body	1 1				0	 	1			0 0
225	City of Sioux Rapids City of Sioux Rapids	City	720	2	Single axle, flatbed	1 1				0		1	25	100	0 0
		City	720		Drum Roller 40–67"	1 1		1		0		1			0 0
	City of Sioux Rapids City of Sioux Rapids	City City	720 720		Wheel Loader 2 cy + Mowing Tractor <45 HP	1 1				0	 	1			0 0
225 (City of Sioux Rapids	City	720	39	Sweeper, 3 Wheel Mechanical	1		1		0		1	25	100	0 0
		City	720 749	48	Motor grader, 135 HP or less Not Applicable	1 1				0		1 0	25	100	0 0
		City	749		Single Axle, Dump Body	2		2		0		2		100	0 0
101 (City of Walker	City	750	36	Mowing Tractor 65+ HP	1 1				0		1		100	0 0
		City	884 884		Single Axle, Dump Body Mowing Tractor <45 HP	2	\vdash	2		0	+ + +	2			5 0 0 0
		City	884		Tractor Loader-Backhoe	1 1		- 1		0		1			5 0
208 (City of Dayton	City	884	40	Sweeper, 4 Wheel Mechanical	1		1		0		1			0 0
		City	884 907		Motor grader, 135 HP or less Single Axle, Dump Body	3 1		1 2		0	 	3		95	5 0
56 (City of Rockford	City	907	34	Mowing Tractor <45 HP	2 1		1		0		2		100	0 0
56 (City of Rockford	City	907	38	Tractor Loader-Box Blade	1 1				0		1			
		City	907 907		Sweeper, 3 Wheel Mechanical Heater, Pre-Mix	1		1		0		1			0 0
95 (City of Dakota City	City	911	1	Single Axle, Dump Body	3		3		0		3		100	0 0
95 (City of Dakota City	City	911 928	48	Motor grader, 135 HP or less	1 2 1	\vdash	1		0		1 3			0 0
		City	928		Single Axle, Dump Body Mowing Tractor <45 HP	3 1 2 1 1				0		2			0 0
		City	928	35	Mowing Tractor 45-65 HP	1 1				0		1		100	0 0
	City of Riverside	City	928		Tractor Loader-Box Blade						1 1	1 1 4		75 2	25 0

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ID Entity 124 City of Riverside	Type City	Pop. 928	Line Type of Equipment 105 Compressor, Air 125-200	1 1 1	*. / *.	/ 4x / *.	/ * · /	*. / *.	1 44	<u> </u>	010	50	50 0
124 City of Riverside	City	928	107 Conveyor, Salt	2 2		- ()			2			
124 City of Riverside	City	928 938	138 Sprayer, Weed	1 1		1 (_			1		100 100	0 0
103 City of Shellsburg 103 City of Shellsburg	City	938	1 Single Axle, Dump Body 33 Wheel Loader 2 cy +	1 1	-		_			1		100	0 0
103 City of Shellsburg	City	938	34 Mowing Tractor <45 HP	1 1		-)			1		100	0 0
128 Elk Run Heights 98 City of Eddyville	City	1052 1064	Damaged Disk 1 Single Axle, Dump Body	1 1)			- 1		100	0 0
98 City of Eddyville 98 City of Eddyville	City	1064	34 Mowing Tractor <45 HP	3 3						3		100	0 0
98 City of Eddyville	City	1064	37 Tractor Loader-Backhoe	1 1		- 1)			1		100	0 0
252 City of Winfield 252 City of Winfield	City	1131 1131	1 Single Axle, Dump Body 2 Single axle, flatbed	1 1	1		1 +			1			+
252 City of Winfield	City	1131	38 Tractor Loader-Box Blade	1 1						1		60	40 0
252 City of Winfield	City	1131	41 Sweeper, 4 Wheel Air	1 1			\perp			1	-	60	40 0 0 0
252 City of Winfield 55 City of Marcus	City	1131 1139	48 Motor grader, 135 HP or less 1 Single Axle, Dump Body	2 1	1	1 1				1 2		100	0 0
55 City of Marcus	City	1139	33 Wheel Loader 2 cy +	2 2						2		100	0 0
55 City of Marcus	City	1139 1139	39 Sweeper, 3 Wheel Mechanical 105 Compressor, Air 125-200	1 1	1		_			1		100	0 0
55 City of Marcus 55 City of Marcus	City	1139	105 Compressor, Air 125-200 112 Filler, Crack	1 1			6			1		100	0 0
55 City of Marcus	City	1139	116 Kettle, Bitumen Heater	1 1		- 1)			1		100	0 0
55 City of Marcus 220 City of Solon	City	1139 1177	122 Marker, Centerline Paint 1 Single Axle, Dump Body	1 1)			1 2	50	100	0 0
220 City of Solon	City	1177	34 Mowing Tractor <45 HP	2 2						2	25	100	0 0
220 City of Solon	City	1177	37 Tractor Loader-Backhoe	1 1			_			1	25	100	0 0
220 City of Solon 162 City of Kingsley	City	1177 1245	139 Sweeper Attachment 1 Single Axle, Dump Body	1 1	1					1	25	100	0 0
162 City of Kingsley	City	1245	29 Integrated Tool Carrier	1	1	i	Ď			1		100	0 0
162 City of Kingsley	City	1245	34 Mowing Tractor <45 HP	2 2)			2		100	0 0
162 City of Kingsley 162 City of Kingsley	City	1245 1245	38 Tractor Loader-Box Blade 40 Sweeper, 4 Wheel Mechanical	1 1						1		100	0 0
59 City of Lenox	City	1401	1 Single Axle, Dump Body	4 4		-				4			
59 City of Lenox 59 City of Lenox	City	1401 1401	11 Water Truck 32 Wheel Loader 2 cy or less	1 1		1				1			
59 City of Lenox	City	1401	36 Mowing Tractor 65+ HP	1		1 0	_			1			
59 City of Lenox	City	1401	39 Sweeper, 3 Wheel Mechanical	1 1		1 1	_			1			
59 City of Lenox 59 City of Lenox	City	1401 1401	49 Motor grader, >135 HP 60 Backhoe 30 hp	1 1		1				1			-
59 City of Lenox	City	1401	104 Brush Chipper	1		1 ()			1			
59 City of Lenox 59 City of Lenox	City	1401 1401	132 Sewer Jet 136 Snow Blower, Attachment	1 2		2 0				1			
59 City of Lenox	City	1401	146 Washer, Hi-Power Water	1 1		2 1				1			
185 City of Nora Springs	City	1532	0 Not Applicable	0			_			0			20 -
122 City of Monona 122 City of Monona	City	1550 1550	1 Single Axle, Dump Body 33 Wheel Loader 2 cy +	3 3						1		70 80	30 0 20 0
122 City of Monona	City	1550	34 Mowing Tractor <45 HP	1 1		- ()			1		100	0 0
122 City of Monona	City	1550 1550	36 Mowing Tractor 65+ HP 39 Sweeper, 3 Wheel Mechanical	1 1	4		_			1		80 100	20 0 0 0
122 City of Monona 122 City of Monona	City	1550	132 Sewer Jet	1	1					1		100	0 0
122 City of Monona	City	1550	136 Snow Blower, Attachment	2 2		- 1	D			2		100	0 0
129 Mount Pleasant 84 City of Hartley	City	1583 1733	Damaged Disk 1 Single Axle, Dump Body	4 4	-)			4	68.75	91	9 0
84 City of Hartley	City	1733	34 Mowing Tractor <45 HP	3 3						3	30.10	100	0 0
84 City of Hartley	City	1733	37 Tractor Loader-Backhoe	1 1			_			1		91 100	9 0
84 City of Hartley 84 City of Hartley	City	1733 1733	38 Tractor Loader-Box Blade 39 Sweeper, 3 Wheel Mechanical	1 1						1	-+	100	0 0
84 City of Hartley	City	1733	48 Motor grader, 135 HP or less	1 1)			1		95	5 0
84 City of Hartley 84 City of Hartley	City	1733 1733	104 Brush Chipper 132 Sewer Jet	1 1	-		וו			1		100 100	0 0
67 City of Britt	City	2052	1 Single Axle, Dump Body	5 2	3		ó			5	65	100	0 0
67 City of Britt	City	2052	39 Sweeper, 3 Wheel Mechanical	1 1			_			1	75	100	0 0
67 City of Britt 67 City of Britt	City	2052 2052	49 Motor grader, >135 HP 62 Tractors	1 1	1		_			1	100	100	0 0
67 City of Britt	City	2052	63 Backhoe	1	1	- ()			1	100	100	0 0
67 City of Britt 67 City of Britt	City	2052 2052	64 Mower 65 Pickups	1 1 4	-)			1 4	100 93.75	100	0 0
212 City of Sumner	City	2052	1 Single Axle, Dump Body	2 2			6			2	33.13	75	25 0
212 City of Sumner	City	2106	41 Sweeper, 4 Wheel Air	1 1						1		100	0 0
212 City of Sumner 212 City of Sumner	City	2106 2106	48 Motor grader, 135 HP or less 53 Skid Steer Loader, Wheel or Track	1 1	1)			1	-+	100	0 0
212 City of Sumner	City	2106	196 Tractor-snowplow blade	1	1		ó			1		100	0 0
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108 Cuty of Abstract 109 Cuty of Abstract	108	City of Asbury			35	Mowing Tractor 45-65 HP					-						
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Second Color of Hermatchen			City		104	Single Avie Dump Body					0	-			•		
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148 Leclaire City 2947 1 Single Aske, Dump Body 4 4 0 0 4 100 100 0 0 1 161 Leclaire City 2947 36 Moving Tractor C49 IPP 1 1 0 0 1 75 100 0 0 0 148 Leclaire City 2947 36 Moving Tractor C49 IPP 1 1 0 0 1 100 100 0 0	51	City of Hawarden			105	Compressor, Air 125-200		1									
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165 City of West Burlington City 3161 1 Single Axle, Dump Body 2 2 0 0 2 60 40 0 165 City of West Burlington City 3161 2 Single axle, flatbed 1 1 0 0 1 40 60 0 165 City of West Burlington City 3161 4 Tandem axle, dump body 1 1 0 0 1 40 60 0 165 City of West Burlington City 3161 23 Drum Roller 40-67" 1 1 0 0 1 0 0 165 City of West Burlington City 3161 23 Drum Roller 40-67" 1 1 0 0 1 0 0 165 City of West Burlington City 3161 37 Tractor Loader-Backhoe 2 2 0 0 2 20 80 0 165 City of West Burlington City 3161 39 Sweeper, 3 Wheel Mechanical 1 1 0 0 1 1 90 10 165 City of West Burlington City 3161 48 Motor grader, 135 HP or less 1 1 0 0 1 1 100 0 165 City of West Burlington City 3161 53 Sixle Crudaer, Wheel or Track 2 2 0 0 2 2 50 50 0 165 City of West Burlington City 3161 102 Breaker Pavement, Attachment 1 1 0 0 1 50 50 0 165 City of West Burlington City 3161 103 Broom, Attachment 1 1 0 0 1 50 50 0 165 City of West Burlington City 3161 112 Filler, Crack 1 1 0 0 1 1 1 1 1 1					132	Sewer Jet						1	-				
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165 City of West Burlington City 3161 103 Brown, Attachment 1 1 0 1 50 50 0 165 City of West Burlington City 3161 105 Compressor, Air 125-200 1 1 0 1 1 50 50 0 165 City of West Burlington City 3161 112 Filler, Crack 1 1 0 1 100 0 0 165 City of West Burlington City 3161 113 Grapple Attachment, Loader 1 1 0 1 100 0 0 165 City of West Burlington City 3161 122 [Marker, Centerline Paint 1 1 0 1 1 100 0	165	City of West Burlington	City		53	Skid Steer Loader, Wheel or Track										50 5	
165 City of West Burlington City 3161 105 Compressor, Air 125-200 1 1 0 1 50 50 0 165 City of West Burlington City 3161 112 [Filler, Crack 1 1 0 1 100 0 0 165 City of West Burlington City 3161 113 Grapple Attachment, Loader 1 1 0 1 1 100 0 165 City of West Burlington City 3161 122 Marker, Centerline Paint 1 1 0 1 100 0 0	165	City of West Burlington			102	Breaker Pavement, Attachment		1			-						
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ID	Entity	Туре	Pop.	Line	Type of Equipment	*Outed *Edited		A CHEST	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	*\ ₀ , *\ ₀ ,	Antiet Antiete A	L'OLO.	Here age Here Here Here Here
165	City of West Burlington	City	3161		Sewer Jet Vacuum (Combination)	1 1			0			1	100 0 0
	City of West Burlington	City	3161		Filler, Power Rake	1	1		0			1	40 60 0
	City of West Burlington	City	3161		Washer, Hi-Power Water	1	1		0			1	100 0 0
187	City of Sergeant Bluff	City	3321	0	Not Applicable	0			0			0	
	City of Adel	City	3435		Not Applicable	0			0			0	
	City of Osage	City	3451		Single Axle, Dump Body	6 5	1		0			6	70 30 0
	City of Osage	City	3451	11	Nater Truck		1		0			1	100 0 0
	City of Osage	City	3451		Orum Roller 40–67"	1	1	1	0			1	100 0 0 65 35 0
	City of Osage	City	3451 3451	33	Wheel Loader 2 cy + Mowing Tractor <45 HP	2 1	1	- 1	0			2	
	City of Osage City of Osage	City	3451		Fractor Loader-Backhoe	1 1	+		0			1	100 0 0 70 30 0
231	City of Osage	City	3451		Sweeper, 3 Wheel Mechanical		1	-	0			1	100 0 0
	City of Osage	City	3451		Motor grader, 135 HP or less	2 2			0		1 1	2	90 10 0
	City of Osage	City	3451	54	Snow Blower	1		1	0			1	100 0 0
231	City of Osage	City	3451	55	Garbage Trucks	1		1	0			1	100 0 0
231	City of Osage	City	3451	104	Brush Chipper	1	1		0			1	100 0 0
231	City of Osage	City	3451	105	Compressor, Air 125-200	1		1	0			1	100 0 0
231	City of Osage	City	3451	112	iller, Crack	1		1	0			1	100 0 0
231	City of Osage	City	3451	116	Kettle, Bitumen Heater		1		0		+	1	100 0 0
	City of Osage	City	3451		Marker, Centerline Paint	1	4	1	0			1	100 0 0
	City of Osage	City	3451		Saw, Concrete		1		0			1	50 50 0
231	City of Osage City of Osage	City	3451 3451		Sewer Jet Spade, Tree	1 1	1		0			1	100 0 0 20 80 0
231	City of Osage	City	3451	146	Washer, Hi-Power Water	1	1		0			1	100 0 0
	City of Monticello	City	3607	1 1	Single Axle, Dump Body	4 4			0			4	62.5 100 0 0
	City of Monticello	City	3607		Vater Truck	1 1			0			1	100 100 0 0
192	City of Monticello	City	3607		Orum Roller 40–67"	1 1			0			1	100 100 0 0
	City of Monticello	City	3607		Mowing Tractor <45 HP	5 5			0			5	100 100 0 0
	City of Monticello	City	3607		Fractor Loader-Backhoe	1 1			0			1	100 100 0 0
	City of Monticello	City	3607		Sweeper, 3 Wheel Mechanical	1 1			0			1	100 100 0 0
	City of Monticello	City	3607		Motor grader, 135 HP or less	1 1			0			1	100 100 0 0
192	City of Monticello	City	3607		Skid Steer Loader, Wheel or Track	1 1			0			1	100 100 0 0
	City of Monticello	City	3607		Compressor, Air 125-200	1 1		-	0			1	
192	City of Monticello City of Monticello	City	3607 3607		Distributor Bitumen, Slip-in or Trailer Saw, Concrete	2 2			0			2	
192	City of Monticello	City	3607		Sewer Jet	1 1			0			1	
	City of Monticello	City	3607		Sewer Jet Vacuum (Combination)	1 1			0			1	
	City of Monticello	City	3607		Snow Blower, Attachment	1 1			0			1	
233	City of New Hampton	City	3692	1	Single Axle, Dump Body	3 3			0			3	50 50 0
	City of New Hampton	City	3692		Wheel Loader 2 cy +	1 1			0			1	90 10 0
	City of New Hampton	City	3692		Mowing Tractor <45 HP	1 1			0			1	100 0 0
233	City of New Hampton	City	3692	39	Sweeper, 3 Wheel Mechanical	1 1	+		0			1	100 0 0
233	City of New Hampton	City	3692 3692		Motor grader, 135 HP or less	1 1	-	1	0	_		1	100 0 0 100 0 0
	City of New Hampton City of New Hampton	City	3692 3692		Snow Blower Saw, Concrete	1 1	1		0	-	1	1	0 100 0
233	City of New Hampton	City	3692	146	Washer, Hi-Power Water	1 1	1	-	0			1	100 0 0
	City of Mount Vernon	City	3808		Single Axle, Dump Body	4 4			0			4	100 84 16 0
222	City of Mount Vernon	City	3808	34	Mowing Tractor <45 HP	2 1		1	0			2	100 94 6 0
222	City of Mount Vernon	City	3808	37	Fractor Loader-Backhoe	1 1			0			1	100 50 50 0
222	City of Mount Vernon	City	3808	39	Sweeper, 3 Wheel Mechanical	1		1	0			1	100 100 0 0
	City of Mount Vernon	City	3808		Skid Steer Loader, Wheel or Track	1	1		0			1	100 50 50 0
	City of Mount Vernon	City	3808		Brush Chipper	1 1	1		0			1	100 95 5 0
	City of Mount Vernon	City	3808		Compressor, Air 125-200	1	4	1	0			1	100 90 10 0
	City of Mount Vernon	City	3808 3905		Marker, Centerline Paint	4 3	1	4	0			1 4	100 100 0 0 90 10 0
	City of Cresco City of Cresco	City	3905		Single Axle, Dump Body Single axle, flatbed	2 2	+		0	-	1	2	90 10 0 95 5 0
	City of Cresco	City	3905		Water Truck	1		1	0			1	95 5 0
	City of Cresco	City	3905	33	Wheel Loader 2 cy +	2 2		- '	0			2	90 10 0
	City of Cresco	City	3905		Mowing Tractor <45 HP	1		1	0			1	100 0 0
33	City of Cresco	City	3905	35	Mowing Tractor 45-65 HP	1 1			0			1	100 0 0
33	City of Cresco	City	3905	39	Sweeper, 3 Wheel Mechanical	1 1			0			1	98 2 0
	City of Cresco	City	3905	48	Motor grader, 135 HP or less	1 1	1		0			1	90 10 0
33	City of Cresco	City	3905		Motor grader, >135 HP	1	_	1	0		+	1	90 10 0
33	City of Cresco	City	3905	104	Brush Chipper	1 1	1		0		1	1	100 0 0 95 5 0
33	City of Cresco City of Cresco	City	3905 3905	105	Compressor, Air 125-200 Roller, Attachment	1 1	+ -	1	0		1	1	95 5 0
	City of Cresco	City	3905	129	Sewer Jet Vacuum (Combination)	1 1	+		0			1	100 0 0
	City of Cresco City of Emmetsburg	City	3958		Single Axle, Dump Body	6 6		+	0			6	95 5 0
38	City of Emmetsburg	City	3958	30	Loader Crawler 80 HP or less	1 1			0			1	95 5 0
38	City of Emmetsburg	City	3958	36	Mowing Tractor 65+ HP	1		1	0			1	100 0 0
38	City of Emmetsburg	City	3958	41	Sweeper, 4 Wheel Air	1 1			0			1	95 5 0

ID Entity Type Pop. Line Type of Equipment & City Sign of Entity Type Pop. Line Type of Equipment & City Sign of Entity Pop. Line Type of Equipmen		//
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ID Entity Type Pop. Line Type of Equipment Child Fundament Type of Equipment Child Fundament Type of Equipment Type of E		Stellick Stellick
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ID Entity Type Pop. Line Type of Equipment	/* 2 / 40 / 40 / 40 / 40 / 40 / 40 / 40 /	<u>/ 0" / </u>
38 City of Emmetsburg City 3958 109 Distributor Bitumen, Slip-in or Trailer 1 1 0 38 City of Emmetsburg City 3958 113 Grapple Attachment, Loader 1 1 0	1 100 0 1 95 5	0
38 City of Emmetshurg City 3958 136 Snow Blower Attachment 1 1 0	1 100 0	0
15 City of Dyersville City 4035 1 Single Axte, Dump Body 5 2 3 0	5 80 20	
15 City of Dyersville City 4035 32 Wheel Loader 2 cy or less 1 1 0	1 80 20 1 100 0	0
15 City of Dyersville City 4035 35 Mowing Tractor 45-65 HP 1 1 0	1 90 10	0
15 City of Dyersville City 4035 39 Sweeper, 3 Wheel Mechanical 1 1 0	1 95 5	
15 City of Dyersville City 4035 53 Skid Steer Loader, Wheel or Track 1 1 0 15 City of Dyersville City 4035 105 Compressor, Air 125-200 1 1 0	1 60 40 1 50 50	
15 City of Dyersville City 4035 132 Sewer Jet 1 1 0	1 100 0	0
15 City of Dyersville City 4035 139 Sweeper Attachment 1 1 0	1 90 10	
93 City of Waukon City 4131 1 Single Axle, Dump Body 2 2 0 93 City of Waukon City 4131 33 Wheel Loader 2 cy + 1 1 0	2 75 25 1 50 50	0
93 City of Waukon City 4131 34 Mowing Tractor <45 HP 1 1 0	1 100 0	0
93 City of Waukon City 4131 41 Sweeper, 4 Wheel Air 1 1 0	1 75 25	
93 City of Waukon City 4131 65 Pickups 1 1 0 93 City of Waukon City 4131 105 Compressor, Air 125-200 1 1 1 0	1 100 0 1 100 0	
93 City of Waukon City 4131 136 Snow Blower, Attachment 1 1 0	1 100 0	
179 City of Eldridge City 4159 0 Not Applicable 0 0	0	\vdash
136 City of Camanche City 4215 Damaged Disk 140 City of Hampton City 4218 1 Single Axle, Dump Body 5 5 0	5 95 5	0
140 City of Hampton City 4210 1 Single-Net Dump Doury 3 3 3 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0	1 100 0	
140 City of Hampton City 4218 32 Wheel Loader 2 cy or less 1 1 0	1 95 5	
140 City of Hampton City 4218 36 Mowing Tractor 65+ HP 1 1 0 140 City of Hampton City 4218 41 Sweeper, 4 Wheel Air 1 1 0	1 100 0 1 100 0	
140 City of Hampton City 4218 48 Motor grader, 135 HP or less 1 1 0	1 95 5	
140 City of Hampton City 4218 53 Skid Steer Loader, Wheel or Track 1 1 0	1 95 5	0
140 City of Hampton City 4218 105 Compressor, Air 125-200 1 1 0 13 City of Forest City City 4362 1 Single Axle, Dump Body 4 4 0	1 100 0 4 90 10	0
13 City of Forest City City 4362 4 Tandem axle, dump body 1 1 1 0	1 70 30	
13 City of Forest City City 4362 29 Integrated Tool Carrier 1 1 1 1 1 1	2 90 10	
13 City of Forest City City 4362 34 Mowing Tractor <45 HP	1 100 0 1 100 0	0
13 City of Forest City City 4362 41 Sweeper, 4 Wheel Air 1 0	1 100 0	0
13 City of Forest City City 4362 48 Motor grader, 135 HP or less 1 1 0	1 80 20 1 100 0	0
13 City of Forest City City 4362 54 Snow Blower 1 1 0 13 City of Forest City City 4362 55 Garbage Trucks 3 3 0	3 100 0	
13 City of Forest City City 4362 104 Brush Chipper 1 1 0	1 100 0	0
13 City of Forest City City 4362 105 Compressor, Air 125-200 1 1 0 13 City of Forest City City 4362 113 Grapple Attachment, Loader 1 1 0 1 1 0 1 1 1	1 100 0 1 100 0	
13 City of Forest City City 4362 113 Grapple Attachment, Loader 1 1 0 13 City of Forest City City 4362 130 Saw, Concrete 2 2 0	2 60 40	
131 City of Humboldt City 4452 Damaged Disk		
104 City of Evansdale City 4526 1 Single Axle, Dump Body 2 2 0 104 City of Evansdale City 4526 4 Tandem axle, dump body 2 2 0	2 50 50 2 50 50	0
104 City of Evanisdate	1 0 100	0
104 City of Evansdale City 4526 23 Drum Roller 40–67" 1 1 0	1 50 50	0
104 City of Evansdale City 4526 32 Wheel Loader 2 cy or less 1 1 0 104 City of Evansdale City 4526 35 Mowing Tractor 45-65 HP 1 1 0	1 50 50 1 100 0	
104 City of Evansdale City 4526 37 Tractor Loader-Backhoe 1 1 0	1 50 50	0
104 City of Evansdale City 4526 40 Sweeper, 4 Wheel Mechanical 1 1 0	1 100 0	0
104 City of Evansdale City 4526 48 Motor grader, 135 HP or less 1 1 0	1 50 50 1 100 0	
104 City of Evansdale City 4526 105 Compressor, Air 125-200 1 1 0 0	1 100 0	
104 City of Evansdale City 4526 112 Filler, Crack 1 1 0	1 100 0	
104 City of Evansdale City 4526 143 Trailer, Low Bed 15 Ton 1 0 104 City of Evansdale City 4526 146 Washer, Hi-Power Water 1 1 0	1 0 100 1 100 0	0
69 City of Chariton City 4573 1 Single Axle, Dump Body 4 4 0 0	4 100 100 0	0
69 City of Chariton City 4573 10 Truck-Mounted Bitumen Distrubutor 1 1 0	1 25 100 0	
69 City of Chariton City 4573 11 Water Truck 1 1 0 69 City of Chariton City 4573 23 Drum Roller 40-67" 1 1 0	1 50 100 0 1 25 100 0	0
69 City of Chariton City 4573 27 Sheep's Foot Roller 40-67" 1 0	1 25 100 0	0
69 City of Chariton City 4573 32 Wheel Loader 2 cy or less 0 1 1 1	1 25 100 0	
69 City of Chariton City 4573 33 Wheel Loader 2 cy + 1 1 0 69 City of Chariton City 4573 34 Mowing Tractor <45 HP	1 25 100 0 2 50 100 0	0
69 City of Chariton City 4573 35 Mowing Tractor 45-65 HP 1 1 0	1 25 100 0	0
69 City of Chariton City 4573 39 Sweeper, 3 Wheel Mechanical 1 1 0	1 25 100 0	
69 City of Chariton City 4573 48 Motor grader, 135 HP or less 0 1 1 1 217 City of Winterset City 4768 1 Single Axle, Dump Body 3 3 0	1 25 100 0 3 100 100 0	0
217 City of Winterset City 4768 11 Water Truck 1 1 0	1 100 100 0	
217 City of Winterset City 4768 32 Wheel Loader 2 cy or less 1 1 0	1 100 100 0	0

			Equip. Line Type of Equipment 4, Orline Type of Equipment 4, Orline Type of Equipment 5 Mowing Tractor 45-85 HP 1 1 1 0 0 45-85 HP 1 75 100 0
			Equip. Line Type of Equipment **Refer by the state of th
ID Entity 217 City of Winterset	Type City	Pop. 4768	Line Type of Equipment インドライン インドラストラート インドライン インドライン インドライン インドラート
217 City of Winterset	City	4768	37 Tractor Loader-Backhoe 1 1 1 0 1 1 100 100 0
217 City of Winterset 217 City of Winterset	City	4768 4768	39 Sweeper, 3 Wheel Mechanical 2 1 1 0 2 100 100 0 49 Motor grader, >135 HP 1 1 0 1 100 100 0
161 City of Sheldon	City	4914	1 Single Axle, Dump Body 6 6 0 6 100 0
161 City of Sheldon 161 City of Sheldon	City	4914 4914	2 Single axle, flatbed 2 2 0 2 100 0 4 Tandem axle, dump body 1 1 0 1 100 0
161 City of Sheldon	City	4914	33 Wheel Loader 2 cy + 2 1 1 0 2 100 0
161 City of Sheldon 161 City of Sheldon	City	4914 4914	102 Breaker Pavement, Attachment 1 1 0 1 100 0 103 Broom, Attachment 1 1 0 1 100 0
161 City of Sheldon	City	4914	105 Compressor, Air 125-200 1 1 1 0 1 100 0
161 City of Sheldon 161 City of Sheldon	City	4914 4914	112 Filler, Crack 1 1 0 1 100 0 122 Marker, Centerline Paint 1 1 0 1 100 0
161 City of Sheldon	City	4914	132 Sewer Jet 1 1 0 1 100 0
71 City of Dewitt 71 City of Dewitt	City	5049 5049	1 Single Axle, Dump Body 5 2 3 0 5 100 60 40 3 Single axle, van body 1 1 0 1 100 100 0
71 City of Dewitt	City	5049	9 Platform Boom (High-Reach) 1 1 0 1 100 100 0
71 City of Dewitt 71 City of Dewitt	City	5049 5049	26 Rubber Tire Roller 9 wheel 1 1 0 1 75 0 100 33 Wheel Loader 2 cy + 1 1 0 1 100 63 37
71 City of Dewitt	City	5049	36 Mowing Tractor 65+ HP 1 1 1 0 1 1 100 93 7
71 City of Dewitt 71 City of Dewitt	City	5049 5049	37 Tractor Loader-Backhoe
71 City of Dewitt	City	5049	48 Motor grader, 135 HP or less 2 2 0 2 100 63 37
71 City of Dewitt 71 City of Dewitt	City	5049 5049	102 Breaker Pavement, Attachment 1 1 0 1 100 90 10 104 Brush Chipper 1 1 0 1 100 10 0
71 City of Dewitt	City	5049	105 Compressor, Air 125-200 1 1 0 1 100 93 7
71 City of Dewitt	City	5049 5049	132 Sewer Jet 1 1 0 1 100 10 0 136 Snow Blower, Attachment 1 1 0 1 25 100 0
71 City of Dewitt 183 City of Grimes	City	5049	136 Snow Blower, Attachment 1 1 0 1 25 100 0 0 Not Applicable 0 0 0 0 0 0 0
209 City of Vinton	City	5102 5102	1 Single Axle, Dump Body 4 3 1 0 4 80 20
209 City of Vinton 209 City of Vinton	City City	5102	4 Tandem axle, dump body 1 1 0 1 100 0 1 1 100 0 1 1 100 0 1 1 1 100 0 1
209 City of Vinton	City	5102	23 Drum Roller 40–67" 1 1 0 1 100 0
209 City of Vinton 209 City of Vinton	City City	5102 5102	30 Loader Crawler 80 HP or less 1 1 0 1 100 0 32 Wheel Loader 2 cy or less 1 1 0 1 80 20
209 City of Vinton	City	5102	36 Mowing Tractor 65+ HP 1 1 1 0 1 1 100 0
209 City of Vinton 209 City of Vinton	City	5102 5102	37 Tractor Loader-Backhoe 2 2 0 2 100 0 39 Sweeper, 3 Wheel Mechanical 1 1 0 1 100 0
209 City of Vinton	City	5102	48 Motor grader, 135 HP or less 1 1 1 0 1 80 20
209 City of Vinton 209 City of Vinton	City	5102 5102	49 Motor grader, >135 HP
209 City of Vinton	City	5102	102 Breaker Pavement, Attachment 1 1 1 0 1 1 100 0
209 City of Vinton 209 City of Vinton	City	5102 5102	104 Brush Chipper 1 1 0 1 100 0 105 Compressor, Air 125-200 1 1 0 1 100 0
209 City of Vinton	City	5102	125 Mixer, Bitumen Recycler 1 1 0 1 95 5
209 City of Vinton 209 City of Vinton	City	5102 5102	130 Saw, Concrete 1 1 0 1 100 0 133 Sewer Jet Vacuum (Combination) 1 1 0 1 100 0
209 City of Vinton	City	5102	136 Snow Blower, Attachment 1 1 1 0 1 1 100 0
209 City of Vinton 226 City of Waukee	City	5102 5126	143 Trailer, Low Bed 15 Ton 1 1 0 1 100 0 1 Single Axle, Dump Body 6 3 3 0 6 85 15
226 City of Waukee	City	5126	9 Platform Boom (High-Reach) 1 1 0 1 100 0
226 City of Waukee 226 City of Waukee	City	5126 5126	11 Water Truck 1 1 0 1 100 0 22 Concrete, Main Screed > 10 ft. 1 1 0 1 100 0
226 City of Waukee	City	5126	33 Wheel Loader 2 cy + 1 1 1 0 1
226 City of Waukee 226 City of Waukee	City	5126 5126	34 Mowing Tractor <45 HP 1 1 0 1 1 37 Tractor Loader-Backhoe 1 1 0 1
226 City of Waukee	City	5126	39 Sweeper, 3 Wheel Mechanical 0 1 1 1 1
226 City of Waukee 226 City of Waukee	City	5126 5126	48 Motor grader, 135 HP or less 1 1 0 1 1 53 Skid Steer Loader, Wheel or Track 1 1 0 1 1
226 City of Waukee	City	5126	103 Broom, Attachment 1 1 0 1
226 City of Waukee 226 City of Waukee	City	5126 5126	105 Compressor, Air 125-200 2 1 1 0 2 112 Filler, Crack 1 1 0 1
226 City of Waukee	City	5126	130 Saw, Concrete 1 1 0 1 1
92 City of Manchester 92 City of Manchester	City	5257 5257	1 Single Axle, Dump Body
92 City of Manchester	City	5257	33 Wheel Loader 2 cy + 1 1 1 0 1
92 City of Manchester 92 City of Manchester	City	5257 5257	34 Mowing Tractor <45 HP 1 1 0 1 1 37 Tractor Loader-Backhoe 1 1 0 1
92 City of Manchester	City	5257	41 Sweeper, 4 Wheel Air 1 1 0 1
92 City of Manchester	City	5257 5257	49 Motor grader, >135 HP 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
92 City of Manchester	City	5∠5/	105 Compressor, Air 125-200 1 1 1 0 1 1

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ID 92	Entity City of Manchester	Type City	Pop. 5257		Type of Equipment Sewer Jet Vacuum (Combination)	1	1	7 * *	/ *` /	40	0	/ **	/ * ·	1	olo	olo	olo	3"
92 216	City of Manchester City of Harlan	City	5257 5282		Snow Blower, Attachment Single Axle, Dump Body	1 5	5				0			1 5	95	79	21	0
216	City of Harlan	City	5282 5282	11	Water Truck	1	1		- 1		0			1	50	100 50	0 50	0
216	City of Harlan City of Harlan	City City	5282	33	Rubber Tire Roller 7 wheel Wheel Loader 2 cy +	1	1		- 1		0			1	100	100	0	0
216 216	City of Harlan City of Harlan	City	5282 5282		Mowing Tractor <45 HP Tractor Loader-Backhoe	1	1		1		0			1	70	100 75	0 25	0
216	City of Harlan City of Harlan	City City	5282 5282		Sweeper, 3 Wheel Mechanical Motor grader, >135 HP	1	1		1		0			1		100 75	0 25	0
216	City of Harlan	City	5282	53	Skid Steer Loader, Wheel or Track	1	1				0			1	100	75	25	0
216	City of Harlan City of Harlan	City City	5282 5282	105	Breaker Pavement, Attachment Compressor, Air 125-200	1	1				0			1	75	100 67	33	0
216	City of Harlan City of Harlan	City City	5282 5282	112	Filler, Crack Marker, Centerline Paint	1	1		1		0			1	50 25	100 100	0	0
216	City of Harlan	City	5282 5358	130	Saw, Concrete	1 3					0			1 3	75	100	0	0
20	City of Glenwood City of Glenwood	City	5358	4	Single Axle, Dump Body Tandem axle, dump body	1	1				0			1		74	12 26	0
	City of Glenwood City of Glenwood	City	5358 5358	11 33	Water Truck Wheel Loader 2 cy +	1					0			1 1		92 90	8 10	0
20	City of Glenwood City of Glenwood	City	5358 5358	34	Mowing Tractor <45 HP Mowing Tractor 45-65 HP	4	4				0			4		100	0	0
20	City of Glenwood	City	5358	37	Tractor Loader-Backhoe	2	2				0			2		90	10	0
20	City of Glenwood City of Glenwood	City City	5358 5358	48	Sweeper, 4 Wheel Air Motor grader, 135 HP or less	1		1			0			1		100 98	0 2	0
20	City of Glenwood City of Glenwood	City City	5358 5358	102 104	Breaker Pavement, Attachment Brush Chipper	1		1			0			1 1		100 100	0	0
20	City of Glenwood	City	5358 5358	105	Compressor, Air 125-200	1	1				0			1		96 98	4	0
20	City of Glenwood City of Glenwood	City City	5358	130	Kettle, Bitumen Heater Saw, Concrete	1		1			0			1		100	0	0
	City of Glenwood City of Anamosa	City	5358 5494		Sewer Jet Not Applicable	1 0	1				0			1 0		100	0	0
132	City of Shenandoah Street Department City of Shenandoah Street Department	City City	5546 5546	1	Single Axle, Dump Body Single axle, flatbed	2	2				0			2		50 66	50 34	0
132	City of Shenandoah Street Department	City	5546	27	Sheep's Foot Roller 40-67"	1	1				0			1		50	50	0
132	City of Shenandoah Street Department City of Shenandoah Street Department	City	5546 5546	34	Wheel Loader 2 cy + Mowing Tractor <45 HP	1	1				0			1		50 100	50 0	0
	City of Shenandoah Street Department City of Shenandoah Street Department	City	5546 5546		Mowing Tractor 65+ HP Tractor Loader-Backhoe	1	1				0			1 1		100 50	0 50	0
132	City of Shenandoah Street Department City of Shenandoah Street Department	City	5546 5546	39	Sweeper, 3 Wheel Mechanical	1	1				0			1		100	0 40	0
132	City of Shenandoah Street Department	City City	5546	104	Motor grader, 135 HP or less Brush Chipper	1	1				0			1		100	0	0
	City of Shenandoah Street Department City of Shenandoah Street Department	City	5546 5546		Saw, Concrete Sewer Jet	1	1				0	\perp		1		100 100	0	0
132	City of Shenandoah Street Department City of Shenandoah Street Department	City City	5546 5546	133	Sewer Jet Vacuum (Combination) Snow Blower, Attachment	1	1				0			1		100 100	0	0
166	City of Clarinda	City	5690	1	Single Axle, Dump Body	3	1		3		0			3		100	0	0
166	City of Clarinda City of Clarinda	City City	5690 5690	32	Platform Boom (High-Reach) Wheel Loader 2 cy or less	1	1				0			1		100	0	0
166 166	City of Clarinda City of Clarinda	City	5690 5690		Mowing Tractor <45 HP Mowing Tractor 65+ HP	1 2	2				0			1 2		100 100	0	0
166	City of Clarinda City of Clarinda	City	5690 5690	37	Tractor Loader-Backhoe Sweeper, 4 Wheel Mechanical	1	1				0			1		100	0	0
166	City of Clarinda	City	5690	48	Motor grader, 135 HP or less	1			1		0			1		100	0	0
166	City of Clarinda City of Clarinda	City City	5690 5690	55	Skid Steer Loader, Wheel or Track Sewer Jet Truck	1	1	1			0			1		100 100	0	0
166	City of Clarinda City of Clarinda	City City	5690 5690		Breaker Pavement, Attachment Saw, Concrete	1		1			0			1		100 100	0	0
166	City of Clarinda	City	5690 5741	136	Snow Blower, Attachment	1 7		1			0			1 7		100	0	0
253	City of Algona City of Algona	City	5741	23	Single Axle, Dump Body Drum Roller 40-67"	1	- 1		1					1		100	0	0
253 253	City of Algona City of Algona	City City	5741 5741	34	Wheel Loader 2 cy+ Mowing Tractor <45 HP	1 2	1 :	2						1 2		100 100	0	0
253	City of Algona City of Algona	City City	5741 5741	35	Mowing Tractor 45-65 HP Tractor Loader-Backhoe	1	1	1						1		100 100	0	0
253	City of Algona	City	5741	39	Sweeper, 3 Wheel Mechanical	1	1							1		100	0	0
253	City of Algona City of Algona	City City	5741 5741	53	Motor grader, 135 HP or less Skid Steer Loader, Wheel or Track	1	1		1					1		100 100	0	0
253 253	City of Algona City of Algona	City	5741 5741		Broom, Attachment Brush Chipper	1		1				-		1		100 100	0	0
	City of Algona	City	5741	105	Compressor, Air 125-200	1		1						1		100	0	0

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Second Company Compa					Equip.		With Other	/ Coll	St. Show	100 100	John Joh	8 / Kar /8	\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	as Maii. Co	" Zet"
Second Company Compa	ID	Entity	Type	Pop.	Line	Type of Equipment	' /* /	**/**	/* /	√% / %` /	/*^ /*^	/*2 /40	100 100	00, 000	/ on /
Second Company Compa	253	City of Algona	City		109	Distributor Bitumen, Slip-in or Trailer	1		1				1		0
250 Cap of Agence	253	City of Algona	City	5741	112	iller, Crack	1	1					1	100 0	0
251 Cut of Algans	253	City of Algona	City						1						0
251 Cut of Algans	253	City of Algona	City	5741	122	Marker, Centerline Paint	2	2					2	100 0	0
285 Dig of Algoria Columber Columber	253	City of Algona	City				1	1					1		0
255 Cyr of Algone							1	1					1		0
250 Clord Algues	253	City of Algona													0
220 Clay of Sour Certain Jumps Clay 6002 1 Stroje Auth, Curp Eduly 3 3 0 0 0 0 0 1 100 0 0															0
220 Cor of Stance Centries, bease					147	eaf Vac									0
200 Carl Stone Control Nome								3		0					0
220 City of Sous Center, Johns City 6002 28 Delego Ps. Post Rolled 67" 1 1 0								1				+ + + -	1 1		
230 Copt Stone Center, Johns City 6002 31 Wheel Londer 2 or 1 or 1 or 1 1 1 1 1 1 1 1 1 1					11	Vater I ruck			1			+	1 1		0
2020 City of Sour Center, Joseph 1 1 0 0 1 1 10 0 0					28	neeps root Koller 6/"+	•	-	1			+			0
200 City of Sous Center, Isona City															
220 Clay of Stease Center, Jones Clay 6002 41 Seegeer, 4 Where Air 1 1 0 0 1 1 100 0 0					34				 			1			0
220 City of Stock Center, lower City C															0
230 Clay of Stock Center, Johns Clay 6002 SS Stoff Steller Loader (Wheel or Track 1 1 0 0 1 100 0 0 1 1									3			+ + +			0
220 Cyr Sloux Certer, Iosea City 6002 103 Bonn Alsextment 1 1 0 1 100 0 1 100 0	230	City of Sioux Center, lowa			53	kid Stoor Loador Whool or Track			3						0
220 City of Soux Center, Jones City 6002 104 Bank Chipper 1 1 0 1 1 100 0 1 1	230	City of Sioux Center, Iowa						1							0
220 City of Stouc Center, Iowa					103	rush Chipper		-		0			1		0
230 CM of Sisson Center, Iowas										n			1		0
230 City of Souc Center, lowa	230	City of Sioux Center, Iowa							1	0			1		0
220 City of Stouc Center, Nova										0			1		0
Fig. City of Magazideta					207	idewalk Sweeper		1		0			1		0
160 Cuty of Magazoleta									2				5		0
199 Cuty of Magusobeta	169	City of Maquoketa											1		0
169 City of Magazoleta				6112			1 1						1	90 10	0
169 City of Maquoketa							1 1						1		0
169 City of Magucoteta	169	City of Maquoketa	City	6112	34	Nowing Tractor <45 HP	2 2						2	90 10	0
169 City of Maguceteta	169	City of Maquoketa	City	6112	37	ractor Loader-Backhoe	1 1						1	100 0	0
169 City of Magucketa									1						
169 City of Magucketa															0
169 City of Magucketa City 6112 102 Breaker Pawerment, Attachment 1	169	City of Maquoketa							1						0
199 City of Maguoketa City 6112 103 Broom, Attachment 1	169	City of Maquoketa												90 10	0
169 City of Maguoketa City 6112 115 Filter, Crack 1 1 1 1 1 1 1 1 1	169	City of Maquoketa												90 10	
198 City of Manubetla								1							0
169 City of Magupketa City 6112 130 Saw, Concrete 1 1 1 1 100 0 169 City of Magupketa City 6112 131 Seeder 1 1 1 1 1 1 1 1 1	169	City of Maquoketa													0
169 City of Maupuketa City 6112 131 Seeder 1															0
189 City of Maquoketa								4							0
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169 City of Maguoketa	160	City of Maguoketa						1				+ + + - +			0
169 City of Maquoketa City 6480 1 Single Aske, Dump Body 3 3 0 0 3 3 90 10							-	-	1	-		+ + + -	1		0
249 City of Hiawatha City 6480 1 Single Axle, Dump Body 3 3 0 0 1 1 100 0 1 249 City of Hiawatha City 6480 35 Mowing Tractor Loader-Backhoe 2 2 0 0 2 2 90 10 249 City of Hiawatha City 6480 49 Motor grader, >135 HP 1 1 1 0 0 1 1 90 10 249 City of Hiawatha City 6480 49 Motor grader, >135 HP 1 1 1 0 0 1 1 90 10 249 City of Hiawatha City 6480 49 Motor grader, >135 HP 1 1 1 0 0 1 1 90 10 249 City of Hiawatha City 6480 130 Saw, Concrete 1 1 1 0 0 1 1 90 10 249 City of Hiawatha City 6480 130 Saw, Concrete 1 1 1 0 0 1 1 100 0							•	1				1	1		0
249 City of Hiawatha	249	City of Hiawatha						-		n		1 1			0
249 City of Hiawatha								1		n			-		0
249 City of Hiawatha	249	City of Hiawatha			37	ractor Loader-Backhoe				0			2		0
249 City of Hiawatha	249	City of Hiawatha		6480	49	Notor grader, >135 HP	1	- 1					1	90 10	0
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247 City of Estherville				6480			1	1		0			1	90 10	0
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247 City of Estherville City 6656 132 Sewer Jet 1 1 0 1 100 100 0 247 City of Estherville City 6656 136 Snow Blower, Attachment 1 1 0 1 100 100 0 247 City of Estherville City 6656 146 Washer, Hi-Power Water 1 1 0 1 100 100 0 32 City of Oelwein City 6692 1 Single Axle, Dump Body 4 4 0 4 100 0 32 City of Oelwein City 6692 4 Tandem axle, dump body 1 1 0 1 100 0 32 City of Oelwein City 6692 23 Drum Roller 40-67" 1 1 0 1 100 0 32 City of Oelwein City 6692 33 Wheel Loader 2 cy + 1 1 0 1 100 0								-				+			0
247 City of Estherville City 6656 136 Snow Blower, Attachment 1 1 0 1 100 10 0 247 City of Estherville City 6656 146 Washer, Hi-Power Water 1 1 0 1 100 100 0 32 City of Oelwein City 6692 1 Single Axle, Dump Body 4 0 4 100 0 32 City of Oelwein City 6692 4 Tandem axle, dump body 1 1 0 1 100 0 32 City of Oelwein City 6692 23 Drum Roller 40-67" 1 1 0 1 1 100 0 32 City of Oelwein City 6692 33 Wheel Loader 2 cy + 1 1 0 1 100 0								-				+			0
247 City of Estherville City 6656 146 (Washer, Hi-Power Water 1 1 0 0 100 0 100 0 32 City of Oelwein City 6692 1 Single Avie, Dump Body 4 4 0 0 4 100 0 32 City of Oelwein City 6692 4 Tandem axle, dump body 1 1 0 0 1 1 100 0 32 City of Oelwein City 6692 23 Drum Roller 40-67° 1 1 1 0 1 1 100 0 1 1 100 0 32 City of Oelwein City 6692 23 Drum Roller 40-67° 1 1 1 0 1 1 100 0 1 1 100 0 1 1 100 0 1 1 100 0 1 1 100 0 1 1 1 100 0 1 1 1 100 0 1 1 1 100 0 1 1 1 100 0 1 1 1 100 0 1									 			1			0
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32 City of Oelwein City 6692 4 Tandem axle, dump body 1 1 0 0 1 1 100 0 32 City of Oelwein City 6692 23 Drum Roller 40-67" 1 1 0 1 1 100 0 1 1 100 0 32 City of Oelwein City 6692 33 Wheel Loader 2 cy + 1 1 0 1 1 100 0				6600				-	-	0		+ + + -			0
32 City of Oelwein City 6692 23 Drum Roller 40-67" 1 1 0 1 100 0 32 City of Oelwein City 6692 33 Wheel Loader 2 cy + 1 1 0 1 100 0								-	-	0		+ + + -			0
32 City of Oelwein City 6692 33 Wheel Loader 2 cy + 1 1 0 1 100 0	32	City of Oelwein			23	Drum Roller 40–67"		-	1	U			1		0
32 City of Oelwein City 6692 34 Mowing Tractor <45 HP 1 1 0 1 100 0									- 1			1 1	1		0
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ID	Entity	Туре	Pop.	Line	Type of Equipment
32	City of Oelwein	City	6692		Tractor Loader-Backhoe 1 1 1 0 1 1 100 0 0
32	City of Oelwein	City	6692	39	Sweeper, 3 Wheel Mechanical 2 2 0 2 100 0
	City of Oelwein	City	6692		Motor grader, 135 HP or less 1 1 1 0 1 1 100 0 0
32	City of Oelwein	City	6692	49	Motor grader, >135 HP 1 1 0 1 100 0 0
	City of Oelwein	City	6692	102	Breaker Pavement, Attachment 1 1 0 1 100 0
	City of Oelwein	City	6692		Brush Chipper 1 1 0 1 100 0 0
	City of Oelwein	City	6692		Saw, Concrete 1 1 1 0 1 100 0 0
	City of Oelwein	City	6692		Snow Blower, Attachment
	City of Oelwein	City	6692 7047		Trailer, Low Bed 15 Ton 1 1 0 11 00 0 0 0 Single Aske Dump Body 6 6 6 0 0 6 80 20 0
	City of Washington City of Washington	City	7047		Single Axle, Dump Body 6 6 0 6 80 20 0 Water Truck 1 1 0 1 100 0
	City of Washington	City	7047	23	Water Huck 1 1 1 0 1 1 50 50 0 D Drum Roller 40-67" 1 1 1 0 0 1 50 0 0
	City of Washington	City	7047		Driam Notice 40-07
	City of Washington	City	7047		Tractor Loader-Backhoe
	City of Washington	City	7047		Motor grader, 135 HP or less
228	City of Washington	City	7047	102	Breaker Pavement, Attachment 1 1 0 1 100 0
228	City of Washington	City	7047	109	Distributor Bitumen, Slip-in or Trailer
	City of Washington	City	7047		Marker, Centerline Paint 1 1 0 1 100 0
	City of Washington	City	7047		Roller, Attachment 1 1 0 1 80 20 0
	City of Washington	City	7047		Saw, Concrete 1 1 0 1 80 20 0 Saw, Fig. 1 1 0 1 1 100 0 0
	City of Washington	City	7047		00110100
	City of Washington City of Washington	City	7047 7047		Sewer Jet Vacuum (Combination) 1 1 0 1 100 0 Sweeper Attachment 1 1 0 1 100 0
	City of Washington	City	7047		Sweeper Autachment
211	City of Atlantic Street Department	City	7257	1 1	Single Axle, Dump Body
	City of Atlantic Street Department	City	7257	10	Truck-Mounted Bitumen Distrubutor 1 1 0 1 100 0
	City of Atlantic Street Department	City	7257		Water Truck 1 1 0 1 100 0
211	City of Atlantic Street Department	City	7257		Semi-Tractor 1 1 0 1 100 0
	City of Atlantic Street Department	City	7257		Hydraulic wheeled, < 1 cy
	City of Atlantic Street Department	City	7257		Asphalt, Main Screed > 10 ft. 1 1 0 1 1 100 0 0
	City of Atlantic Street Department	City	7257		Drum Roller 40–67" 2 2 0 2 100 0
	City of Atlantic Street Department	City	7257		Rubber Tire Roller 7 wheel 1 1 0 1 100 0 Rubber Tire Roller 9 wheel 1 1 0 1 1 100 0 0
	City of Atlantic Street Department	City	7257 7257		
211	City of Atlantic Street Department City of Atlantic Street Department	City	7257		Wheel Loader 2 cy + 1 1 0 1 100 0 Mowing Tractor <45 HP
	City of Atlantic Street Department	City	7257		
	City of Atlantic Street Department	City	7257	49	Motor grader, >135 HP
	City of Atlantic Street Department	City	7257		Self-Propelled Chip Spreader 1 1 0 1 100 0
211	City of Atlantic Street Department	City	7257	53	Skid Steer Loader, Wheel or Track 1 1 0 1 100 0 0
	City of Atlantic Street Department	City	7257		Snow Blower 1 1 0 1 100 0
	City of Atlantic Street Department	City	7257		Compressor, Air 125-200 1 1 1 0 1 1 100 0 0
	City of Atlantic Street Department	City	7257		Distributor Bitumen, Slip-in or Trailer
	City of Atlantic Street Department	City	7257 7257		Saw, Concrete
	City of Atlantic Street Department City of Atlantic Street Department	City	7257		Sewer Jet Vacuum (Combination) 1 1 0 1 100 0 Trailer, Low Bed 15 Ton 2 2 0 2 100 0
211	City of Atlantic Street Department City of Atlantic Street Department	City	7257		
	City of Atlantic Street Department	City	7257		1
	City of Atlantic Street Department	City	7257	192	Semi: Liquid Trailer - Waste Water 1 1 0 1 100 0 0
	City of Atlantic Street Department	City	7257	193	Paint Machine 1 1 1 0 1 1 100 0 0
211	City of Atlantic Street Department	City	7257	194	Mosquito Sprayer 1 1 0 1 100 0
	City of Atlantic Street Department	City	7257		Backhoe Loader Mounted 1 1 0 1 100 0
	Denison Street Department	City	7339		Single Axle, Dump Body 7 7 0 7 90 100 0 0
	Denison Street Department	City	7339		Water Truck 1 1 1 0 1 90 100 0 0
	Denison Street Department	City	7339		Wheel Loader 2 cy +
	Denison Street Department Denison Street Department	City	7339 7339		Mowing Tractor <45 HP 5 5 0 5 50 100 0 Tractor Loader-Backhoe 1 1 0 1 90 100 0
	Denison Street Department Denison Street Department	City	7339		
	Denison Street Department	City	7339		Sweeper, 3 vines inecutation 1 0 1 30 100 0 0 0 0 0 0 0 0
	Denison Street Department	City	7339		Skid Steer Loader, Wheel or Track
213	Denison Street Department	City	7339	104	Brush Chipper 1 1 0 1 50 100 0 0
213	Denison Street Department	City	7339	130	Saw, Concrete 2 2 0 2 50 100 0 0
	Denison Street Department	City	7339		Sewer Jet 1 1 0 1 50 100 0
	Denison Street Department	City	7339		Snow Blower, Attachment
	Denison Street Department	City	7339 7597		Washer, Hi-Power Water 1 0 1 50 100 0 Single Akle, Dump Body 7 7 0 7 100 68 32 0
50	City of Creston City of Creston	City	7597 7597	10	Single Axle, Dump Body 7 7 0 7 100 68 32 0 Truck-Mounted Bitumen Distrubutor 1 1 0 1 50 50 0
	City of Creston City of Creston	City	7597		Truck-Mounted Bittumen Distrubutor
	City of Creston	City	7597		Water Huck 1 0 1 30 30 0 D D D mm Roller 40-67" 1 1 0 1 40 60 0
50	City of Creston	City	7597		Rubber Tire Roller 9 wheel 1 1 0 100 0
	City of Creston	City	7597		Sheep's Foot Roller 40-67" 1 1 0 1 0 0
	City of Creston	City	7597		Wheel Loader 2 cy + 1 1 1 0 1 50 50 0
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11 Clay of Chemica City	50 City of Creston	City		136 Snow Blower, Attachment	1	1									0
11 Charle Cherkes City	50 City of Creston				1		1								0
11 City of Charles City					6	6						-			0
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11 Dig of Chiefe City		City	7812		1				-						0
11 City of Charles City			7812		1	1									0
11 Clay of Chiefes City	11 City of Charles City	City	7812		1	1							1	100 0	0
11 Clay of Chiefes City	11 City of Charles City	City		37 Tractor Loader-Backhoe	1										0
11 City of Charles City	11 City of Charles City	City			1	1									0
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11 Coy of Charles City		City			1										0
11 City of Charles City		City			1										0
11 City of Charles City			7812	105 Compressor, Air 125-200	1	1							1		0
11 City of Charles City	11 City of Charles City		7812		1	1			0				1		0
11 City of Charles City	11 City of Charles City	City		122 Marker, Centerline Paint	1	1			0				1		0
11 Day of Charles City			7812	130 Saw, Concrete	1	1									0
11 City of Charles City					1	1			-						0
207 City of Clear Lake Public Works Department City 8161 1 Single Akle, Dump Body 6 6 6 0 0 6 6 65 55					1										0
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207 City of Clear Lake Public Works Department City 8161 33 Wheel Loader 2 cy + 1 1 0 1 50 50 1 207 City of Clear Lake Public Works Department City 8161 37 Tractor Loader-Baschboe 2 2 0 0 2 48 54 54 54 54 54 54 54	207 City of Clear Lake Public Works Department				2	1	1								0
207 City of Clear Lake Public Works Department City 8161 35 Moving Tractor 45-65 HP 1 1 0 1 1 100 0 1 2 46 54 207 City of Clear Lake Public Works Department City 8161 39 Sweeper, 3 Wheel Mechanical 2 2 0 2 63 37 207 City of Clear Lake Public Works Department City 8161 39 Sweeper, 3 Wheel Mechanical 2 2 0 2 63 37 207 City of Clear Lake Public Works Department City 8161 40 Motor grader, 2155 HP 81 1 1 0 1 1 57 43 207 City of Clear Lake Public Works Department City 8161 40 Motor grader, 2155 HP 81 1 1 0 1 1 57 43 207 City of Clear Lake Public Works Department City 8161 41 40 Motor grader, 2155 HP 81 41 41 40 41 41 41 41 4					1	1	·		-						0
207 City of Clear Lake Public Works Department City 8161 37 Tractor Loader-Baschnee 2 2 0 0 2 46 54 54 207 City of Clear Lake Public Works Department City 8161 48 Motor grader, 135 HP or less 1 1 0 1 60 40 40 40 40 40 40 40					1		1		0				1		0
207 City of Clear Lake Public Works Department		City			2	2									0
207 City of Clear Lake Public Works Department					2	2			-						0
207 City of Clear Lake Public Works Department City 8161 53 Skid Steer Loader, Wheel or Track 1 1 0 0 1 55 50 50 207 City of Clear Lake Public Works Department City 8161 102 Breaker Pawment, Manched 1 1 0 0 1 57 43 207 City of Clear Lake Public Works Department City 8161 113 Grapple Atlachment 1 1 0 0 1 57 43 207 City of Clear Lake Public Works Department City 8161 113 Grapple Atlachment 1 1 0 0 1 57 43 207 City of Clear Lake Public Works Department City 8161 122 Marker, Centerline Paint 1 1 0 0 1 75 25 25 25 207 City of Clear Lake Public Works Department City 8161 130 Saw, Concrete 1 1 0 0 1 55 50 207 City of Clear Lake Public Works Department City 8161 136 Snow Blower, Meded 1 1 0 0 1 55 50 207 City of Clear Lake Public Works Department City 8161 138 Sprawer, Weded 1 1 0 0 1 1 55 50 207 City of Clear Lake Public Works Department City 8161 138 Sprawer, Weded 1 1 0 0 1 1 1 1 1 1					1		1								0
207 City of Clear Lake Public Works Department 2					1	- 1	1								0
207 City of Clear Lake Public Works Department City 8161 113 Groppe Natchment Loader 1 1 0 0 1 57 43				102 Breaker Pavement Attachment	1	1							1		0
207 City of Clear Lake Public Works Department City 8161 113 Grapple Attachment, Loader 1					1		1						1		0
207 City of Clear Lake Public Works Department City 8161 122 Marker, Centerline Paint 1 1 0 1 75 25 50 50 50 50 50 50 5	207 City of Clear Lake Public Works Department		8161	113 Grapple Attachment, Loader	1	1			0				1	67 33	0
207 City of Clear Lake Public Works Department	207 City of Clear Lake Public Works Department	City		122 Marker, Centerline Paint	1	1							1		0
207 City of Clear Lake Public Works Department City 8161 138 Sprayer, Weed 1 1 0 0 1 100 0 1 43 57 207 City of Clear Lake Public Works Department City 8161 146 Trailer, Van 1 1 0 0 1 43 57 207 City of Clear Lake Public Works Department City 8161 146 Washer, Hi-Power Water 1 1 0 0 1 1 50 50 50				130 Saw, Concrete	1		1		-				1		0
207 City of Clear Lake Public Works Department City 8161 145 Trailer, Van 1 1 0 0 1 1 43 57					1	1	-								0
207 City of Clear Lake Public Works Department City 8161 146 Washer, Hi-Power Water 1 1 0 0 1 100 0 1 50 50					1	4	- 1				-	-			0
207 City of Clear Lake Public Works Department City 8161 186 Vac-Con Sewer Jet Vacuum 1 1 0 0 1 50 50 207 City of Clear Lake Public Works Department City 8161 187 Trailer, Tandem 12k 1 1 0 0 1 50 50 50 207 City of Clear Lake Public Works Department City 8161 188 Trailer, Tandem 12k 1 1 0 0 1 50 50 50 207 City of Clear Lake Public Works Department City 8161 188 Trailer, Tandem 6k 1 1 0 0 1 50 50 207 City of Clear Lake Public Works Department City 8172 11 Water Truck 1 1 0 0 1 50 50 207 City of Clear Lake Public Works Department City 8172 11 Water Truck 1 1 0 0 1 75 100 0 115 Decorah Street Department City 8172 33 Wheel Loader 2 cy + 2 2 2 0 0 2 2 100 88 12 115 Decorah Street Department City 8172 36 Moving Tractor 65+ HP 1 1 0 0 1 75 100 0 1 100 88 12 115 Decorah Street Department City 8172 37 Tractor Loader-Backhoe 1 1 0 0 1 100 88 12 115 Decorah Street Department City 8172 48 Motor grader, 315 HP or less 1 1 0 0 1 1 75 100 0 1 1 100 88 12 115 Decorah Street Department City 8172 49 Motor grader, 315 HP or less 1 1 0 0 1 1 1 1 0 0					1	1									0
207 City of Clear Lake Public Works Department					1	1							1		0
207 City of Clear Lake Public Works Department City 8161 188 Trailer, Tandem 6k 1 1 0 1 50 50					1		1						1		0
115 Decorah Street Department	207 City of Clear Lake Public Works Department			188 Trailer, Tandem 6k	1		1		0						0
115 Decorah Street Department	115 Decorah Street Department	City		1 Single Axle, Dump Body	5	5			0						0
115 Decorah Street Department				11 Water Truck	1			1			_				0
115 Decorah Street Department City 8172 37 Tractor Loader-Backhoe 1 1 0 0 1 100 88 12					2	_					_				0
115 Decorah Street Department					1	1									0
115 Decorah Street Department					1	1									0
115 Decorah Street Department					1	1									0
115 Decorah Street Department	115 Decorah Street Department		8172	49 Motor grader, >135 HP	1	1			0				1 100	94 6	0
115 Decorah Street Department	115 Decorah Street Department	City	8172	53 Skid Steer Loader, Wheel or Track	1	1			0				1 100		0
115 Decorah Street Department		City		65 Pickups	4	4									0
115 Decorah Street Department					1	.		1							0
115 Decorah Street Department				104 Brush Unipper	1	1					_	-			0
178 City of Webster City City 8176 0 Not Applicable 0 0 0 0 0 9 9 0 0 9 70 30 91 City of Waverly City 8968 4 Tandem suke, dump body 1 1 0 1 1 75 25 5 91 City of Waverly City 8968 10 Truck-Mounted Bitumen Distrubutor 1 1 0 1 1 10 90					1	1			Ü		-	-			0
91 City of Waverly City 8968 1 I Single Avie, Dump Body 9 9 0 9 70 30 91 City of Waverly City 8968 4 Tandem axie, dump body 1 1 0 1 1 75 25 91 City of Waverly City 8968 10 Truck-Mounted Bitumen Distrubutor 1 1 0 1 1 10 90	178 City of Webster City				0	 								.50	Ť
91 City of Waverly City 8968 4 Tandem axle, dump body 1 1 0 1 75 25 91 City of Waverly City 8968 10 Truck-Mounted Bitumen Distrubutor 1 1 0 1 10 90	91 City of Waverly				9	9			0					70 30	0
91 City of Waverly City 8968 10 Truck-Mounted Bitumen Distrubutor 1 1 1 0 1 1 10 90	91 City of Waverly	City	8968	4 Tandem axle, dump body	1	1			0				1	75 25	0
91 City of Wayerly	91 City of Waverly	City		10 Truck-Mounted Bitumen Distrubutor	1	1			0				1		0
31 -Nig Virtuariny Oily 0900 23 -Diulii Noilei 40-07 1 1 0 1 64 10	91 City of Waverly	City	8968	23 Drum Roller 40–67"	1	1			0				1	84 16	0

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ID	Entity	Туре	Pop.	Line	Type of Equipment	*Outed *Folia		Ragaria de la companya de la company	10 / 10 / 10 / 10 / 10 / 10 / 10 / 10 /	*\(\)	ANTE ANTERIOR SE	10/10 /0/07)	S Heile Cold Heile S
91 City of Way		City	8968		Drum Roller 67+"	1 1	Ì	1	1 0	` [`		1 1	34 66 0
91 City of Way	verly	City	8968	26	Rubber Tire Roller 9 wheel	1		1	0			1	50 50 0
91 City of Way		City	8968		Wheel Loader 2 cy +	2 2			0			2	81 19 0
91 City of Way	verly	City	8968	36	Mowing Tractor 65+ HP	2 2			0			2	100 0 0
91 City of Way		City	8968		Tractor Loader-Backhoe	2 2			0			2	75 25 0
91 City of Way		City	8968		Sweeper, 3 Wheel Mechanical	1 1			0			1	66 34 0
91 City of Way		City	8968		Sweeper, 4 Wheel Air	1 1			0			1	84 16 0 100 0 0
91 City of Way		City	8968 8968		Dozer, 150 HP or less	0			0		1		100 0 0 71 29 0
91 City of Way 91 City of Way		City	8968		Motor grader, >135 HP Road Mixer	2 2			0			2	20 80 0
91 City of Way		City	8968		Saw, Concrete	1 1			0			1	100 0 0
91 City of Way	verly	City	8968	136	Snow Blower, Attachment	1 1			0			1	100 0 0
91 City of Way		City	8968		Boom Mower	2 2			0			2	100 0 0
91 City of Way	verly	City	8968		Water Tank Attachment	1 1			0			1	25 75 0
215 City of Grin	nnell	City	9105	1	Single Axle, Dump Body	4 2	2		0			4	98 2 0
215 City of Grin	nnell	City	9105	2	Single axle, flatbed	2 2			0			2	98 2 0
215 City of Grin		City	9105		Platform Boom (High-Reach)	1		1	0			1	100 0 0
215 City of Grin	nnell	City	9105	11	Water Truck	1 1	-	1	0			1	100 0 0
215 City of Grin	nnell	City	9105 9105		Drum Roller 40–67"	1 1	-	 	1 0			1	50 50 0 50 50 0
215 City of Grin 215 City of Grin		City	9105	20	Rubber Tire Roller 9 wheel Wheel Loader 2 cy or less	1 1			1 0			1	100 0 0
215 City of Grin		City	9105		Wheel Loader 2 cy +	1 1			0			1	100 0 0
215 City of Grin	nell	City	9105	37	Tractor Loader-Backhoe	2 1		1	0			2	98 2 0
215 City of Grin		City	9105		Sweeper, 3 Wheel Mechanical	1		1	0			1	100 0 0
215 City of Grin		City	9105		Cranes	1	1		0			1	90 10 0
215 City of Grin	nnell	City	9105		Motor grader, >135 HP	1 1			0			1	100 0 0
215 City of Grin		City	9105		Skid Steer Loader, Wheel or Track	2 1	1		0			2	95 5 0
215 City of Grin		City	9105		Breaker Pavement, Attachment	1	1		0			1	98 2 0
215 City of Grin		City	9105		Broom, Attachment	1	1		0			1	100 0 0
215 City of Grin		City	9105		Brush Chipper	1 1			0			1	100 0 0 98 2 0
215 City of Grin		City	9105 9105		Compressor, Air 125-200 Grapple Attachment, Loader	1 1		1	0			1	
215 City of Grin 215 City of Grin		City	9105		Saw, Concrete	1	1		0			1	100 0 0 90 10 0
215 City of Grin		City	9105		Sewer Jet	1	-	1	0			1	100 0 0
215 City of Grin	nell	City	9105	136	Snow Blower, Attachment	3	2 1		0			3	100 0 0
215 City of Grin		City	9105		Washer, Hi-Power Water	1 1			0			1	100 0 0
215 City of Grin		City	9105		Rear Load Garbage Truck Single Axle with Tag	2 2			0			2	100 0 0
215 City of Grin	nnell	City	9105	199	Recycle Truck Single Axle	2 2			0			2	100 0 0
215 City of Grin		City	9105		Side Load Garbage Truck Single Axle	1 1			0			1	100 0 0
248 City of Fair		City	9509		Single Axle, Dump Body	0			0			6 21	100 0 0
248 City of Fair		City	9509	9	Platform Boom (High-Reach)	0			0			1 25	100 0 0
248 City of Fair	TIEIO	City	9509	11	Water Truck	0	-	 	0			1 25	100 0 0
248 City of Fair 248 City of Fair		City	9509 9509	33	Wheel Loader 2 cy + Mowing Tractor <45 HP	0	-	 	U		+ + + + + + + + + + + + + + + + + + + +	1 20	100 0 0
248 City of Fair		City	9509	34	Sweeper, 3 Wheel Mechanical	0	_		0			2 19 1 25	100 0 0
248 City of Fair	field	City	9509	49	Motor grader, >135 HP	0			0			1 43	100 0 0
248 City of Fair		City	9509		Brush Chipper	0			0			1 25	100 0 0
248 City of Fair		City	9509	105	Compressor, Air 125-200	0			0			1 25	100 0 0
248 City of Fair	field	City	9509	130	Saw, Concrete	0			0			1 25	100 0 0
248 City of Fair		City	9509		Sewer Jet Vacuum (Combination)	0			0			1 25	100 0 0
248 City of Fair		City	9509		Adams Conveyor Loader	0			0		1	1 25	100 0 0
248 City of Fair		City	9509		Single Axle sand spreader trucks	0		\vdash	0			2 25	100 0 0
248 City of Fair		City	9509		4x4 pickups	0			0		 	4 25	100 0 0
193 City of Pella 229 City of Stor		City	9832 10076		Not Applicable Single Axle, Dump Body	6 6	_		0			6 75	83 17 0
229 City of Stor		City	10076		Single axle, flatbed	2 2	1		0			2 50	50 50 0
229 City of Stor		City	10076		Tandem axle, dump body	1 1			0			1 100	50 50 0
229 City of Stor		City	10076		Platform Boom (High-Reach)	1 1			0			1 100	100 0 0
229 City of Stor	rm Lake	City	10076	23	Drum Roller 40–67"	1 1			0			1 75	50 50 0
229 City of Stor	rm Lake	City	10076		Wheel Loader 2 cy +	2 2			0			2 100	50 50 0
229 City of Stor		City	10076		Mowing Tractor 45-65 HP	1 1		\vdash	0			1	0 100 0
229 City of Stor		City	10076		Tractor Loader-Backhoe	2 2	_		0			2 100	50 50 0
229 City of Stor		City	10076		Sweeper, 4 Wheel Air	1 1	-	 	0		+	1 75	100 0 0
229 City of Stor		City	10076 10076		Motor grader, 135 HP or less	1 1	_	 	0			1 100 1 100	63 37 0 50 50 0
229 City of Stor 229 City of Stor	rm I ake	City	10076		Breaker Pavement, Attachment Brush Chipper	1 1			0		+ + + -	1 100	100 0 0
229 City of Stor		City	10076	104	Compressor, Air 125-200	1 1			n			1 100	50 50 0
229 City of Stor		City	10076	116	Kettle, Bitumen Heater	1 1			0			1 100	50 50 0
229 City of Stor	rm Lake	City	10076		Marker, Centerline Paint	1 1			ő			1 75	50 50 0
229 City of Stor	rm Lake	City	10076	130	Saw, Concrete	1 1			0			1 75	100 0 0
229 City of Stor		City	10076		Sewer Jet	1 1			0			1 100	100 0 0
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	Entity	Type	Pop. 10076	Line	Type of Equipment	/**/**/	* '/ *'.	<u> </u>	4, /	** / **	/** /	4º / 1º	25	100 0	0
	City of Storm Lake City of Carroll	City	10106		Snow Blower, Attachment Single Axle, Dump Body	6 6			0			6	23	100 0	0
112	City of Carroll	City	10106	3	Single axle, van body	1 1			0			1		100 0	0
		City	10106		Drum Roller 40–67"	1 1			0			1		100 0	0
112	City of Carroll City of Carroll	City	10106 10106	33	Wheel Loader 2 cy + Mowing Tractor 45-65 HP	1 1			0			1		100 0 100 0	0
		City	10106		Tractor Loader-Backhoe	1 1			0			1		100 0	0
112	City of Carroll	City	10106	39	Sweeper, 3 Wheel Mechanical	1 1			0			1		100 0	0
112		City	10106		Motor grader, 135 HP or less	1 1			0			1		100 0	0
	City of Carroll City of Carroll	City	10106 10106		Skid Steer Loader, Wheel or Track Breaker Pavement, Attachment	1 1			0			1		100 0 100 0	0
	City of Carroll	City	10106		Compressor, Air 200+	1 1	<u> </u>		0			1		100 0	0
112	City of Carroll	City	10106	112	Filler, Crack	1 1			0			1		100 0	0
	City of Carroll	City	10106		Saw, Concrete	1 1			0			1		100 0	0
112		City	10106 10106		Sewer Jet Vacuum (Combination) Snow Blower, Attachment	2 2	-		0		+ +	1 2		100 0 100 0	0
		City	10106		Washer, Hi-Power Water	1 1			0			1		100 0	0
240	City of Altoona	City	10345	1	Single Axle, Dump Body	4 4			0			4	100	63 37	0
240		City	10345		Tandem axle, dump body	1 1		4	0			1	100	63 37 100 0	0
		City	10345 10345		Platform Boom (High-Reach) Semi-Tractor	2	1	2	0		+ +	2	100	100 0	0
240	City of Altoona	City	10345	32	Wheel Loader 2 cy or less	2 2			0			2	100	100 0	0
240	City of Altoona	City	10345		Mowing Tractor <45 HP	3	3		0			3	75	100 0	0
		City	10345 10345		Mowing Tractor 65+ HP Tractor Loader-Backhoe	1 1			0			1	75 100	100 0 0 100	0
		City	10345		Sweeper, 4 Wheel Air	1 1			0			1	100	0 100 100 0	0
240	City of Altoona	City	10345	48	Motor grader, 135 HP or less	1 1			0			1	100	100 0	0
		City	10345		Skid Steer Loader, Wheel or Track	1 1			0			1	100	25 75	0
		City	10345 10345		Breaker Pavement, Attachment Brush Chipper	1	1		0			1	100 75	25 75 100 0	0
		City	10345	105	Compressor, Air 125-200	1	1		0			1		63 37	0
240	City of Altoona	City	10345	108	Cutter, Stump	1	1		0			1	100	100 0	0
		City	10345		Drill, Vertical	1	1		0			1	100	100 0	0
240		City	10345 10345		Filler, Crack Kettle, Bitumen Heater	1	1		0			1	100	100 0 100 0	0
		City	10345	122	Marker, Centerline Paint	1	1		0			1		100 0	0
240	City of Altoona	City	10345	130	Saw, Concrete	2	2		0			2	50	25 75	0
240		City	10345 10345		Seeder Sewer Jet	1	1		0			1	75 100	50 50 100 0	0
		City	10345		Snow Blower, Attachment	1	1		0			1	50	100 0	0
	City of Altoona	City	10345		Spade, Tree	1	1		0			1	75	0 100	0
240	City of Altoona	City	10345	138	Sprayer, Weed	2	2		0		\perp	2	/5	100 0	0
		City	10345		Sweeper Attachment Tiller Power Rake	1	1		0		1	1	100 75	100 0	0
	City of Altoona City of Altoona	City	10345 10345		Tiller, Power Rake Trailer, Tank, Semi	2		2	0			2	75 100	25 75 100 0	0
127	City of Fort Madison	City	10715		Damaged Disk										
		City	10938 10938		Single Axle, Dump Body	8 3	-	5	0			8	\vdash	100 0	0
	City of Oskaloosa City of Oskaloosa	City	10938		Single axle, flatbed Tandem axle, dump body	3	_	1	0		+ +	3		100 0 100 0	0
		City	10938		Platform Boom (High-Reach)	1	<u> </u>	1	0			1		100 0	0
90	City of Oskaloosa	City	10938	11	Water Truck	1		1	0			1		100 0	0
	City of Oskaloosa City of Oskaloosa	City	10938 10938		Hydraulic wheeled, 2+ cy Drum Roller 40–67"	1	-	1	0		+ +	1	-	100 0 100 0	0
		City	10938		Drum Roller 40–67 Drum Roller 67+"	1		1	0			1		100 0	0
90		City	10938	25	Rubber Tire Roller 7 wheel	1		1	0			1		100 0	0
		City	10938		Loader Crawler 80 HP or less	1 1			0			1		100 0	0
		City	10938 10938	31	Loader Crawler 80+ HP Tractor Loader-Box Blade	1 1	-	2	0		+ +	1 2		100 0 100 0	0
90		City	10938		Sweeper, 4 Wheel Mechanical	1 1			0			1		100 0	0
90	City of Oskaloosa	City	10938	49	Motor grader, >135 HP	2		2	0			2		100 0	0
90	City of Oskaloosa	City	10938 10938	50	Self-Propelled Chip Spreader	1 1	-	1	0			1		100 0 100 0	0
		City	10938		Skid Steer Loader, Wheel or Track Pulverizer	2		2	0			2		100 0	0
90	City of Oskaloosa	City	10938	77	Oil Distributor	2		2	0			2		100 0	0
90	City of Oskaloosa	City	10938		Crack Router	1		1	0			1		100 0	0
	City of Oskaloosa	City	10938		Cimceal Applicator Brush Chipper	1		1	0			1	\vdash	100 0 100 0	0
		City	10000												U
	City of Oskaloosa	City	10938 10938	104	Compressor, Air 125-200	1 1			0			1			0
90 90	City of Oskaloosa City of Oskaloosa City of Oskaloosa	City City City	10938 10938	105 122	Compressor, Air 125-200 Marker, Centerline Paint	1 1			0			1		100 0 100 0	0
90 90 90	City of Oskaloosa City of Oskaloosa City of Oskaloosa City of Oskaloosa	City	10938	105 122 136	Compressor, Air 125-200	1 1		1	0			1		100 0	

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	Entity City of Oskaloosa	Type	Pop. 10938	Line	Type of Equipment Washer, Hi-Power Water	/ * / * ·	/ * / *	*	/ 4 /	*. / *.	/ *·	/ * · · ·	/ 4 /	1	10	000	0.
	City of Spencer	City	11317	140	Damaged Disk	 ' '				- 0					- 10	0	
163	City of Keokuk	City	11427	1	Single Axle, Dump Body	8 8				0				8	10		0
	City of Keokuk	City	11427	2	Single axle, flatbed	1 1				0				1	10		0
163	City of Keokuk City of Keokuk	City	11427 11427	10	Tandem axle, dump body Truck-Mounted Bitumen Distrubutor	1 1				0				1	10		0
	City of Keokuk	City	11427	11	Water Truck	1 1				0				1	10		0
	City of Keokuk	City	11427		Hydraulic crawler, <1 cy	1 1	_			0				1	10		0
	City of Keokuk City of Keokuk	City	11427 11427		Drum Roller 40–67" Rubber Tire Roller 9 wheel	1 1				0				1	10		0
	City of Keokuk	City	11427		Wheel Loader 2 cy or less	1 1				0				1	10		0
163	City of Keokuk	City	11427	37	Tractor Loader-Backhoe	1 1				0				1	10	0 0	0
	City of Keokuk	City	11427		Sweeper, 4 Wheel Air	1 1				0	1			1	10		0
	City of Keokuk City of Keokuk	City	11427 11427		Motor grader, 135 HP or less Skid Steer Loader, Wheel or Track	2 2	1	+		0	1			1	10	0 0	0
	City of Keokuk	City	11427	105	Compressor, Air 125-200	2 2	-			0	1			2	10		0
163	City of Keokuk	City	11427	109	Distributor Bitumen, Slip-in or Trailer	1 1				0				1	10	0 0	0
	City of Keekuk	City	11427	112	Filler, Crack	1 1				0	1			1	10		0
163	City of Keokuk City of Keokuk	City	11427 11427	116	Kettle, Bitumen Heater Saw, Concrete	1	1	1 1		0	+			1	10		0
	City of Keokuk	City	11427		Sewer Jet	1		1		0				1	10		0
163	City of Keokuk	City	11427		Sewer Jet Vacuum (Combination)	1		1		0				1	10	0 0	0
163	City of Keokuk City of Keokuk	City	11427 11427	136	Snow Blower, Attachment Washer, Hi-Power Water	1 1	1			0				1	10		0
	City of Boone	City	12803		Single Axle, Dump Body	7 7				0				7	10 62	5 37.5	0
160	City of Boone	City	12803	33	Wheel Loader 2 cy +	2 2				0				2	5	0 50	0
	City of Boone	City	12803		Mowing Tractor <45 HP	2 2				0				2	10		0
	City of Boone	City	12803 12803		Tractor Loader-Backhoe Tractor Loader-Box Blade	1 1				0				1	10		0
	City of Boone City of Boone	City	12803		Sweeper, 4 Wheel Air	1 1				0				1	10		0
160	City of Boone	City	12803	49	Motor grader, >135 HP	3 3				0				3	10	0 0	0
	City of Boone	City	12803	53	Skid Steer Loader, Wheel or Track	1 1				0				1	10		0
	City of Boone City of Boone	City	12803 12803		Breaker Pavement, Attachment Compressor, Air 125-200	1 1				0				1	10		0
160	City of Boone	City	12803		Sewer Jet Vacuum (Combination)	1 1				0				1	10		0
160	City of Boone	City	12803	136	Snow Blower, Attachment	1 1				0				1	10		0
	City of Clive City of Clive	City	12855 12855		Single Axle, Dump Body Platform Boom (High-Reach)	6		6		0				6	100 10		0
	City of Clive	City	12855	33	Wheel Loader 2 cy +	1 1		-		0				1	100 10		0
244	City of Clive	City	12855	35	Mowing Tractor 45-65 HP	1 1				0				1	75 10	0 0	0
	City of Clive	City	12855		Tractor Loader-Backhoe	2 2				0				2	100 10		0
	City of Clive City of Clive	City	12855 12855		Tractor Loader-Box Blade Sweeper, 4 Wheel Air	1 1				0				1	100 10		0
	City of Clive	City	12855		Motor grader, >135 HP	1 1				0				1	100 10		0
244	City of Clive	City	12855	65	Pickups	9 6		3		0				9	100 10	0 0	0
	City of Clive City of Clive	City	12855 12855	102	Breaker Pavement, Attachment Brush Chipper	2 2		-		0	+			2	100 10 75 10		0
	City of Clive	City	12855	104	Compressor, Air 125-200	1 1		1		0	1			1	100 10		0
244	City of Clive	City	12855	112	Filler, Crack	2	2			0				2	0	0 0	0
244	City of Clive	City	12855	122	Marker, Centerline Paint	1 1		1		0	1			1	50 10		0
	City of Clive City of Clive	City	12855 12855		Saw, Concrete Trailer, Van	1 1		+		0	1			1	75 10 75 10		0
	City of Clive	City	12855		Washer, Hi-Power Water	1 1				0	1			1	100 10		0
244	City of Clive	City	12855	209	Sewer Jet-Vac combination	1 1				0				1	100 10	0 0	0
	City of Clive	City	12855 12855	210	Sewer TV inspection unit Van	1 1		1		0	1			1	100 10		0
	City of Clive City of Clive	City	12855 12855		Van Sewer easement machine	1 1		+		0	+			1	100 10		0
244	City of Clive	City	12855	213	Shoring	1	1			0				1	100 10	0 0	0
244	City of Clive	City	12855	214	Screed, concrete	1	1			0				1	75 10		0
	City of Clive City of Indianola	City	12855 12998		Vibratory plate compactor/hydraulic Single Axle, Dump Body	1 1		-	5	0	-			5	100 10		0
10	City of Indianola City of Indianola	City	12998		Single axle, flatbed	1		1	1	0	1			1	10		0
10	City of Indianola	City	12998	4	Tandem axle, dump body	1			1	0				1	10	0 0	0
10	City of Indianola	City	12998	8	Fully Equipped Paint Truck	1			1	0	1			1	10		0
	City of Indianola City of Indianola	City	12998 12998		Asphalt, Main Screed > 10 ft. Drum Roller 40–67"	1		+	1	0	1			1	10		0
	City of Indianola	City	12998		Wheel Loader 2 cy +	1			1	0	1			1	10		0
10	City of Indianola	City	12998	37	Tractor Loader-Backhoe	2			2	0				2	10	0 0	0
	City of Indianola	City	12998 12998		Sweeper, 3 Wheel Mechanical	2		1	2	0	1			2	10		0
	City of Indianola City of Indianola	City	12998		Motor grader, 135 HP or less Motor grader, >135 HP	1		+	1	0	+			1	10		0
10	Oity of malarible	Oity	12330	49	motor gradel, < 100 HF	- "				U		1 1				0 0	J

					Type of Equipment Continue C
					Type of Equipment Skid Steer Loader, Wheel or Track 1 1 0 0 1 1 100 0 0
					\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
				Equip.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
ID	Entity	Туре	Pop.	Line	Type of Equipment Skid Steer Loader, Wheel or Track 1 100 0 0
10	City of Indianola	City	12998		Skid Steer Loader, Wheel or Track
	City of Indianola	City	12998	102	Breaker Pavement, Attachment 2 2 0 2 100 0
	City of Indianola	City	12998		Compressor, Air 200+ 1 1 0 1 100 0 0
10	City of Indianola	City	12998		Filler, Crack
	City of Indianola	City	12998	113	Grapple Attachment, Loader 1 1 0 1 100 0 0
	City of Indianola	City	12998		Heater, Pre-Mix 1 1 0 1 100 0
	City of Indianola	City	12998	11/	Machine, Asphalt Patcher 1 1 10 0 0 Saw Concrete 6 6 0 6 100 0
	City of Indianola	City	12998		
	City of Indianola City of Indianola	City	12998 12998		Snow Blower, Attachment 1 1 0 0 0 Trailer, Low Bed 15 Ton 1 1 0 1 100 0
	City of Indianola	City	12998		Washer, Hi-Power Water 1 1 1 0 1 1 100 0 0
	City of Muscatine	City	22697		Single Axle, Dump Body
	City of Muscatine	City	22697		Single axle, flatbed 6 6 0 0 6 71 29 0
106	City of Muscatine	City	22697	4	Tandem axle, dump body 2 2 0 0 2 63 37 0
106	City of Muscatine	City	22697		Truck-Mounted Bitumen Distrubutor 1 1 0 1 100 0
	City of Muscatine	City	22697	23	Drum Roller 40–67" 1 1 0 1 100 0
	City of Muscatine	City	22697		Rubber Tire Roller 9 wheel 1 1 1 0 1 1 100 0 0 0
	City of Muscatine	City	22697 22697	33	Wheel Loader 2 cy + 2 2 0 2 63 37 0 Tractor Loader-Backhoe 1 1 0 1 100 0 0
	City of Muscatine City of Muscatine	City	22697		
106	City of Muscatine City of Muscatine	City	22697	48	Sweepler, 4 Writer 2 2 0 2 0.5 37 0 0 0 0 0 0 0 0 0
	City of Muscatine	City	22697		Skid Steer Loader, Wheel or Track
106	City of Muscatine	City	22697		Pickups 3 3 0 3 73 27 0
106	City of Muscatine	City	22697	102	Breaker Pavement, Attachment 2 2 0 2 63 37 0
	City of Muscatine	City	22697		Broom, Attachment 1 1 0 1 100 0 0
106	City of Muscatine	City	22697	104	Brush Chipper 1 1 1 0 1 100 0 0
	City of Muscatine	City	22697		Compressor, Air 125-200 3 3 0 3 73 27 0
	City of Muscatine	City	22697		Filler, Crack 1 1 0 1 100 0 0
	City of Muscatine	City	22697		Milling Head 1 1 0 1 1 100 0 0 Saw Concrete 1 1 1 0 0 1 1 100 0 0
	City of Muscatine City of Muscatine	City	22697 22697		Saw, Concrete 1 1 0 1 100 0 Snow Blower, Attachment 2 2 0 2 100 0
	City of Muscatine City of Muscatine	City	22697		Show blower, Audument
	City of Muscatine	City	22697		Leaf Boxes 6 6 6 0 6 100 0 0
	City of Ottumwa	City	24998		Single Axle, Dump Body 8 4 4 0 8 100 0 0
174	City of Ottumwa	City	24998		Platform Boom (High-Reach) 1 1 0 1 100 0
	City of Ottumwa	City	24998		Truck-Mounted Bitumen Distrubutor 1 1 0 1 100 0
	City of Ottumwa	City	24998		Water Truck 1 1 0 1 100 0
174	City of Ottumwa	City	24998	13	Hydraulic wheeled, < 1 cy 1 1 0 1 100 0
	City of Ottumwa	City	24998		Asphalt, Main Screed 10 ft. or less
	City of Ottumwa City of Ottumwa	City	24998 24998		Drum Roller 40–67" 3 3 0 3 100 0 Wheel Loader 2 cy + 1 1 0 1 100 0
174	City of Ottumwa	City	24998		Writed Loader 2.04 + 1 1 0 1 100 0 0 0 0 0
174	City of Ottumwa	City	24998		Sweeper, 3 vines interializar 1 1 1 0 1 1 100 0 0 0 0 0 0 0 0 0 0 0
174	City of Ottumwa	City	24998		Motor grader, 135 HP or less
174	City of Ottumwa	City	24998	49	Motor grader, >135 HP 2 2 0 0 2 100 0 0
174	City of Ottumwa	City	24998	53	Skid Steer Loader, Wheel or Track 1 1 0 1 100 0
174	City of Ottumwa	City	24998		Trencher 1 1 0 1 100 0 0
	City of Ottumwa	City	24998		Street Flusher 1 1 0 1 100 0 Simple AVE / Box Spreader 4 4 100 0 0
174	City of Ottumwa	City	24998 24998		Olligic Axic V Box Opicado:
	City of Ottumwa City of Ottumwa	City	24998 24998		Landall Equipment Trailer 1 1 0 1 100 0 Broom, Attachment 1 1 0 1 100 0
	City of Ottumwa	City	24998		BYOON, ALBCHMENT
	City of Ottumwa	City	24998		Compressor, Air 120-200 2 2 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	City of Ottumwa	City	24998		Machine, Asphalt Patcher
174	City of Ottumwa	City	24998	122	Marker, Centerline Paint 1 1 0 1 1 100 0 0
174	City of Ottumwa	City	24998	124	Milling Head 1 1 1 0 1 1 100 0 0
174	City of Ottumwa	City	24998	130	Saw, Concrete 1 1 1 0 1 1 100 0 0
	City of Ottumwa	City	24998		Snow Blower, Attachment
	City of Ottumwa	City	24998	139	Sweeper Attachment 1 1 0 1 100 0 Single Axle, Dump Body 13 13 0 13 100 0
	City of Fort Dodge City of Fort Dodge	City	25136 25136		Single Axle, Dump Body 13 13 0 13 100 0 Tandem axle, dump body 2 2 0 2 100 0
28	City of Fort Dodge	City	25136		Tandem axie, dump body
	City of Fort Dodge	City	25136		Hotel-modified bilatiness Disabbotion
	City of Fort Dodge	City	25136		Nation Fraction 1 0 1 100 0 1 100 0 0
	City of Fort Dodge	City	25136		Asphalt, Main Screed 10 ft. or less 1 1 1 0 1 1 100 0 0
28	City of Fort Dodge	City	25136	23	Drum Roller 40–67" 1 1 0 1 100 0
28	City of Fort Dodge	City	25136	26	Rubber Tire Roller 9 wheel 1 1 1 0 1
	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 3 100 0 0 3 100 0
28	City of Fort Dodge	City	25136	39	Sweeper, 3 Wheel Mechanical 1 1 0 1 100 0 Sweeper, 4 Wheel Air street 4 4 0 4 4 0
28	City of Fort Dodge	City	25136	41	Sweeper, 4 Wheel Air 1 0 1 100 0 0

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					Type of Equipment Dozer, 150-300 HP Dozer, 150-300 HP	/ /
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ID	Entity	Туре	Pop.	Line	Type of Equipment Type of Equipment 1 1 100 0	Strict See
28	City of Fort Dodge	City	25136		Dozer, 150-300 HP	0 0
28	City of Fort Dodge	City	25136		Motor grader, >135 HP 2 2 0 2 100 0	0 0
	City of Fort Dodge	City	25136		Skid Ster Loader, Wheel or Track 1 1 0 1 1 100 0	0
28	City of Fort Dodge	City	25136	102	2 Breaker Pavement, Attachment 2 2 0 0 2 100 0	0
	City of Fort Dodge	City	25136	103	B Broom, Attachment 1 1 1 0 1 1 100 0	
	City of Fort Dodge	City	25136		5 Compressor, Air 125-200 2 2 0 2 100 0	0
	City of Fort Dodge	City	25136	112	Filler, Crack	
	City of Fort Dodge	City	25136		Grapple Attachment, Loader	
	City of Fort Dodge	City	25136	117	Machine, Asphalt Patcher	
	City of Fort Dodge City of Fort Dodge	City	25136 25136		Marker, Centerline Paint	0 0
	City of Fort Dodge City of Fort Dodge	City	25136		Saw	
	City of Fort Dodge City of Fort Dodge	City	25136		Snow Blowdruth (Attachment	
	City of Fort Dodge	City	25136	139	Sweeper Attachment	
	City of Fort Dodge	City	25136		1 0 1 100 0 1 100 0 1 1	
	City of Fort Dodge	City	25136		S Washer, Hi-Power Water 1 1 1 0 0 1 1 100 0	0
191	City of Marshalltown	City	26009	1	Single Axle, Dump Body	
191	City of Marshalltown	City	26009	2	2 Single axle, flatbed 4 4 0 4 100 100 0	
191	City of Marshalltown	City	26009		Tandem axle, dump body 1 1 0 1 25 100 0	, ,
191	City of Marshalltown	City	26009		Fully Equipped Paint Truck	
191	City of Marshalltown	City	26009	9	Platform Boom (High-Reach)	
	City of Marshalltown	City	26009			
191	City of Marshalltown	City	26009	19	Aspiralit, Main ociced to it. or icss	
	City of Marshalltown	City	26009 26009		5 5 6 7 6 6 7 6 7 7 6 7 7 7 7 7 7 7 7 7	
	City of Marshalltown City of Marshalltown	City	26009		Loader Crawler 80 HP or less	
	City of Marshalltown	City	26009		Wiles Loader 2 cy or less	
191	City of Marshalltown	City	26009		Sweeper, 3 Wheel Mechanical	
	City of Marshalltown	City	26009		Motor grader, 135 HP or less 3 3 0 3 58.3 86 14	
	City of Marshalltown	City	26009		Skid Ster Loader, Wheel or Track 1 1 0 1 1 100 100	0
	City of Marshalltown	City	26009		Brush Chipper 1 1 1 0 1 50 100 0	0
	City of Marshalltown	City	26009	105	Compressor, Air 125-200 1 1 1 0 1 75 100 0	
	City of Marshalltown	City	26009		Distributor Bitumen, Slip-in or Trailer	
191	City of Marshalltown	City	26009	114	Heater, Pre-Mix 1 1 0 1 100 100 0	, ,
	City of Marshalltown	City	26009		S Snow Blower, Attachment 2 2 0 0 2 25 100 0 1 75 100 0 1 75 100 0	, ,
191	City of Marshalltown City of Marshalltown	City	26009 26009		Trailer, Low Bed 15 Ton	0 0
	City of Marion	City	26294		Haller, LOW Bod Sellin	
	City of Marion	City	26294		Single Axie, fatbed 3 3 3 0 3 100 95 5	
	City of Marion	City	26294		Tandem axle, dump body 3 3 0 3 100 95 5	
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	5 Hydraulic wheeled, 2+ cy 1 1 0 1 1 100 90 10	
119	City of Marion	City	26294	20	Asphalt, Main Screed > 10 ft. 1 1 0 1 25 90 10	
	City of Marion	City	26294		3 Drum Roller 40–67" 1 1 0 1 25 90 10	
	City of Marion	City	26294		Rubber Tire Roller 9 wheel 1 1 1 0 1 25 90 10	
119	City of Marion	City	26294		Wheel Loader 2 cy + 2 2 0 2 100 99 1	
	City of Marion	City	26294 26294		Mowing Tractor <45 HP	
119	City of Marion City of Marion	City	26294		Tractor Loader-Backhoe	0
	City of Marion	City	26294		Sweeper 3 Wheel Air	
119	City of Marion	City	26294		Weedpen Weed	
	City of Marion	City	26294		Skid Steer Loader, Wheel or Track 2 2 0 2 100 90 10	
119	City of Marion	City	26294	102	2 Breaker Pavement, Attachment 1 1 1 0 1 1 50 95 5	0
119	City of Marion	City	26294		B Broom, Attachment 1 1 1 0 1 1 75 99 1	
119	City of Marion	City	26294	104	Brush Chipper 2 2 0 2 75 100 0	
	City of Marion	City	26294	105	5 Compressor, Air 125-200 2 1 1 0 2 75 90 10	
119	City of Marion	City	26294	112	2 Filler, Crack 1 1 1 0 1 1 50 100 0	
119	City of Marion	City	26294		Milling Head 1 1 0 1 75 100 0	, ,
119	City of Marion	City	26294		Saw, Concrete	
119	City of Marion	City	26294		Contract Vacadin (Combination)	, ,
119	City of Marion City of Marion	City	26294 26294		Some Blower, Attachment	
107	City of Mahon City of Ankeny	City	27117		Single Akle, Dump Body	, ,
	City of Ankeny	City	27117		Single Park, dump body	
	City of Ankeny	City	27117		Wheel Loader 2 cy + 3 3 0 3 100 75 25	
107	City of Ankeny	City	27117		Mowing Tractor 65+ HP 1 1 1 0 1100 100 0	
107	City of Ankeny	City	27117	41	Sweeper, 4 Wheel Air 2 2 0 0 2 100 100 0	0
107	City of Ankeny	City	27117	48	Motor grader, 135 HP or less 1 1 1 0 1 1 100 100 0	0
107	City of Ankeny	City	27117	53	3 Skid Steer Loader, Wheel or Track 1 1 1 0 1 1 100 75 25	
	City of Ankeny	City	27117	104	Brush Chipper 1 1 1 0 1 1 100 100 0	0
107	City of Ankeny	City	27117	105	5 Compressor, Air 125-200 1 1 1 0 100 0	0

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ID Entity	Туре	Pop.	Line Type of Equipment	*Oured *	office Sid		Her Jeech	Jened Will	*70,	Lett Mail	BO THE PROPERTY OF THE PROPERT	Jode Logar	/o/o/	Se Main	on Order
107 City of Ankeny	City	27117	112 Filler, Crack	1	1			0				1	100	100	0 0
107 City of Ankeny	City	27117	130 Saw, Concrete	1	1			0				1	100	0	100 0
107 City of Ankeny	City	27117 27772	146 Washer, Hi-Power Water		2			0				13	100	100 75	0 0 25 0
177 City of Clinton 177 City of Clinton	City	27772	1 Single Axle, Dump Body 4 Tandem axle, dump body		1			0				13		80	25 0 20 0
177 City of Clinton	City	27772	15 Hydraulic wheeled, 2+ cy	1	İ		1	0				1		90	10 0
177 City of Clinton	City	27772	29 Integrated Tool Carrier	3			3	0				3		80	20 0
177 City of Clinton	City	27772	35 Mowing Tractor 45-65 HP	1			1	0				1		100	0 0
177 City of Clinton 177 City of Clinton	City	27772 27772	36 Mowing Tractor 65+ HP 39 Sweeper, 3 Wheel Mechanical	1	2		1	0				1 2		100 100	0 0
177 City of Clinton	City	27772	48 Motor grader, 135 HP or less	1	1			0				1		80	20 0
177 City of Clinton	City	27772	49 Motor grader, >135 HP	1			1	0				1		80	20 0
177 City of Clinton	City	27772	53 Skid Steer Loader, Wheel or Track	1			1	0	\perp		$\perp \Box$	1		80	20 0
177 City of Clinton	City	27772	104 Brush Chipper	- ' '	1			0	1	-		1		85	15 0 20 0
177 City of Clinton 177 City of Clinton	City	27772 27772	105 Compressor, Air 125-200 112 Filler, Crack		1			0	+	1		1		80 90	10 0
177 City of Clinton	City	27772	114 Heater, Pre-Mix		1			0	1			1		90	10 0
177 City of Clinton	City	27772	136 Snow Blower, Attachment	1	1			0				1		100	0 0
177 City of Clinton	City	27772	146 Washer, Hi-Power Water	1	1			0		1	$oxed{oxed}$	1	Ţ	100	0 0
186 City of Urbandale 109 City of Bettendorf	City	29072 31275	0 Not Applicable 1 Single Axle, Dump Body	12	12		_	0	1	1		0 12	75	100	0 0
109 City of Bettendorf 109 City of Bettendorf	City	31275	4 Tandem axle, dump body	12	4			0				12	75	100	0 0
109 City of Bettendorf	City	31275	11 Water Truck	1	1			0				1	75	100	0 0
109 City of Bettendorf	City	31275	26 Rubber Tire Roller 9 wheel	1	1			0				1	50	100	0 0
109 City of Bettendorf	City	31275	33 Wheel Loader 2 cy +	1	1			0				1 2	100	100	0 0
109 City of Bettendorf 109 City of Bettendorf	City City	31275 31275	37 Tractor Loader-Backhoe 38 Tractor Loader-Box Blade	1	2			0				1	100 50	100 100	0 0
109 City of Bettendorf	City	31275	41 Sweeper, 4 Wheel Air	2	2			0				2	75	100	0 0
109 City of Bettendorf	City	31275	48 Motor grader, 135 HP or less	2	2			0				2			
109 City of Bettendorf	City	31275	84 Bo-Mag Road Reclaimer-Scarifier	1	1			0				1	50	100	0 0
109 City of Bettendorf	City	31275	105 Compressor, Air 125-200	1	1			0				1	75	100	0 0
109 City of Bettendorf 109 City of Bettendorf	City	31275 31275	112 Filler, Crack 130 Saw, Concrete	1	1			0				1			_
109 City of Bettendorf	City	31275	133 Sewer Jet Vacuum (Combination)	1	1			0				1			
142 West Des Moines	City	46403	1 Single Axle, Dump Body	10	2	8		0				10	100	100	0 0
142 West Des Moines	City	46403	4 Tandem axle, dump body	4		4		0				4	100	100	0 0
142 West Des Moines 142 West Des Moines	City	46403 46403	8 Fully Equipped Paint Truck 9 Platform Boom (High-Reach)	1	1			0				1	100 100	100 100	0 0
142 West Des Moines	City	46403	33 Wheel Loader 2 cy +		2			0				2	100	100	0 0
142 West Des Moines	City	46403	35 Mowing Tractor 45-65 HP		2			0				2	100	100	0 0
142 West Des Moines	City	46403	36 Mowing Tractor 65+ HP	- ' '	2			0				1	100	100	0 0
142 West Des Moines 142 West Des Moines	City	46403 46403	37 Tractor Loader-Backhoe 39 Sweeper, 3 Wheel Mechanical	1	1			0				1	100 100	100 100	0 0
142 West Des Moines 142 West Des Moines	City	46403	41 Sweeper, 4 Wheel Air	1	1			0	1	†		1	100	100	0 0
142 West Des Moines	City	46403	49 Motor grader, >135 HP	- ' '	1			0				1	100	100	0 0
142 West Des Moines	City	46403	53 Skid Steer Loader, Wheel or Track		1			0		ļ		1	100	100	0 0
142 West Des Moines 142 West Des Moines	City	46403 46403	102 Breaker Pavement, Attachment 104 Brush Chipper	1 2	2		+ +	0	+	1	$\vdash \vdash \vdash$	1	100	100	0 0
142 West Des Moines 142 West Des Moines	City	46403	105 Compressor, Air 125-200	3		3		0	1			3	100	100	0 0
142 West Des Moines	City	46403	112 Filler, Crack	1	1			0				1	100	100	0 0
142 West Des Moines	City	46403	114 Heater, Pre-Mix	1		1		0		ļ		1	100	100	0 0
142 West Des Moines 142 West Des Moines	City	46403 46403	130 Saw, Concrete 133 Sewer Jet Vacuum (Combination)	2	1		_	0	-	-		1	100 100	100 100	0 0
142 West Des Moines 142 West Des Moines	City	46403	133 Sewer Jet Vacuum (Combination) 136 Snow Blower, Attachment		1			0	1	1		1	100	100	0 0
142 West Des Moines	City	46403	146 Washer, Hi-Power Water	1	1			0				1	100	100	0 0
66 City of Ames	City	50731	1 Single Axle, Dump Body		7			0			\Box	7		90	10 0
66 City of Ames	City	50731	2 Single axle, flatbed		2		_	0	1	1		1 2		100 95	0 0 5 0
66 City of Ames 66 City of Ames	City	50731 50731	4 Tandem axle, dump body 20 Asphalt, Main Screed > 10 ft.		1			0	+	1		1		100	0 0
66 City of Ames	City	50731	27 Sheep's Foot Roller 40-67"		1			0				1		50	50 0
66 City of Ames	City	50731	33 Wheel Loader 2 cy +		1			0		ļ		1		90	10 0
66 City of Ames	City	50731	36 Mowing Tractor 65+ HP		1			0	1	1		1		95	5 0
66 City of Ames 66 City of Ames	City	50731 50731	37 Tractor Loader-Backhoe 41 Sweeper, 4 Wheel Air		1			0	1	1		1		100	0 0
66 City of Ames	City	50731	48 Motor grader, 135 HP or less		1			0	1	1		1		95	5 0
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 Skid Steer Loader, Wheel or Track	1	1			0		1	$oxed{oxed}$	1	Ţ	95	5 0
66 City of Ames 66 City of Ames	City City	50731 50731	102 Breaker Pavement, Attachment 104 Brush Chipper		2			0	1	-	-	2		95 100	5 0 0 0
66 City of Ames	City	50731	104 Brush Chipper 105 Compressor, Air 125-200		2		+	0	+	†		2		98	2 0
66 City of Ames	City	50731	112 Filler, Crack	1	1			0	L			1		100	0 0
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ID	Entity	Туре	Pop.	Equip. Line	Type of Equipment Continue C
66	City of Ames	City	50731		Marker, Centerline Paint 1 1 1 0 1 95 5 0
	City of Ames	City	50731	123	Miller, Asphalt Spreader
66	City of Ames	City	50731	130	Saw, Concrete 1 1 1 0 1 98 2 0
	City of Ames	City	50731		Sewer Jet 1 1 0 1 100 0 0
	City of Ames City of Ames	City	50731 50731	135	Signal, Speed Sensing Trailer Mtd. 1 1 0 1 90 10 0 Snow Blower, Attachment 1 1 0 1 100 0
	City of Dubuque	City	57686		Single Akle, Dump Body 11 11 0 0 111 100 100 0 0
	City of Dubuque	City	57686		Single axle, flatbed 5 5 0 5 100 100 0 0
246	City of Dubuque	City	57686		Single axle, van body 1 1 0 1 100 10 0
	City of Dubuque	City	57686		Tandem axle, dump body 7 7 0 7 64 100 0 0 Platform Bonn (High-Reach) 1 1 0 0 1 1 100 100 0 0
246	City of Dubuque City of Dubuque	City	57686 57686		Platform Boom (High-Reach) 1 1 0 1 100 10 0 Truck-Mounted Bitumen Distrubutor 1 1 0 1 75 100 0 0
	City of Dubuque	City	57686		Huse-wounded bitariest Disabbotion
246	City of Dubuque	City	57686	19	Asphalt, Main Screed 10 ft. or less 1 1 1 0 1 25 100 0 0
246	City of Dubuque	City	57686	20	Asphalt, Main Screed > 10 ft. 1 1 0 1 75 67 33 0
	City of Dubuque	City	57686	23	Drum Roller 40-67" 3 3 0 3 75 100 0 Rubber Tire Roller 7 wheel 1 1 0 1 25 100 0 0
	City of Dubuque City of Dubuque	City	57686 57686		Rubber Tire Roller 7 wheel 1 1 0 1 25 100 0 Wheel Loader 2 cy + 3 3 0 3 75 100 0
	City of Dubuque City of Dubuque	City	57686		vVneu Loader 2 (y + 3) 3 0 3 / 2 100 0 0 Mowing Tractor 45-65 HP 1 1 0 1 50 100 0 0
	City of Dubuque	City	57686		Sweeper, 3 Wheel Mechanical 2 2 0 2 75 100 0
246	City of Dubuque	City	57686	41	Sweeper, 4 Wheel Air 1 1 0 1 75 100 0
246	City of Dubuque	City	57686	49	Motor grader, >135 HP 3 3 0 3 50 100 0 0 Skid Steer Loader Wheel or Track 1 1 0 1 1 100 100 0
246	City of Dubuque City of Dubuque	City	57686 57686		Skid Steer Loader, Wheel or Track 1 1 0 1 100 10 0 Breaker Pavement, Attachment 2 2 0 2 38 100 0
	City of Dubuque	City	57686	102	Dietaker Paverlieft, Atlastantein
	City of Dubuque	City	57686		Compressor, Air 125-200 4 4 4 0 0 4 81 100 0 0
246	City of Dubuque	City	57686		Cutter, Stump 1 1 0 1 100 10 0
	City of Dubuque	City	57686		Saw, Concrete 2 2 0 2 75 100 0 0
	City of Dubuque City of Dubuque	City	57686 57686		Sewer Jet 1 1 0 1 100 10 0 Sewer Jet Vacuum (Combination) 1 1 0 1 75 100 0 0
246	City of Dubuque	City	57686		Several et vacuum (Ontomaum)
	City of Council Bluffs	City	58268		Single Axle, Dump Body 15 15 0 15 75 53 47 0
114	City of Council Bluffs	City	58268	4	Tandem axle, dump body 1 1 1 0 1 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 0 1 1 75 100 1 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1
	City of Council Bluffs City of Council Bluffs	City	58268 58268	10	Platform Boom (High-Reach) 1 1 0 1 100 10 0 Truck-Mounted Bitumen Distrubutor 1 1 0 1 25 0 100 0
114	City of Council Bluffs	City	58268		Nater Truck
114	City of Council Bluffs	City	58268	20	Asphalt, Main Screed > 10 ft.
	City of Council Bluffs	City	58268	22	Concrete, Main Screed > 10 ft. 1 1 0 1 75 100 0
	City of Council Bluffs	City	58268		Drum Roller 40-67" 1 1 1 1 2 75 0 100 0 Rubber Tire Roller 9 wheel 1 1 0 1 75 0 100 0
114	City of Council Bluffs City of Council Bluffs	City	58268 58268	33	Rubber Tire Roller 9 wheel 1 1 0 1 75 0 100 0 Wheel Loader 2 cy + 2 2 0 2 100 64 36 0
114	City of Council Bluffs	City	58268	35	Villed Loader 2-05 HP
114	City of Council Bluffs	City	58268	37	Tractor Loader-Backhoe 1 1 0 1 100 0 100 0
114	City of Council Bluffs	City	58268	38	Tractor Loader-Box Blade 1 1 0 1 100 100 0
	City of Council Bluffs	City	58268		Sweeper, 3 Wheel Mechanical 2 2 0 2 100 100 0 Sweeper, 4 Wheel Air 1 1 0 1 100 100 0
	City of Council Bluffs City of Council Bluffs	City	58268 58268		Sweeper, 4 Wheel Air 1 1 0 1 100 10 0 0 Motor grader, >135 HP 4 4 1 1 5 85 82 18 0
	City of Council Bluffs	City	58268		
114	City of Council Bluffs	City	58268	53	Skid Steer Loader, Wheel or Track 1 1 0 1 100 0 100 0
	City of Council Bluffs	City	58268		Single Axie Custom Body 5 5 0 5 100 85 15 0
	City of Council Bluffs City of Council Bluffs	City	58268 58268		Breaker Pavement, Attachment 1 1 0 1 Broom, Attachment 1 1 0 1
	City of Council Bluffs	City	58268	103	DIOUII, ALBOUTINETS 1 0 1 1 0 0 0 0 0 0
	City of Council Bluffs	City	58268	105	Compressor, Air 125-200 1 1 1 0 1 100 0 100 0
114	City of Council Bluffs	City	58268	124	Milling Head 1 1 1 0 1 1 100 0 100 0
	City of Council Bluffs	City	58268	130	Saw, Concrete
	City of Council Bluffs City of Council Bluffs	City	58268 58268		Snow Blower, Attachment 1 1 0 1 25 100 0 0 Trailer, Low Bed 15 Ton 1 1 0 1 100 0 100 0
114	City of Council Bluffs	City	58268		Trail Gate Rollers 4 4 0 4 25 100 0 0 0
	City of University Heights	City	63027	0	Not Applicable 0 0 0 0
94	City of Iowa City	City	63027	1	Single Axle, Dump Body 11 11 0 110 0 0 0
	City of Iowa City	City	63027		Single axle, flatbed 2 2 0 2 100 0 0 0 0 0 0 0 0
	City of Iowa City City of Iowa City	City	63027 63027		Water Truck 1 1 0 1 100 0 Drum Roller 40-67" 1 1 0 1 100 0
94	City of Iowa City City of Iowa City	City	63027		Drum Rollet 40-07
	City of Iowa City	City	63027		Tractor Loader-Backhoe
	City of Iowa City	City	63027	39	Sweeper, 3 Wheel Mechanical 2 2 0 2 100 0
94	City of Iowa City	City	63027		Motor grader, 135 HP or less 1 1 0 1 100 0
94 94			63027 63027 63027	53	Motor grader, 135 HP or less

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							100/0	10. Co.	500 /5	°/. /	Lette /	Str. You	Jorge /	Mule /	Tall Light Jak
				Equip.		Inec /	THO SOL	isting it	6 / Sept.	/ 50° / 5	8 /8		268" /3#)	
ID	Entity	Туре	Pop.	Line	Type of Equipment	*Onleg /*	String St	15 15 15 15 15 15 15 15 15 15 15 15 15 1	*	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	*\0,	ASECT FOR	V9/2	000 000	REAL PROPERTY OF A STATE OF A STA
94	City of Iowa City	City	63027		1-Ton Flatbed	2	2 1			0			2	100	0 0
	City of Iowa City	City	63027		Broom, Attachment	2	2			0			2	100	0 0
	City of Iowa City	City	63027	105	Compressor, Air 125-200	3	3			0			3	100	0 0
	City of Iowa City	City	63027	112	Filler, Crack	1	1			0			1	100	0 0
	City of Iowa City	City	63027		Pump, Mud Paddle/Colloidal		1			0			1	100	0 0
	City of Waterloo, Iowa	City	68747		Single Axle, Dump Body	30 3				0			30	100	0 0
	City of Waterloo, Iowa	City	68747		Single axle, flatbed	5	5			0			5	100	0 0
	City of Waterloo, Iowa	City	68747 68747		Single axle, van body		5			0			5	100	0 0
	City of Waterloo, Iowa City of Waterloo, Iowa	City	68747		Tandem axle, dump body Tandem axle, flatbed	5	2			0			2	100 100	0 0
	City of Waterloo, Iowa	City	68747	9	Platform Boom (High-Reach)		3	1		0			4	100	0 0
	City of Waterloo, Iowa	City	68747		Truck-Mounted Bitumen Distrubutor	1	1			0			1	100	0 0
227	City of Waterloo, Iowa	City	68747	12	Semi-Tractor	1	1			0			1	100	
227	City of Waterloo, Iowa	City	68747	22	Concrete, Main Screed > 10 ft.	2	2			0			2	100	0 0
227	City of Waterloo, Iowa	City	68747		Drum Roller 40–67"		2			0			2	100	0 0
	City of Waterloo, Iowa	City	68747		Drum Roller 67+"	1	1			0			1	100	0 0
	City of Waterloo, Iowa	City	68747		Rubber Tire Roller 9 wheel	1	1	1		0	1 -		1	100	0 0
	City of Waterloo, Iowa	City	68747 68747		Integrated Tool Carrier	0	+	1		2	2		2	100 100	0 0
	City of Waterloo, Iowa City of Waterloo, Iowa	City	68747		Wheel Loader 2 cy + Mowing Tractor <45 HP	0	+	1 -		5	5		5	100	0 0
227	City of Waterloo, Iowa	City	68747		Mowing Tractor 45 TP	0				2	2		2	100	0 0
	City of Waterloo, Iowa	City	68747		Tractor Loader-Backhoe	0				2	2		2	100	0 0
227	City of Waterloo, Iowa	City	68747	39	Sweeper, 3 Wheel Mechanical		4			0			4	100	0 0
	City of Waterloo, Iowa	City	68747	40	Sweeper, 4 Wheel Mechanical	1	1			0			1	100	0 0
	City of Waterloo, Iowa	City	68747		Motor grader, >135 HP	1	1			6	6		7	100	0 0
	City of Waterloo, Iowa	City	68747		Self-Propelled Chip Spreader	- '	1			0			1	100	0 0
	City of Waterloo, Iowa	City	68747		Skid Steer Loader, Wheel or Track	0				2	2		2	100	0 0
227	City of Waterloo, Iowa	City	68747		Bo-Mag Road Reclaimer-Scarifier	1	1			0			1	100	0 0
	City of Waterloo, Iowa	City	68747		Breaker Pavement, Attachment	2	2			0			2	100	0 0
	City of Waterloo, Iowa City of Waterloo, Iowa	City	68747 68747		Brush Chipper Compressor, Air 125-200	3	2			0			3	100 100	0 0
	City of Waterloo, Iowa	City	68747		Cutter, Stump		2			0			2	100	0 0
	City of Waterloo, Iowa	City	68747	109	Distributor Bitumen, Slip-in or Trailer	1	1			0			1	100	0 0
	City of Waterloo, Iowa	City	68747		Filler, Crack	1	1			0			1	100	0 0
	City of Waterloo, Iowa	City	68747		Grapple Attachment, Loader	2	2			0			2	100	0 0
227	City of Waterloo, Iowa	City	68747		Machine, Asphalt Patcher		1			0			1	100	
	City of Waterloo, Iowa	City	68747		Machine, Profiler	- '	1			0			1	100	0 0
	City of Waterloo, Iowa	City	68747		Marker, Centerline Paint	-	3			0			3	100	0 0
	City of Waterloo, Iowa	City	68747		Saw, Concrete		4			0			4	100	0 0
	City of Waterloo, Iowa City of Waterloo, Iowa	City	68747 68747		Snow Blower, Attachment Spade, Tree	2	2			0			2	100 100	0 0
	City of Waterloo, Iowa	City	68747		Sweeper Attachment		1			0			1	100	0 0
227	City of Waterloo, Iowa	City	68747	143	Trailer, Low Bed 15 Ton		1			0			1	100	0 0
	City of Waterloo, Iowa	City	68747		Trailer, Low Bed Semi	1	1			0			1	100	0 0
227	City of Waterloo, Iowa	City	68747	146	Washer, Hi-Power Water		2			0			2	100	0 0
113	City of Cedar Rapids	City	120758	1	Single Axle, Dump Body	40 4				0			40	100	0 0
	City of Cedar Rapids	City	120758	3	Single axle, van body		1			0			1	100	0 0
	City of Cedar Rapids	City	120758		Tandem axle, dump body	Ü	9	1		0	1		9	100	0 0
113	City of Cedar Rapids City of Cedar Rapids	City	120758 120758	8	Fully Equipped Paint Truck Truck-Mounted Bitumen Distrubutor		1	1		0	+		1 2	100 100	0 0
	City of Cedar Rapids City of Cedar Rapids	City	120758		Water Truck		8	-	_	0	+		8	100	0 0
	City of Cedar Rapids City of Cedar Rapids	City	120758		Semi-Tractor	1	1			0	1		1	100	0 0
	City of Cedar Rapids	City	120758		Hydraulic wheeled, < 1 cy	2	2			0	1		2	100	0 0
	City of Cedar Rapids	City	120758		Hydraulic crawler, 1–2 cy	1	1			0			1	100	0 0
113	City of Cedar Rapids	City	120758	20	Asphalt, Main Screed > 10 ft.		2			0			2	100	0 0
113	City of Cedar Rapids	City	120758	23	Drum Roller 40–67"	1	1			0			1	100	0 0
113	City of Cedar Rapids	City	120758		Rubber Tire Roller 7 wheel		1			0			1	100	0 0
	City of Cedar Rapids	City	120758		Sheep's Foot Roller 40-67"		1	1		0	1		1	100	
113	City of Codar Rapids	City	120758 120758		Wheel Loader 2 cy +	6	6	1		0	+		6	100 100	0 0
	City of Cedar Rapids City of Cedar Rapids	City	120758		Mowing Tractor 45-65 HP Mowing Tractor 65+ HP	3	3	1		0	+		3	100	0 0
113	City of Cedar Rapids City of Cedar Rapids	City	120758		Tractor Loader-Backhoe	1	1	1		0	+		1	100	0 0
	City of Cedar Rapids	City	120758		Sweeper, 3 Wheel Mechanical		4			0			4	100	0 0
113	City of Cedar Rapids	City	120758		Sweeper, 4 Wheel Mechanical	3	3			0			3	100	0 0
113	City of Cedar Rapids	City	120758		Dozer, 150 HP or less	1	1			0			1	100	0 0
113	City of Cedar Rapids	City	120758	48	Motor grader, 135 HP or less	1	1			0			1	100	0 0
113	City of Cedar Rapids	City	120758	49	Motor grader, >135 HP	16	7	9		0			16	100	0 0
113	City of Cedar Rapids	City	120758	50	Self-Propelled Chip Spreader	- '	1	1		0			1	100	0 0
	City of Cedar Rapids	City	120758		Skid Steer Loader, Wheel or Track		2	-		0	+		2	100	0 0
	City of Cedar Rapids City of Cedar Rapids	City	120758 120758		Breaker Pavement, Attachment Broom, Attachment	3	3	1		0	1	 	3	100 100	0 0
113	Joily of Gedal Rapids	Oity	120138	103	broom, Attachment	۷	۱ ا	-1		U	1	<u> </u>	2	100	U U

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				Equip.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
ID	Entity	Туре	Pop.	Line	Type of Equipment 125-200 6 6 100 0
11:	3 City of Cedar Rapids	City	120758		Compressor, Air 125-200 6 6 6 0 0
	3 City of Cedar Rapids	City	120758		Conveyor, Salt 1 1 0 1 1 100 0
	3 City of Cedar Rapids	City	120758		Distributor Bitumen, Slip-in or Trailer 2 2 0 0 2 100 0
113	3 City of Cedar Rapids	City	120758	112	Filler, Crack 2 2 0 0 2 100 0
11:	3 City of Cedar Rapids	City	120758		Grapple Attachment, Loader 1 1 0 1 100 0
	3 City of Cedar Rapids	City	120758		Hydro-Seeder
	3 City of Cedar Rapids	City	120758		Marker, Centerline Paint 1 1 0 1 100 0
	3 City of Cedar Rapids	City	120758		Miller, Asphalt Spreader 2 2 0 2 100 0 Miller, Asphalt Spreader 1 1 0 1 1 100 0 1 1
	3 City of Cedar Rapids	City	120758		mining road 1 1 100 0
	3 City of Cedar Rapids 3 City of Cedar Rapids	City	120758 120758		Pump, Mud Paddle/Colloidal
111	3 City of Cedar Rapids	City	120758		Saw, Collider 2 0 2 100 0 Saw Let Vacuum (Combination) 4 4 0 4 100 0
	3 City of Cedar Rapids	City	120758		Sewer det vacuum (commission)
11:	3 City of Cedar Rapids	City	120758		Trailer, Low Bed 15 Ton 4 4 4 0 4 100 0
	3 City of Cedar Rapids	City	120758		Trailer, Low Bed Semi 1 1 1 0 1 1 100 0
10	5 Clayton County	County	1465		Single Axle, Dump Body 3 3 90 10
10	5 Clayton County	County	1465	2	Single axle, flatbed 1 1 0 1 90 10
	5 Clayton County	County	1465	4	Tandem axle, dump body 15 15 80 20
10	5 Clayton County	County	1465	12	Semi-Tractor 1 1 50 50
	5 Clayton County	County	1465	14	Hydraulic wheeled, 1–2 cy 3 3 0 3 80 20
	5 Clayton County	County	1465		Loader Crawler 80+ HP 1 1 0 1100 0 0 1 1000 0 0 1 1 0 0 0 0
10	5 Clayton County 5 Clayton County	County	1465 1465	32	Wheel Loader 2 cy or less 1 1 0 1 90 10 Wheel Loader 2 cy + 1 1 0 1 90 10
10	5 Clayton County	County	1465		Vined Loader 2 by 7 1 1 1 0 1 1 30 10 10 When Charlet 45-65 HP 3 3 1 0 0 3 100 0 0
10	5 Clayton County	County	1465	36	Mowing Tactor #5+0 FIF 3 100 0 3 100 0
	5 Clayton County	County	1465		Tractor Loader-Backhoe
10	5 Clayton County	County	1465		Dozer, 150 HP or less 2 2 0 0 2 50 50
10	Clayton County	County	1465	46	Dragline, 1/2 cy or less 1 1 0 1 20 80
	Clayton County	County	1465	49	Motor grader, >135 HP 12 2 10 0 12 90 10
	Clayton County	County	1465		Compressor, Air 125-200 1 1 50 50
	5 Clayton County	County	1465		Driver, Pile or Pipe
	5 Clayton County	County	1465		Filler, Crack 1 1 0 1 100 0 Hwdro-Speeder 1 1 0 0 1 50 50 50
	5 Clayton County	County	1465 1465		
10	5 Clayton County 5 Clayton County	County	1465		Machine, Asphalt Patcher 1 1 0 1 100 0 Trailer, Low Bed Semi 1 1 0 1 50 50
	3 Iowa County	County	2535		
	3 Iowa County	County	2535		Single Axie, Dunip Dody
	3 Iowa County	County	2535	12	Semi-Tractor 2 2 0 2 95 5
	3 Iowa County	County	2535	14	Hydraulic wheeled, 1–2 cy 1 1 1 1 1 2 100 0
123	3 Iowa County	County	2535	17	Hydraulic crawler, 1–2 cy 2 2 0 2 50 50
12	3 Iowa County	County	2535	28	Sheep's Foot Roller 67"+ 1 1 0 1 10 90
12	3 Iowa County	County	2535	33	Wheel Loader 2 cy + 3 3 95 5
	3 Iowa County	County	2535		Mowing Tractor 65+ HP
123	3 Iowa County	County	2535		Tractor Loader-Backhoe 1 1 0 1 90 10 Dozer 150 HP or Jess 1 1 0 1 1 60 40
12	3 Iowa County 3 Iowa County	County	2535 2535		Dozer, 150 HP or less 1 1 0 1 60 40 Dozer, 150-300 HP 1 1 0 1 60 40
	3 Iowa County	County	2535		Dozer, 150-300 PF
	3 Iowa County	County	2535	49	Drisgints, 112-by 1
	3 Iowa County	County	2535		Broom, Atlachment 1 1 1 0 1 75 25
12	3 Iowa County	County	2535		Brush Chipper 2 1 1 0 2 95 5
12	3 Iowa County	County	2535	105	Compressor, Air 125-200 1 1 0 1 100 0
	3 Iowa County	County	2535	109	Distributor Bitumen, Slip-in or Trailer 1 1 0 1 100 0
	3 Iowa County	County	2535		Filler, Crack 1 1 0 1 100 0
	3 Iowa County	County	2535		Hydro-Seeder
	3 Iowa County	County	2535		Saw, Concrete
	3 Iowa County	County	2535		epitajor, med
12	3 Iowa County 3 Iowa County	County	2535 2535	147	Trailer, Belly Dump 1 1 0 1 95 5 Trailer, Low Bed 15 Ton 1 1 0 1 80 20
	3 Iowa County	County	2535		
	3 Amana Colonies	County	2535		1
	4 Adams County	County	4482		Single Axle, Dump Body
	4 Adams County	County	4482		Single axle, flatbed 1 1 1 0 1 75 100 0
64	4 Adams County	County	4482	12	Semi-Tractor 1 1 0 1 100 100 0
64	4 Adams County	County	4482	32	Wheel Loader 2 cy or less 1 1 0 1 100 100 0
6-	4 Adams County	County	4482		Mowing Tractor 65+ HP 2 2 0 2 75 100 0
6	4 Adams County	County	4482	42	Cranes 1 1 0 1 37.5 100 0
	4 Adams County	County	4482		Dozer, 150 HP or less 2 2 0 281.25 100 0
	4 Adams County	County	4482 4482	49	Motor grader, >135 HP
	4 Adams County 4 Adams County	County	4482 4482		Broom, Attachment
	+ Audino Coulity			104	Brush Cripper 1 1 1 0 1 1.2.5 100 U Compressor, Air 125-200 1 1 1 0 1 18.75 100 0
	4 Adams County	County	4482		

Entity Dunty Dunty Dunty Dunty Dunty County Secondary Roads	Type County County County County County County County County	Pop. 4482 4482 4482	Equip. Line 138	Type of Equipment	Johnes Jac						Light	La Casta Cas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, halite	Cot efficiency
ounty Jounty County Secondary Roads	County County County County County County County	4482 4482	Line 138	Type of Faulament	Cureo /						Service of the servic	Jeffe de la			
ounty Jounty County Secondary Roads	County County County County County County County	4482 4482	Line 138	Type of Equipment	Cured /			ite las			The state of the s	RELIEFO LES S			
ounty Jounty County Secondary Roads	County County County County County County County	4482 4482	Line 138	Type of Equipment	Curtes / S	Tall I				ario o	Sell will have been the trade	Republic Septid	seed old?		
ounty Jounty County Secondary Roads	County County County County County County County	4482 4482	Line 138	Type of Faulament	Curied /			N. S.			of the state of th	ALLI COLOR SEGUE	see do de		
ounty Jounty County Secondary Roads	County County County County County County County	4482 4482	Line 138	Type of Faulament	Chree /			Hot Ja Ja		ing /	Serial Harris	Restant Las 15	REE REE		
ounty Jounty County Secondary Roads	County County County County County County County	4482 4482	Line 138	Type of Equipment	Chrod /	A Gid	Que de la constante de la cons	Had Sed Jee	d Reg Ci	¹⁰ /	OUT WITH MAN SET THE ME	Str Renta Ree Le	ase and	//	/s /
ounty Jounty County Secondary Roads	County County County County County County County	4482 4482	Line 138	Type of Equipment	Chrod	A Bid	SAIL VO		Inse .		Office Office	Silling Siege	Ined /	' /.	/,® /,
ounty Jounty County Secondary Roads	County County County County County County County	4482 4482	Line 138	Type of Equipment	Christ	10 1	180	1.00				o. /			
ounty Jounty County Secondary Roads	County County County County County County County	4482 4482	Line 138	Type of Equipment	Chica			~ /	& /	. o / ^		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	°0. \%	1.00	in String
ounty Jounty County Secondary Roads	County County County County County County County	4482 4482	138	Type of Equipment		Mr. Jile	13 /0	Mc, \6	8° / 8	ong	ong chort	\delta_{\text{\$\exititt{\$\text{\$\exititt{\$\text{\$\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$	* /500	Mail	/Se. /"
Dunty Dunty County Secondary Roads	County County County County County	4482	138		/*°/*`	<u>/*'/</u>	<u>** / *`</u>	140	/*`	<u>/*`</u>	/* /*	140 150.	10/0	0/0.	0/0 000
ounty County Secondary Roads	County County County County			Sprayer, Weed	1	1			0	<u> </u>		1	1		10 (
County Secondary Roads	County County County	4482		Trailer, Low Bed Semi	1 1			_	0		+	1	-	90	10 (
County Secondary Roads	County County	6830	146	Washer, Hi-Power Water Single Axle, Dump Body	1 1	-			0			1 9		90 100	10 C
County Secondary Roads	County	6830		Tandem axle, dump body	3	1	9		0		 	3		100	0 0
County Secondary Roads		6830		Semi-Tractor	3	+	3		0			3		100	0 0
County Secondary Roads	County	6830		Hydraulic wheeled, 1–2 cy	1	1			0			1	-	94	6 (
County Secondary Roads County Secondary Roads County Secondary Roads	County	6830		Hydraulic crawler, 1–2 cy	1	1			0			1	1	96	4 (
County Secondary Roads County Secondary Roads	County	6830		Wheel Loader 2 cy or less	1			1	0			1	i I	100	0 0
	County	6830		Wheel Loader 2 cy +	2	2			0			2		100	0 0
	County	6830	35	Mowing Tractor 45-65 HP	1	1			0			1	•	100	0 0
County Secondary Roads	County	6830		Mowing Tractor 65+ HP	2	2			0			2		100	0 0
County Secondary Roads	County	6830		Dozer, 150 HP or less	1	1		_	0		\longrightarrow	1	•	93	7 (
County Secondary Roads	County	6830		Dragline, 1/2 cy or less	2	1		1	0		+	2		74	26 (
County Secondary Roads	County	6830		Motor grader, >135 HP	10	10		-	0		\vdash	10		94 100	6 0
County Secondary Roads County Secondary Roads	County	6830 6830		Broom, Attachment Brush Chipper	2	2			0			2		100	0 0
County Secondary Roads County Secondary Roads	County	6830	104	Compressor, Air 125-200	1	1		1	0			1		100	0 0
County Secondary Roads County Secondary Roads	County	6830	114	Heater, Pre-Mix	1	 		1	0			1		100	90 (
County Secondary Roads	County	6830		Hydro-Seeder	1	1			0			1		100	0 0
County Secondary Roads	County	6830	130	Saw, Concrete	1	1			0			1	1	100	0 0
County Secondary Roads	County	6830		Seeder	1	1			0			1		100	0 (
County Secondary Roads	County	6830		Sprayer, Weed	3	3			0			3		100	0 0
County Secondary Roads	County	6830	141	Trailer, Belly Dump	2	2			0			2	2	100	0 0
County Secondary Roads	County	6830		Trailer, Low Bed Semi	1	1			0		++	1	1	100	0 (
unty	County	6958		Single Axle, Dump Body	3	1		-	0				1 63.75	35	65 (
unty	County	6958 6958		Single axle, flatbed Tandem axle, dump body	5 2	3 3		1	0		\vdash	5		44 88	56 C
unty	County	6958		Semi-Tractor	1 1	3		1	0			1		55	45 (
unty	County	6958		Hydraulic crawler, 1–2 cy	1	1		1	0				1 93.75	65	35 (
unty	County	6958		Rubber Tire Roller 7 wheel	1	+		1	0			1			100 0
unty	County	6958		Sheep's Foot Roller 40-67"	1			1	0			1			100 0
unty	County	6958		Wheel Loader 2 cy or less	1			1	0			1	1 67.5	100	0 0
unty	County	6958	35	Mowing Tractor 45-65 HP	5 5	ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ			0		\Box	5	5 80	88	12 (
unty	County	6958		Dozer, 150 HP or less	1	1			0		\longrightarrow	1		22	78 (
unty	County	6958		Dozer, 150-300 HP	1	$+\!-\!+$		1	0		\vdash	1			100
unty	County	6958 6958		Dragline, 1/2 cy or less	1	+-+		1	0			1 1			100 0
unty	County	6958 6958	4/	Dragline, > 1/2 cy Motor grader, >135 HP	8	8		4	0				1 60 B 93.75	90	100 0
unty	County	6958		Compressor, Air 125-200	1	-		1	0			1			100 0
unty	County	6958		Distributor Bitumen, Slip-in or Trailer	1	+		1	0			1		100	0 0
unty	County	6958		Spade, Tree	1	1			0			1		100	0 0
unty	County	6958	138	Sprayer, Weed	1	1			0			1	1 55	100	0 0
unty	County	6958	144	Trailer, Low Bed Semi	1	1			0			1	1 82.5	52	48 (
unty	County	6958	147	14' Tilt Top trailer	1	1			0		\Box	1	. 27.0		100
unty	County	6958		Pull Scrapers	1	1			0		\vdash	1		100	0 (
unty	County	6958	201	Forklift	1	+		1	0		\longrightarrow	1 1		100	0 0
unty	County	6958 6958		Single axle truck, utility box, Hydraulic arm	1 1	+		-	0		\vdash	1 1		100	0 0 100 0
unty County	County	7003		Single axle truck, utility box, winch Single Axle, Dump Body	4 4	+			0			1 4		89	100 0
County	County	7003		Single axle, flatbed	1 1	+		1	0			1		100	0 0
County	County	7003		Tandem axle, dump body	5 5	 			0			5		94	6 (
County	County	7003			1 1									100	0 0
County	County	7003	12	Semi-Tractor	1 1				0			1		100	0 0
County	County	7003	14	Hydraulic wheeled, 1–2 cy	2 1	1 1						2	2	75	25 (
	County	7003			4 4	4—4		1	0		\longrightarrow			100	0 0
County	County				2 2	4					\vdash		_		0 (
County					1	+ +		1			\longrightarrow				0 (
County County County			43	DOZER, 150 HP OF IESS				-			+-+-				25 C
County County County County County	County							1		H	\vdash				12 C
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County	County	7003	134	Shouldering Machine					_						0 0
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County	County County County	7003 7003 7003 7003	138 141 143	Sprayer, Weed Trailer, Belly Dump Trailer, Low Bed 15 Ton	1	1			0			1	1	100 75	0 (25 (
County	County County County County County County County County County	7003 7003 7003 7003 7003 7909	138 141 143 1	Sprayer, Weed Trailer, Belly Dump Trailer, Low Bed 15 Ton Single Axle, Dump Body	1 1 1 1 1 2	1 1		1	0 0			1 1 2	1 1 2	100 75 100	0 0 25 0
County Co	County	7003 7003 7003 7003 7003 7909 7909	138 141 143 1 4	Sprayer, Weed Trailer, Belly Dump Trailer, Low Bed 15 Ton Single Axle, Dump Body Tandem axle, dump body	1 1 1 1 1 1 2 2 13 13 13	1 1		1	0 0 0			1 1 2 13	1 1 2 2 3	100 75 100 95	0 0 25 0 0 0
County	County County County County County County County County County	7003 7003 7003 7003 7003 7909	138 141 143 1 4 12	Sprayer, Weed Trailer, Belly Dump Trailer, Low Bed 15 Ton Single Axle, Dump Body	1 1 1 1 1 2	1 1		1	0 0			1 1 2	1 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 75 100	0 0 25 0
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ID	Entity	Туре	Pop.	Line	Type of Equipment	/ *~	/*`/*	×/×	/*` /	140	/* <u>/</u> *	/* <u>`</u>	/*3	/4º /4º	00	\o 0,	0/0 C
	Worth County	County	7909		Wheel Loader 2 cy +	1			1		0						
	Worth County	County	7909		Mowing Tractor 45-65 HP	4	_		2		0					100	0
	Worth County	County	7909		Mowing Tractor 65+ HP	1			1		0					100	0
14	Worth County	County	7909	49	Motor grader, >135 HP	5	5				0				5	90	10
	Worth County	County	7909	104	Brush Chipper	1	1				0					100	0
	Worth County	County	7909		Conveyor, Salt	1		1			0					100	0
	Worth County	County	7909		Trailer, Low Bed Semi	2		1	1		0				_	90	10
	Fremont County Road Department	County	8010		Single Axle, Dump Body	4	-				0				l .	100	0
	Fremont County Road Department	County	8010		Single axle, flatbed	2					0			1 2	2	94	6
	Fremont County Road Department	County	8010		Tandem axle, dump body	4					0			4	l l	100	0
205	Fremont County Road Department	County	8010		Truck-Mounted Bitumen Distrubutor	1		1			0	1				100	0
	Fremont County Road Department	County	8010		Semi-Tractor	2		1			0	1	ļ	1 2		100	0
	Fremont County Road Department	County	8010		Hydraulic wheeled, 1–2 cy	1	1	1			0	1	ļ		4	100	0
	Fremont County Road Department	County	8010		Hydraulic crawler, 1–2 cy	1		1	1		0	1	ļ		4	87	13
	Fremont County Road Department	County	8010		Rubber Tire Roller 9 wheel	2		1			0	1	ļ	2	-	100	0
	Fremont County Road Department	County	8010		Wheel Loader 2 cy +	2		1			0	1	ļ	1 2		100	0
	Fremont County Road Department	County	8010		Mowing Tractor 65+ HP	4	4				0		l	4	1	100	0
	Fremont County Road Department	County	8010		Tractor Loader-Backhoe	1	1				0					93	7
	Fremont County Road Department	County	8010		Sweeper, 4 Wheel Mechanical	1					0		I		4	100	0
205	Fremont County Road Department	County	8010		Cranes	1			1		0		I		1	100	0
205	Fremont County Road Department	County	8010		Dozer, 150 HP or less	1	1				0		I			78	22
205	Fremont County Road Department	County	8010		Dozer, 150-300 HP	1		1			0	-				100	0
	Fremont County Road Department	County	8010		Dragline, > 1/2 cy	1		1	1		0	-				94	6
205	Fremont County Road Department	County	8010	49	Motor grader, >135 HP	7	7				0				7	100	0
	Fremont County Road Department	County	8010		Self-Propelled Chip Spreader	1	1				0					100	0
	Fremont County Road Department	County	8010		Brush Chipper	2					0			1 2	-	100	0
	Fremont County Road Department	County	8010		Compressor, Air 200+	1		1			0					100	0
	Fremont County Road Department	County	8010		Trailer, Belly Dump	2	2	-			0			1 2	2	100	0
	Fremont County Road Department	County	8010		Trailer, Low Bed 15 Ton	3	3	-			0			3	3	90	10
	Fremont County Road Department	County	8010		Trailer, Low Bed Semi	1					0					90	10
	Davis County Highway Department	County	8541		Single Axle, Dump Body	3		-			0			1 3		90	10
	Davis County Highway Department	County	8541		Single axle, flatbed	2			1		0				2	75	25
	Davis County Highway Department	County	8541		Tandem axle, dump body	1	1	2	1		0				1	90	10 50
24	Davis County Highway Department	County	8541		Semi-Tractor	2		2	1		0					50	
	Davis County Highway Department	County	8541 8541		Hydraulic wheeled, < 1 cy	1		1			0	+		1		75	25
	Davis County Highway Department Davis County Highway Department	County County	8541	28	Sheep's Foot Roller 67"+ Integrated Tool Carrier	1		4			0					25 100	75 0
			8541		Mowing Tractor 65+ HP	5		4	1		0					100	0
	Davis County Highway Department Davis County Highway Department	County	8541		Dozer, 150-300 HP	2		2	- '		0					50	50
	Davis County Highway Department Davis County Highway Department	County	8541		Dragline, 1/2 cy or less	1		2			0			1 1	1	50	50
			8541		Motor grader, >135 HP	9		9			0			9	1	85	15
	Davis County Highway Department	County	8541		Drum Roller < 40"	1		_	1	-+	0	-	!	1		100	0
	Davis County Highway Department Davis County Highway Department	County County	8541		Crawler Tractor 450 HP	1		1	- 1		0	-	!			25	75
		County	8541	5/ 50	Concrete Saw 65 HP	1		+	- 1		0	-	!	 	+	100	0
24	Davis County Highway Department Davis County Highway Department	County	8541		Brush Chipper	4		1	- 1	-+	0	-	!		+	100	0
	Davis County Highway Department Davis County Highway Department	County	8541	104	Compressor, Air 125-200	1		1	+ +		0	1	1			95	5
	Davis County Highway Department Davis County Highway Department	County	8541		Heater, Pre-Mix	1		+	- 1		0	1	1			100	0
	Davis County Highway Department Davis County Highway Department	County	8541		Trailer, Low Bed Semi	1		1	'	- +	0			-		50	50
	Davis County Highway Department Davis County Highway Department	County	8541		14' Tilt Top trailer	1		1		- +	0					75	25
	Davis County Highway Department Davis County Highway Department	County	8541		Pull Scrapers	2		2			0					40	60
	Pocahontas County	County	8662		Single Axle, Dump Body	3				3	0				3	100	0
	Pocahontas County	County	8662		Single axle, flatbed	2				2	0				2	98	2
	Pocahontas County	County	8662		Tandem axle, dump body	17	2			15	0			1	7	95	5
	Pocahontas County	County	8662		Semi-Tractor	1		1		1	0	1		1		95	5
	Pocahontas County	County	8662		Hydraulic wheeled, 2+ cy	1				1	0					95	5
	Pocahontas County	County	8662		Wheel Loader 2 cy +	2				2	0			2	2	98	2
	Pocahontas County	County	8662		Mowing Tractor 45-65 HP	3				3	0				3	100	0
	Pocahontas County	County	8662		Tractor Loader-Backhoe	1		L		1	0					98	2
	Pocahontas County	County	8662		Dozer, 150 HP or less	1				1	0					50	50
	Pocahontas County	County	8662		Motor grader, >135 HP	15		1		14	0			15	5	99	1
	Pocahontas County	County	8662	103	Broom, Attachment	1				1	0					100	0
	Pocahontas County	County	8662	105	Compressor, Air 125-200	1				1	0					100	0
	Pocahontas County	County	8662		Shouldering Machine	1				1	0					100	0
	Pocahontas County	County	8662	136	Snow Blower, Attachment	1				1	0					100	0
	Pocahontas County	County	8662	143	Trailer, Low Bed 15 Ton	1				1	0					95	5
42	Pocahontas County	County	8662	144	Trailer, Low Bed Semi	1				1	0					95	5
75	Decator County Engineer	County	8689	1	Single Axle, Dump Body	5	5				0					90	10
75	Decator County Engineer	County	8689	2	Single axle, flatbed	1					0					0	100
	Decator County Engineer	County	8689		Tandem axle, dump body	4	4				0			4	100	88	12
75	Decator County Engineer Decator County Engineer	County	8689		Truck-Mounted Bitumen Distrubutor	1	1				0				25	100	0
		County	8689	40	Semi-Tractor			1	1 2		0.1	1	1	1 1 .	100	38	62

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ID	Entity	Type	Pop.	Line	Type of Equipment	/ *	/* /*	//*`/	<u> / * </u>	40	* / * ~	/* <u>`</u>	/*	140 140°	10/0	/o/o,	00	<u> </u>
75 [Decator County Engineer	County	8689	17	Hydraulic crawler, 1-2 cy	2	. 2				0			2	100	50	50	0
75 [Decator County Engineer	County	8689		Rubber Tire Roller 9 wheel	1			1		0			1		100		0
75 [Decator County Engineer	County	8689	28	Sheep's Foot Roller 67"+	1			1		0			1	- 00	0		0
75 [Decator County Engineer	County	8689	30	Loader Crawler 80 HP or less	1			1		0			1		50		0
	Decator County Engineer	County	8689		Wheel Loader 2 cy or less	3			3		0			3	100	100		0
75 [Decator County Engineer	County	8689		Mowing Tractor <45 HP	1			1		0			1	100	100		0
75 [Decator County Engineer	County	8689		Mowing Tractor 45-65 HP	2					0			2		100		0
	Decator County Engineer	County	8689		Mowing Tractor 65+ HP	2	. 2				0			2		100		0
	Decator County Engineer	County	8689		Cranes	1			1	-	0			1		0		0
	Decator County Engineer	County	8689		Dozer, 150 HP or less	2		+	\longrightarrow	-+	0	1		2		50		0
75 [Decator County Engineer	County	8689	49	Motor grader, >135 HP	8					0			8		100		0
	Decator County Engineer	County	8689		Self-Propelled Chip Spreader	1	+	+			0	1		1		100		0
75	Decator County Engineer	County	8689		Compressor, Air 125-200	2	 1 	+-+	1	-+	0	+	 	 2	75	50		0
75 [Decator County Engineer	County	8689		Driver, Pile or Pipe	1			1		0				100	0		0
	Decator County Engineer	County	8689		Seeder Trailor Relly Dump	1		++	\longrightarrow	-+	0	+		1		100		0
	Decator County Engineer	County	8689		Trailer, Belly Dump	1	1	-	-		0			1		100		0
	Decator County Engineer	County	8689 8689		Trailer, Low Bed Semi	1	1 1	+	-+	-+	0	1	l	1	1 100 1 100	50 100		0
	Decator County Engineer	County	9133		Washer, Hi-Power Water	3			+	-+	0	1		3		100		0
	Clarke County Secondary Roads Clarke County Secondary Roads	County	9133	1	Single Axle, Dump Body Single axle, flatbed	3	1 1		+	-+	0	+	 	3	+-	100 85		0
	Clarke County Secondary Roads Clarke County Secondary Roads	County	9133		Tandem axle, dump body	4			-+	+	0	+	†	4	+	90		0
	Clarke County Secondary Roads	County	9133		Semi-Tractor	2	1		- 1	-	0			2		95		0
	Clarke County Secondary Roads	County	9133		Hydraulic wheeled, 1–2 cy	1	1			-+	0	1	1	1 1	+	95		0
	Clarke County Secondary Roads	County	9133		Hydraulic crawler, 1–2 cy	1		+	1	-+	0	†	†		$t \rightarrow t$	85		0
	Clarke County Secondary Roads	County	9133		Rubber Tire Roller 9 wheel	1		+	1	_	0			1		5		0
	Clarke County Secondary Roads	County	9133		Sheep's Foot Roller 67"+	1	-	+	1	-	0	1		1		20		0
	Clarke County Secondary Roads	County	9133		Wheel Loader 2 cy +	1	1	_		-+	0	1		1		90		0
	Clarke County Secondary Roads	County	9133	34	Mowing Tractor <45 HP	1	1				0			1		100		0
	Clarke County Secondary Roads	County	9133		Mowing Tractor 65+ HP	4	1 4				0			4		95		0
	Clarke County Secondary Roads	County	9133	44	Dozer, 150-300 HP	2	2				0			2	,	85	15	0
17 (Clarke County Secondary Roads	County	9133		Motor grader, >135 HP	10	10)			0			10)	95		0
	Clarke County Secondary Roads	County	9133	104	Brush Chipper	1					0			1		100	0	0
	Clarke County Secondary Roads	County	9133	105	Compressor, Air 125-200	1	1				0			1		80		0
	Clarke County Secondary Roads	County	9133		Seeder	1	1				0			1		60	40	0
	Clarke County Secondary Roads	County	9133	138	Sprayer, Weed	1	1				0			1		100	0	0
	Clarke County Secondary Roads	County	9133	144	Trailer, Low Bed Semi	2	2 1	1	1		0			2	2	95	5	0
	Clarke County Secondary Roads	County	9133		Washer, Hi-Power Water	1	1	1			0			1		90	10	0
	Howard County Secondary Roads	County	9932		Single Axle, Dump Body	3	, 0				0			3	,	100		0
	Howard County Secondary Roads	County	9932		Tandem axle, dump body	8					0			8		98		0
	Howard County Secondary Roads	County	9932		Hydraulic wheeled, 1–2 cy	1	1				0			1		95		0
	Howard County Secondary Roads	County	9932		Hydraulic crawler, 1–2 cy	1	1				0			1		95		0
	Howard County Secondary Roads	County	9932	32	Wheel Loader 2 cy or less	1		+	+	-	0	-		1		100		0
	Howard County Secondary Roads	County	9932	33	Wheel Loader 2 cy +	1		+			0	1		1		100		0
	Howard County Secondary Roads	County	9932	36	Mowing Tractor 65+ HP	3	 1 	+-+	2	-+	0	+	-	3	4	100		0
	Howard County Secondary Roads	County	9932		Tractor Loader-Backhoe	2	1 2	+-+	+	-+	0	+	 	1 2	+	100	0	0
	Howard County Secondary Roads	County	9932 9932		Dozer, 150 HP or less	1		++	\longrightarrow	-+	0	+		2	-	75 80		0
	Howard County Secondary Roads	County			Dragline, > 1/2 cy Motor grader, 135 HP or loss			+	+	-+	-	†		1 11				0
	Howard County Secondary Roads	County	9932 9932		Motor grader, 135 HP or less Broom, Attachment	11	11	+		-+	0	†		11	+	100 100		0
	Howard County Secondary Roads Howard County Secondary Roads	County	9932		Brush Chipper	1	1	+	-+	-+	0	1		1	+	100		0
	Howard County Secondary Roads Howard County Secondary Roads	County	9932	104	Compressor, Air 125-200	1		+-+	+	-+	0	+		 	+	100		0
	Howard County Secondary Roads	County	9932	111	Driver, Pile or Pipe	2		,	+	-+	0	1	1	2	,	100		0
	Howard County Secondary Roads	County	9932		Kettle, Bitumen Heater	1	 	-	-+	-+	0	1		1	+	100		0
	Howard County Secondary Roads	County	9932		Roller, Attachment	2		+	2	-+	0	1		2	,	100		0
7 1	Howard County Secondary Roads	County	9932		Snow Blower, Attachment	1		+		-	0	1		1	-	100		0
7 1	Howard County Secondary Roads	County	9932		Sprayer, Weed	1			-	_	0	1		1		100		0
	Howard County Secondary Roads	County	9932		Trailer, Low Bed Semi	1		T	1		0	1		1		98	2	0
	Monoma County	County	10020		Single Axle, Dump Body	9	9				0			9	100	100		0
	Monoma County	County	10020		Single axle, flatbed	4	4				0			4	81.25	100		0
4 1	Monoma County	County	10020		Tandem axle, dump body	6	6				0			6		100	0	0
4 1	Monoma County	County	10020	14	Hydraulic wheeled, 1–2 cy	2	2				0			2	75	100	0	0
4 1	Monoma County	County	10020	17	Hydraulic crawler, 1–2 cy	1					0			1	75	100		0
4 1	Monoma County	County	10020	32	Wheel Loader 2 cy or less	6		┸			0			6		100		0
4 1	Monoma County	County	10020	35	Mowing Tractor 45-65 HP	6		┸			0			6		100		0
	Monoma County	County	10020	36	Mowing Tractor 65+ HP	0		$\perp \perp \downarrow$			3 3	3	ļ	3	75	100	0	0
	Monoma County	County	10020	42	Cranes	1	1	+	\longrightarrow		0	1	ļ	1		100		0
				43	Dozer, 150 HP or less	1	.1 11	1			0	1		1	75	100	0	0
4 1	Monoma County	County	10020					-		-	_							
4 1	Monoma County	County	10020	44	Dozer, 150-300 HP	2		\blacksquare			0			2		100		0
4 1	Monoma County Monoma County	County County	10020 10020	44 49	Dozer, 150-300 HP Motor grader, >135 HP	15				\mp	1 1	1		16	100	100	0	0
4 1	Monoma County	County	10020	44 49 51	Dozer, 150-300 HP						0 1 1	1					0	

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12	Calhoun County	County	11115	1	Single Axle, Dump Body 3 3 100 0 3 100 0 0
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	Calhoun County Calhoun County	County	11115 11115		Sheep's Foot Roller 67"+ 2 2 0 2 50 50 0 Wheel Loader 2 cy + 4 3 1 0 4 100 0 0
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12	Calhoun County Guthrio County Secondary Road Dont	County	11115 11353	146	Washer, Hi-Power Water 6 6 100 0 Single Axle, Dump Body 8 8 0 8 92 8 0
82	Guthrie County Secondary Road Dept. Guthrie County Secondary Road Dept.	County	11353		Single Axie, Dump Body
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82	Guthrie County Secondary Road Dept.	County	11353	13	Hydraulic wheeled, < 1 cy 2 2 0 2 95 5 0
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82	Guthrie County Secondary Road Dept.	County	11353	65	Pickups 22 22 0 0 22 98 2 0
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82	Guthrie County Secondary Road Dept.	County	11353		Scraper < 15 cy
239	Keokuk County	County	11400		Damaged Disk Supplies
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63	Sac County Road Dept.	County	11529		Single axle, flatbed 1 1 0 1 100 0
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ID	Entity	Туре	Pop.	Line	Type of Equipment	or Little		Engo College	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	% / *\%	/*\^` /	Her Hattere	70 \ \ \ Q_{Q_0}	1000	olo Mainte Paric	Constitution 15 Sept
164	Montgomery County Secondary Road Department	County	11771		ikid Steer Loader, Wheel or Track 1		1			0			1		100	0 0
164	Montgomery County Secondary Road Department	County	11771		Brush Chipper 1		1			0			1		100	0 0
	Montgomery County Secondary Road Department	County	11771		Compressor, Air 125-200 2	2				0			2		80 2	20 0
	Montgomery County Secondary Road Department	County	11771	111	Priver, Pile or Pipe 3		3			0			3		70 3	80 0
	Montgomery County Secondary Road Department	County	11771		Saw, Concrete 1	1				0			1			0 0
	Montgomery County Secondary Road Department	County	11771		eeder 3		3			0			3		80 2	
164	Montgomery County Secondary Road Department	County	11771		shouldering Machine 2		2			0			2		100	0 0
	Montgomery County Secondary Road Department	County	11771		railer, Low Bed Semi 1 Single Axle, Dump Body 7		1 7			0			7			0 0
	Hancock County Hancock County	County	12100 12100		Single Axle, Dump Body 7 Sandem axle, dump body 15		15			0			15			0 0
	Hancock County	County	12100		Platform Boom (High-Reach) 1	1	10			0			10			0 0
	Hancock County	County	12100		Semi-Tractor 2			2		0	-		2			0 0
	Hancock County	County	12100		lydraulic wheeled, < 1 cy 1			1		0			1			0 0
	Hancock County	County	12100		Hydraulic crawler, <1 cy 2		2	<u> </u>		0			2			0 0
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214	Hancock County	County	12100		Mowing Tractor 65+ HP 3	3				0			3		100	0 0
214	Hancock County	County	12100	37	ractor Loader-Backhoe 3		3			0			3			0 0
214	Hancock County	County	12100	43	Oozer, 150 HP or less 4			1		0			4			0 0
214	Hancock County	County	12100		Oozer, 150-300 HP 1			ļ		0			1		100	0 0
214	Hancock County	County	12100		Oragline, 1/2 cy or less 1		1	ļ		0			1			0 0
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214	Hancock County	County	12100	49	Motor grader, >135 HP 17	17	_	-		0			17			0 0
	Hancock County	County	12100		orapor, readbor the Elevating To by		1			0					100	0 0
	Hancock County	County	12100		From, Attachment 1		1			0		-	1	\vdash		0 0
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	Union County Secondary Roads	County	12100		raller, Low Bed Semi 2 Single Axle, Dump Body 3		-	†		0	-		3	100		0 0
	Union County Secondary Roads Union County Secondary Roads	County	12309		single axle, bump body 3 single axle, flatbed 2	1		1		0	-		2	87.5	93	7 0
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	Union County Secondary Roads	County	12309		lydraulic wheeled, < 1 cy 1					0			1	75		0 0
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8	Union County Secondary Roads	County	12309		Notor grader, >135 HP 8	8				0			8		97	3 0
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62	Grundy County	County	12369		ingle Axle, Dump Body 6					0			6			5 0
	Grundy County	County	12369		andem axle, dump body 3	3	_	ļ		0			3			3 0
	Grundy County	County	12369		lydraulic wheeled, 2+ cy 2	2				0			2			5 0
	Grundy County	County	12369 12369		Wheel Loader 2 cy + 3 Mowing Tractor 45-65 HP 1		_	3		0			3		99	1 0
62	Grundy County Grundy County	County	12369		Mowing Tractor 45-65 HP 1 Dozer, 150 HP or less 1		1	 	 	0			1	\vdash		6 0
62	Grundy County Grundy County	County	12369		Motor grader, >135 HP 12		-			0	-		12		95	5 0
62	Grundy County	County	12369		ign Truck 1					0			1		90 1	
	Grundy County	County	12369	102	Breaker Pavement, Attachment 1		1			0			1		90 1	
	Grundy County	County	12369	104	Frush Chipper 1	1				0			1		100	0 0
62	Grundy County	County	12369	105	Compressor, Air 125-200 1		1			0			1		90 1	
62	Grundy County	County	12369	115	lydro-Seeder 1					0			1		80 2	
62	Grundy County	County	12369		houldering Machine 1			1		0			1			5 0
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	Cherokee County	County	13035		single Axle, Dump Body 5		3			0			5		90 1	
	Cherokee County	County	13035		Single axle, flatbed 2		-	-		0			2		80 2	
	Cherokee County	County	13035 13035		andem axle, dump body 5	-	5		- 	0			5	\vdash	90 1	
	Cherokee County Cherokee County	County	13035		Semi-Tractor 2 Hydraulic crawler, 1–2 cy 2	2		 	 	0			2	\vdash		20 0
70	Cherokee County Cherokee County	County	13035	97	theep's Foot Roller 40-67" 1		1	†		0	-		1	+		20 0
	Cherokee County	County	13035		Vheel Loader 2 cy + 4		1			0	-		4		85 1	
	Cherokee County	County	13035	36	Mowing Tractor 65+ HP 1		1			0			1			0 0
	Cherokee County	County	13035		ractor Loader-Backhoe 1	1	1			0			1		90 1	
	Cherokee County	County	13035		Dozer, 150-300 HP 1			1		0			1		90 1	-
	Cherokee County	County	13035		Pragline, > 1/2 cy 1			1		0			1		50 5	
	Cherokee County	County	13035		Notor grader, >135 HP 9		5			0			9		80 2	
70	Cherokee County	County	13035	51	craper, Rubber Tire Elevating <15 cy 1			1		0			1		50 5	0 0
70	Cherokee County	County	13035	102	reaker Pavement, Attachment 1	1				0			1		90 1	0 0
70	Cherokee County	County	13035	103	room, Attachment 1			1		0			1		100	0 0
	Cherokee County	County	13035	104	rush Chipper 1			1		0			1			0 0
	Cherokee County	County	13035		Compressor, Air 125-200 2		2	ļ		0			2	\vdash	90 1	
70	Cherokee County	County	13035		Oriver, Pile or Pipe 1		1	-		0			1		50 5	
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ID	Entity	Туре	Pop.	Line Type of Equipment	/ *-	<u>/*`/</u>	*/* /* /	4 / * / ×	· / * ·	/ * . / 4n	10 100 10	0 / 0/0 / 00
	Cherokee County Cherokee County	County	13035 13035	115 Hydro-Seeder 128 Rock Crusher	1	.——	1 1	0			1	50 50 0 95 5 0
	Cherokee County Cherokee County	County	13035	130 Saw, Concrete	1	_	1	0			1	90 10 0
	Cherokee County Cherokee County	County	13035	141 Trailer, Belly Dump	1	1		0			1	90 10 0
	Cherokee County	County	13035	144 Trailer, Low Bed Semi	1	1 1		0				90 10 0
	Cherokee County	County	13035	146 Washer, Hi-Power Water	4	ı	4	0			4	90 10 0
	Chickasaw County	County	13095	1 Single Axle, Dump Body	3	3 2	1	0				90 10 0
	Chickasaw County	County	13095	3 Single axle, van body	1	4	111	0			1	50 50 0
	Chickasaw County	County	13095	4 Tandem axle, dump body	9	, ,		0				80 20 0
	Chickasaw County	County	13095	5 Tandem axle, flatbed	1	1 1	+	0			1	25 75 0 50 50 0
	Chickasaw County Chickasaw County	County	13095 13095	12 Semi-Tractor 14 Hydraulic wheeled, 1–2 cy	1	1 1		0				50 50 0 100 0 0
	Chickasaw County Chickasaw County	County	13095	17 Hydraulic crawler, 1–2 cy	1	1 1		0				50 50 0
	Chickasaw County	County	13095	28 Sheep's Foot Roller 67"+	1	1 1		0			1	0 0 0
89	Chickasaw County	County	13095	33 Wheel Loader 2 cy +	2	2 2		0				95 5 0
	Chickasaw County	County	13095	36 Mowing Tractor 65+ HP	3	j 3		0				100 0 0
	Chickasaw County	County	13095	42 Cranes	1	+	1 1	0			1	50 50 0
	Chickasaw County	County	13095 13095	43 Dozer, 150 HP or less	2	+	2	0			2	75 25 0 50 50 0
80	Chickasaw County Chickasaw County	County	13095	44 Dozer, 150-300 HP 49 Motor grader, >135 HP	11	1 11		0		+ + + -	11	95 5 0
	Chickasaw County	County	13095	67 Bucket Truck	1	1		0			1	50 50 0
	Chickasaw County	County	13095	74 Flatbed Sign Truck w/ Crane	1	1 1		0			1 .	100 0 0
89	Chickasaw County	County	13095	76 Shop Service Truck w/ Crane	1	1		0			1	95 5 0
	Chickasaw County	County	13095	104 Brush Chipper	1	. 1		0				100 0 0
	Chickasaw County	County	13095	105 Compressor, Air 125-200	1		1	0				100 0 0
	Chickasaw County Chickasaw County	County	13095 13095	110 Drill, Vertical 112 Filler, Crack	1	+	1 + +	0				95 5 0 100 0 0
	Chickasaw County Chickasaw County	County	13095	114 Heater, Pre-Mix	1	1	-	0				100 0 0
	Chickasaw County Chickasaw County	County	13095	136 Snow Blower, Attachment	1	1		0				100 0 0
	Chickasaw County	County	13095	144 Trailer, Low Bed Semi	1	1 1		0				50 50 0
	Chickasaw County	County	13095	146 Washer, Hi-Power Water	1	1		0				100 0 0
	Shelby County Road	County	13173	1 Single Axle, Dump Body	10	9	1	0				100 0 0
	Shelby County Road	County	13173	2 Single axle, flatbed	1		1 2	0				100 0 0
	Shelby County Road Shelby County Road	County	13173 13173	4 Tandem axle, dump body 5 Tandem axle, flatbed	2	+	2	0				90 10 0
	Shelby County Road Shelby County Road	County	13173	12 Semi-Tractor	3	4	3	0				95 5 0
	Shelby County Road	County	13173	13 Hydraulic wheeled, < 1 cy	2	,	1 1	0				100 0 0
	Shelby County Road	County	13173	17 Hydraulic crawler, 1–2 cy	1	i	1	0				65 35 0
	Shelby County Road	County	13173	29 Integrated Tool Carrier	1	1	1	0			1 '	100 0 0
	Shelby County Road	County	13173	31 Loader Crawler 80+ HP	1	4	1	0				100 0 0
	Shelby County Road	County	13173	33 Wheel Loader 2 cy +	3	-	3	0				100 0 0
	Shelby County Road Shelby County Road	County	13173 13173	34 Mowing Tractor <45 HP 43 Dozer, 150 HP or less	1 1	,——	1 2	0		+ + + -		100 0 0 100 0 0
	Shelby County Road Shelby County Road	County	13173	43 Dozer, 150 HP or less 47 Dragline, > 1/2 cy	1		1 -	0		 	1	80 20 0
60		County	13173	49 Motor grader, >135 HP	12	,	9 3	0			12	100 0 0
60	Shelby County Road	County	13173	51 Scraper, Rubber Tire Elevating <15 cy	1		1	0			1 '	100 0 0
	Shelby County Road	County	13173	61 Sign Truck	1		1	0		1 1		80 20 0
60		County	13173	104 Brush Chipper	2	:	2	0		 		100 0 0
	Shelby County Road Shelby County Road	County County	13173 13173	105 Compressor, Air 125-200 117 Machine, Asphalt Patcher	1	+	1 +	0		 		100 0 0 100 0 0
	Shelby County Road Shelby County Road	County	13173	141 Trailer, Belly Dump	2	<u>,</u>	2	0				100 0 0
	Shelby County Road Shelby County Road	County	13173	144 Trailer, Delly Bullip 144 Trailer, Low Bed Semi	1		1	0			1	80 20 0
	Madison County Secondary Road Dept.	County	14019	1 Single Axle, Dump Body	8	8		0			8 100	50 50 0
88	Madison County Secondary Road Dept.	County	14019	2 Single axle, flatbed	2	2 2		0			2 75	50 50 0
	Madison County Secondary Road Dept.	County	14019	4 Tandem axle, dump body	1		11	0		1 1	1 81.25	54 46 0
	Madison County Secondary Road Dept.	County	14019	12 Semi-Tractor	3	3 3		0		 	3 75	10 90 0
	Madison County Secondary Road Dept. Madison County Secondary Road Dept.	County	14019 14019	13 Hydraulic wheeled, < 1 cy 17 Hydraulic crawler, 1–2 cy	1	1 1	+	0		 		63 37 0 43 57 0
	Madison County Secondary Road Dept. Madison County Secondary Road Dept.	County	14019	33 Wheel Loader 2 cy +	1	++	1	0		 		50 50 0
	Madison County Secondary Road Dept.	County	14019	36 Mowing Tractor 65+ HP	5	5 5		0				100 0 0
	Madison County Secondary Road Dept.	County	14019	37 Tractor Loader-Backhoe	1	1 1		0				84 16 0
88	Madison County Secondary Road Dept.	County	14019	38 Tractor Loader-Box Blade	0	1		1		1	1 100	100 0 0
	Madison County Secondary Road Dept.	County	14019	42 Cranes	2	1	11	0			2 75	33 67 0
	Madison County Secondary Road Dept.	County	14019	43 Dozer, 150 HP or less	3	3 2	1	0			3 83.3	10 90 0
88	Madison County Secondary Road Dept.	County	14019 14019	49 Motor grader, >135 HP	12	2 4	8	0			12 81.25 1 100	79 21 0 75 25 0
88	Madison County Secondary Road Dept. Madison County Secondary Road Dept.	County	14019	69 Single Axle Truck w/ Hiab Crane 70 Single Axle - Water/Sprayer	1	++	1	0				75 25 U
88	Madison County Secondary Road Dept. Madison County Secondary Road Dept.	County	14019	71 Single Axle - Water/Sprayer 71 Single Axle - Bridge Crew	1	1	+ + +	0				45 55 0
	Madison County Secondary Road Dept.	County	14019	72 Single Axle - Welder	1	1		0			1 100	50 50 0
88												
88	Madison County Secondary Road Dept. Madison County Secondary Road Dept.	County	14019 14019	73 Fuel Truck 103 Broom, Attachment	1	1		0			1 100 1 25	35 65 0 100 0 0

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Bell Medican Charles Scientiffe, Floor Deck. Country Modified Modifie			County		111	Driver, Pile or Pipe			1					2	25	50 50	
Add Hadelino Country Secondary Road Deed. Country 1									1		0			1			U
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43 Allemanted County 14079 2 Sorgiu and further 1 1 0 0 1 1 10 0 0	88	Madison County Secondary Road Dept.					1 1				-			1	75		
43 (Albranches County Engineer County (147) 4 (Tradem also, dump body 2 2 2 0 0 0 2 2 85 5 0 0 4 2 Albranches County Engineer County (147) 4 (Tradem also, dump body 2 2 2 0 0 0 2 2 85 5 0 0 4 2 85 5 0 0 4 2 85 5 0 0 4 2 85 5 0 0 4 2 85 5 0 0 4 2 85 5 0 0 0 2 2 85 5 0 0 0 2 2 85 5 0 0 0 0 2 2 85 5 0 0 0 0 2 2 85 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	43	Allamakee County Engineer						_			•						
Add Allemander County 14475 12 Sent Tractor 2 2 0 2 35 5 5 1								_	\vdash		-	-					
4.3 Allemantees County Engineer County 14675 14 Nytomatee 1.2 cy 1 1 0 1 1 95 5 0 1 1 1 1 1 1 1 1 1	43	Allamakee County Engineer					2 2		2		•			2		95 5	
43 Alternates County Engineer County 14975 30 Labert Cranter 80 HP or fees 1 1 0 1 5 5 5 5 6 43 Alternates County 14976 33 34 Marter Lorder 2 or 4 3 1 2 0 3 36 5 5 5 6 43 Alternates County 14976 36 Marter Lorder 15 14 1 0 1 1 0 1 1 1 0 1 1							1	-	1					1		95 5	
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43 Allemandee Courty Engineer Courty 14675 39 Moving Treator 46-66 HP 3 3 0 3 100 0 0 1 1 1 1 1 1									2					3			
43 Allemakee Courty Engineer Courty 14675 40 Motor gene 1875 197	43	Allamakee County Engineer	County		35	Mowing Tractor 45-65 HP					0						0
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168 Harrison County County 15666 10 Truck-Mounted Bitumen Distrubutor 1 1 0 1 100 0 0 168 Harrison County County 15666 12 Semi-Tractor 2 2 0 2 100 0 0 168 Harrison County County 15666 14 Hydraulic wheeled, 1-2 cy 2 2 0 2 99 1 0 168 Harrison County County 15666 17 Hydraulic crawler, 1-2 cy 2 2 0 2 99 1 0	52 52 52 52 52 52 52 52 52 52 52 52 52 5	Butler County Harrison County Harrison County Harrison County	County Co	15305 15305	12 15 188 23 277 31 33 355 37 42 44 49 103 103 107 111 115 127 130 130 138 141 141 146	Semi-Tractor Hydraulic wheeled, 2+ cy Hydraulic crawler, 2+ cy Drum Roller 40-67" Sheep's Foot Roller 40-67" Loader Crawler 80+ HP Wheel Loader 2 cy + Mowing Tractor 45-65 HP Tractor Loader-Backhoe Cranes Dozer, 150-300 HP Motor grader, >135 HP Skid Steer Loader, Wheel or Track Broom, Attachment Brush Chipper Compressor, Air 125-200 Conveyor, Salt Driver, Pile or Pipe Hydro-Seeder Pump, Mud Paddle/Colloidal Saw, Concrete Sprayer, Weed Trailer, Low Bed Semi Washer, Hi-Power Water Single Axle, Dump Body Single axle, Gutbed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1 0.5 1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1		100 0 100 0 100 0 100 0 100 0 100 0 100 0 50 50 100 0 100 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
168 Harrison County County 15666 12 Semi-Tractor 2 2 0 2 100 0 0 168 Harrison County County 15666 14 Hydraulic wheeled, 1-2 cy 2 2 0 2 99 1 0 168 Harrison County County 15666 17 Hydraulic crawler, 1-2 cy 2 2 0 2 99 1 0 168 Harrison County County 15666 17 Hydraulic crawler, 1-2 cy 2 2 0 2 99 1 0	52 52 52 52 52 52 52 52 52 52 52 52 52 5	Butler County Harrison County Harrison County Harrison County Harrison County	County Co	15305, 15	12 15 15 18 18 18 18 18 18 18 18 18 18 18 18 18	Semi-Tractor Hydraulic wheeled, 2+ cy Hydraulic crawler, 2+ cy Drum Roller 40-67" Sheep's Foot Roller 40-67" Loader Crawler 80+ HP Wheel Loader 2 cy + Mowing Tractor 45-65 HP Tractor Loader-Backhoe Crames Dozer, 150-300 HP Motor grader, >135 HP Motor grader, >135 HP Skid Steer Loader, Wheel or Track Broom, Attachment Brush Chipper Compressor, Air 125-200 Conveyor, Salt Driver, Pile or Pipe Hydro-Seeder Pump, Mud Paddle/Colloidal Saw, Concrete Sprayer, Weed Trailer, Belly Dump Trailer, Low Bed Semi Washer, Hi-Power Water Single Axle, Dump Body Single axle, flatbed Tandem axle, dump body	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	1		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1 1 1 0.5 1 1 2 2 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100 0 100 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
168 Harrison County County 15666 14 Hydraulic wheeled, 1–2 cy 2 0 2 99 1 0 168 Harrison County County 15666 17 Hydraulic crawler, 1–2 cy 2 2 0 2 99 1 0	52 52 52 52 52 52 52 52 52 52 52 52 52 5	Butler County Harrison County Harrison County Harrison County Harrison County Harrison County	County Co	15305 15305	122 15 188 23 277 31 33 35 35 42 44 49 53 103 105 105 111 115 127 130 138 144 141 146 146 146 146 146 146 146 146	Semi-Tractor Hydraulic wheeled, 2+ cy Hydraulic crawler, 2+ cy Drum Roller 40-67* Sheep's Foot Roller 40-67* Loader Crawler 80+ HP Wheel Loader 2 cy + Mowing Tractor 45-65 HP Tractor Loader-Backhoe Cranes Dozer, 150-300 HP Motor grader, >135 HP Skid Steer Loader, Wheel or Track Broom, Attachment Brush Chipper Compressor, Air 125-200 Conveyor, Salt Driver, Pile or Pipe Hydro-Seeder Pump, Mud Paddle/Colloidal Saw, Concrete Sprayer, Weed Trailer, Low Bed Semi Washer, Hi-Power Water Single Avle, Dump Body Single Avle, Dump Body Single Avle, Dump Body Single avle, flatbed Tandern avle, dump body Plattorm Boom (High-Reach)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	1		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100 0 100 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
168 Harrison County County 15666 17 Hydraulic crawler, 1–2 cy 2 0 2 99 1 0	52 52 52 52 52 52 52 52 52 52 52 52 52 5	Butler County Harrison County	County Co	15305, 15	12 15 15 18 18 18 18 18 18 18 18 18 18 18 18 18	Semi-Tractor Hydraulic wheeled, 2+ cy Hydraulic crawler, 2+ cy Drum Roller 40-67° Sheep's Foot Roller 40-67° Sheep's Foot Roller 40-67° Loader Crawler 80+ HP Wheel Loader 2 cy + Mowing Tractor 45-65 HP Tractor Loader-Backhoe Cranes Dozer, 150-300 HP Motor grader, >135 HP Skid Steer Loader, Wheel or Track Broom, Attachment Brush Chipper Compressor, Air 125-200 Conveyor, Salt Driver, Pile or Pipe Hydro-Seeder Pump, Mud Paddle/Colloidal Saw, Concrete Sprayer, Weed Trailer, Belly Dump Trailer, Low Bed Semi Washer, Hi-Power Water Single Axle, Dump Body Single axle, flatbed Tandem axle, dump body Platform Boom (High-Reach) Truck-Mounted Bitumen Distrubutor	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	1		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1 1 0.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100 0 100 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	52 52 52 52 52 52 52 52 52 52	Butler County Harrison County	County Co	15305 15305	12 15 15 18 18 18 18 18 18 18 18 18 18 18 18 18	Semi-Tractor Hydraulic wheeled, 2+ cy Hydraulic crawler, 2+ cy Drum Roller 40-67* Sheep's Foot Roller 40-67* Loader Crawler 80+ HP Wheel Loader 2 cy + Mowing Tractor 45-65 HP Tractor Loader-Backhoe Cranes Dozer, 150-300 HP Motor grader, >135 HP Skid Steer Loader, Wheel or Track Broom, Attachment Brush Chipper Compressor, Air 125-200 Conveyor, Salt Driver, Pile or Pipe Hydro-Seeder Hydro-Seeder Pump, Mud Paddle/Colloidal Saw, Concrete Sprayer, Weed Trailer, Low Bed Semi Washer, HI-Power Water Single Axle, Dump Body Single axle, flatbed Tandern Boom (High-Reach) Truck-Mounted Bitumen Distrubutor Semi-Tractor Hydraulic wheeled, 1-2 cy	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	1 1 1		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100 0 100 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	52 52 52 52 52 52 52 52 52 52 52 52 52 5	Butler County Harrison County	County Co	15305 15305	12 15 18 23 27 31 33 35 35 42 44 44 105 107 115 115 127 130 138 141 141 146 146 146 146 146 146 146 146	Semi-Tractor Hydraulic wheeled, 2+ cy Hydraulic crawler, 2+ cy Drum Roller 40-67" Sheep's Foot Roller 40-67" Loader Crawler 80+ HP Wheel Loader 2 cy + Mowing Tractor 45-65 HP Tractor Loader-Backhoe Crames Dozer, 150-300 HP Motor grader, >135 HP Skid Steer Loader, Wheel or Track Broom, Attachment Brush Chipper Compressor, Air 125-200 Conveyor, Salt Driver, Pile or Pipe Hydro-Seeder Dymp, Mud Paddle/Colloidal Saw, Concrete Sprayer, Weed Trailer, Belly Dump Trailer, Low Bed Semi Washer, Hi-Power Water Single Axle, Dump Body Single axle, flatbed Tandem axle, dump body Platform Boom (High-Reach) Truck-Mounted Biltumen Distrubutor Semi-Tractor Hydraulic wheeled, 1-2 cy Hydraulic crawler, 1-2 cy	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	1		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100 0 0 100	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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ID Entity 168 Harrison County	Type County	Pop. 15666	Line	Type of Equipment Wheel Loader 2 cy +	* 5	/ * ·	/*/	*. / *.	1 4	· * ·	*. / *.	/*	1 4	5	010	99	000	0
168 Harrison County	County	15666	35	Mowing Tractor 45-65 HP	2	2				0				2		100	0	0
168 Harrison County	County	15666		Mowing Tractor 65+ HP	4					0				4		100	0	0
168 Harrison County	County	15666		Dozer, 150 HP or less	1	1				0				1		95	5	0
168 Harrison County 168 Harrison County	County	15666 15666		Motor grader, >135 HP Scraper, Rubber Tire Elevating >15 cy	13	13		-		0				13		100 90	10	0
168 Harrison County	County	15666		Skid Steer Loader, Wheel or Track	1	1				0				1		100	0	0
168 Harrison County	County	15666		Pulverizer/Grinder	1	1				0				1		90	10	0
168 Harrison County	County	15666		Broom, Attachment	1					0				1		100	0	0
168 Harrison County	County	15666	104	Brush Chipper	1	2				0				1		100 90	10	0
168 Harrison County 168 Harrison County	County	15666 15666	110	Compressor, Air 125-200 Drill, Vertical	1					0		1	1	1		100	0	0
168 Harrison County	County	15666		Grapple Attachment, Loader	1					0		<u> </u>		1		100	0	0
168 Harrison County	County	15666	130	Saw, Concrete	1	1				0				1		90	10	0
168 Harrison County	County	15666		Trailer, Low Bed Semi	1	_			1	0		<u> </u>	 	1		99	1	0
168 Harrison County 168 Harrison County	County	15666 15666		Trailer-pup Trailer-tank	1				1	0		-	 	4		99	10	0
77 Dickinson County	County	16424		Single Axle, Dump Body	6				,	0		1		6	100	100	0	0
77 Dickinson County	County	16424		Single axle, flatbed	2			1		0				2	100	100	0	0
77 Dickinson County	County	16424	3	Single axle, van body	1				$\perp \Box$	0			\Box	1	100		100	0
77 Dickinson County	County	16424	4	Tandem axle, dump body	8			1		0				8	100	97	3	0
77 Dickinson County 77 Dickinson County	County	16424 16424	15	Hydraulic wheeled, 2+ cy Drum Roller 40–67"	1					0				1				-
77 Dickinson County	County	16424		Wheel Loader 2 cy +	6					0				6				
77 Dickinson County	County	16424	36	Mowing Tractor 65+ HP	2	2				0				2				
77 Dickinson County	County	16424		Motor grader, >135 HP	11	3		8	1	0				11				
77 Dickinson County 77 Dickinson County	County	16424 16424		Broom, Attachment Brush Chipper	1	1				0				1			_	_
77 Dickinson County	County	16424		Compressor, Air 125-200	4					0				4				
77 Dickinson County	County	16424	107	Conveyor, Salt	3					0				3				
77 Dickinson County	County	16424		Drill, Vertical	1	_				0				1				
77 Dickinson County	County	16424		Hydro-Seeder	1					0				1				_
77 Dickinson County 77 Dickinson County	County	16424 16424		Saw, Concrete Seeder	1					0				1				-
77 Dickinson County	County	16424		Shouldering Machine	1	1				0				1				
77 Dickinson County	County	16424	136	Snow Blower, Attachment	3					0				3				
77 Dickinson County	County	16424		Sprayer, Weed	1	2				0				2				
77 Dickinson County 77 Dickinson County	County	16424 16424		Sweeper Attachment Trailer, Low Bed 15 Ton	1	_				0				1				-
77 Dickinson County	County	16424		Washer, Hi-Power Water	3					0				3				
57 Hamilton County Secondary Road Department	County	16438		Single Axle, Dump Body	8					0				8		92	8	0
57 Hamilton County Secondary Road Department	County	16438		Single axle, van body	1					0				1		94	6	0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438 16438		Tandem axle, dump body Water Truck	14	14				0				14		93	7	0
57 Hamilton County Secondary Road Department	County	16438		Semi-Tractor	2	2				0				2		83	17	0
57 Hamilton County Secondary Road Department	County	16438	13	Hydraulic wheeled, < 1 cy	1	1				0				1		100	0	0
57 Hamilton County Secondary Road Department	County	16438		Hydraulic crawler, 1–2 cy	1					0				1		50	50	0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438 16438		Drum Roller 40–67" Integrated Tool Carrier	1					0		1		1		100 100	0	0
57 Hamilton County Secondary Road Department	County	16438		Wheel Loader 2 cv +	2					0				2		100	0	0
57 Hamilton County Secondary Road Department	County	16438	34	Mowing Tractor <45 HP	1					0				1		100	0	0
57 Hamilton County Secondary Road Department	County	16438	36	Mowing Tractor 65+ HP	1	1			oxdot	0		1	\Box	1		100	0	0
57 Hamilton County Secondary Road Department	County	16438		Tractor Loader-Backhoe	2					0				2		71	29	0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438 16438		Dozer, 150 HP or less Motor grader, >135 HP	12					0				12		80 98	20	0
57 Hamilton County Secondary Road Department	County	16438		Drum Roller < 40"	1	12	1			0				1		83	17	0
57 Hamilton County Secondary Road Department	County	16438	102	Breaker Pavement, Attachment	1					0				1		50	50	0
57 Hamilton County Secondary Road Department	County	16438		Broom, Attachment	1			_	1	0		1		1		100	0	0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438 16438		Brush Chipper Compressor, Air 125-200	1		1	-		0		1	\vdash	2		100	0	0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438		Conveyor, Salt	2		2			0				2		100	0	0
57 Hamilton County Secondary Road Department	County	16438	115	Hydro-Seeder	1		1			0				1		100	0	0
57 Hamilton County Secondary Road Department	County	16438	131	Seeder	1		1		oxdot	0		1	\Box	1		75	25	0
57 Hamilton County Secondary Road Department	County	16438 16438		Shouldering Machine	1		1	-	\vdash	0			$\vdash \vdash$	1		100 100	0	0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438	136	Snow Blower, Attachment Trailer, Low Bed 15 Ton	2			-	1 1	0		1	1	2		83	17	0
57 Hamilton County Secondary Road Department	County	16438	144	Trailer, Low Bed Semi	2			1		0		<u> </u>		2		75	25	0
57 Hamilton County Secondary Road Department	County	16438	151	Man Lift	1		1			0				1		100	0	0
57 Hamilton County Secondary Road Department 57 Hamilton County Secondary Road Department	County	16438		6" Pump	1		1		1	0		1		1		50	50	0
ar I Hamilion County Secondary Road Department																		
57 Hamilton County Secondary Road Department	County	16438 16438		Distributor Water Band Saw	1	1	1			0			 	1		100	0	0

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ID 57	Entity Hamilton County Secondary Road Department	Type County	Pop. 16438	Line	Type of Equipment Iron Worker	*0	*\cdot*	/* [©]	/* _(C)	/*6.	40,	/*\ ^{\\} /*\ ^{\\}	/ *×°	/*2.	\\ \text{\sqrt{\sq}}}}}}}}}}}}} \end{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \end{\sqnt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \end{\sqit{\sqrt{\sq}\end{\signt{\sqrt{\sq}}}}}}}}} \end{\sqrt{\sq}}}}}}} \sqit{\	1000	100	O Other
57	Hamilton County Secondary Road Department	County	16438	156	Brake Lathe	1		1				0			1		100	0 0
	Floyd County Floyd County	County	16900 16900		Single Axle, Dump Body Single axle, van body	-				1		0			1		75 50	25 0 50 0
29	Floyd County	County	16900	4	Tandem axle, dump body	6	_					0			6		20	80 0
	Floyd County Floyd County	County	16900 16900		Platform Boom (High-Reach) Semi-Tractor	1	1			1		0			1 1		90 50	10 0 50 0
29	Floyd County	County	16900	14	Hydraulic wheeled, 1-2 cy	1						0			1		70	30 0
	Floyd County Floyd County	County	16900 16900		Hydraulic crawler, 1–2 cy Drum Roller 40–67"	1				- 1		0			1		30 50	70 0 50 0
29	Floyd County	County	16900	28	Sheep's Foot Roller 67"+	1	1			1		0			1		10	90 0
29	Floyd County Floyd County	County	16900 16900		Wheel Loader 2 cy + Mowing Tractor 65+ HP	3	3 2			2		0			3		50 100	50 0 0 0
29	Floyd County	County	16900	43	Dozer, 150 HP or less	2					2	2			2 4		100	0 0
	Floyd County Floyd County	County	16900 16900		Dragline, > 1/2 cy Motor grader, 135 HP or less	2	2				2	2			2 4		10 100	90 0
29	Floyd County	County	16900	49	Motor grader, >135 HP	13					1	1			1 14		90	10 0
	Floyd County Floyd County	County	16900 16900		Breaker Pavement, Attachment Broom, Attachment	1				1		0			1 1		50 100	50 0 0 0
29	Floyd County	County	16900	104	Brush Chipper	1				2		0			1		100	0 0
	Floyd County Floyd County	County	16900 16900	105 110	Compressor, Air 125-200 Drill, Vertical	1				1		0			1		40 0	60 0 100 0
29	Floyd County	County	16900	112	Filler, Crack	1	1 1					0			1		10	90 0
	Floyd County Floyd County	County	16900 16900		Grapple Attachment, Loader Heater, Pre-Mix	1	1 1					0			1 1		50 90	50 0 10 0
29	Floyd County	County	16900	114	Heater, Pre-Mix	1						0			1		20	80 0
	Clay County Floyd County	County	17372 16900		Single Axle, Dump Body Pump, Mud Paddle/Colloidal	1 2	1 2					0			1 2		100 50	50 0
29	Floyd County	County	16900	130	Saw, Concrete	1	ı			1		0			1		0	100 0
	Floyd County Floyd County	County	16900 16900		Sprayer, Weed Trailer, Low Bed 15 Ton	2				1		0			1		100 50	0 0 50 0
29	Floyd County	County	16900	145	Trailer, Van	1				1		0			1		50	50 0
	Floyd County Crawford County	County	16900 16942		Washer, Hi-Power Water Single Axle, Dump Body	12	1	12				0			12	,	100 99	0 0
35	Crawford County	County	16942	2	Single axle, flatbed	1	ı	1				0			1		95	5 0
	Crawford County Crawford County	County	16942 16942	3	Single axle, van body Platform Boom (High-Reach)	1				1		0			1 1		95 100	5 0
35	Crawford County	County	16942	12	Semi-Tractor	2	2 1			1		0			2	2	95	5 0
	Crawford County Crawford County	County	16942 16942		Hydraulic wheeled, < 1 cy Hydraulic crawler, 1–2 cy	2	2 2	1				0			1		100 95	0 0 5 0
35	Crawford County	County	16942	27	Sheep's Foot Roller 40-67"	2	2			2		0			2		95	5 0
	Crawford County Crawford County	County	16942 16942	30	Loader Crawler 80 HP or less Wheel Loader 2 cy +	3		2		1 5		0			3		95 100	5 0
35	Crawford County	County	16942	36	Mowing Tractor 65+ HP	2	2 2	J		3		0			2		100	0 0
	Crawford County Crawford County	County	16942 16942		Cranes Dozer, 150 HP or less	1 3		1		1		0			1 3		95 95	5 0
35	Crawford County	County	16942	44	Dozer, 150-300 HP	1	1	- 1		'		0			1		95	5 0
	Crawford County Crawford County	County	16942 16942		Dragline, > 1/2 cy Motor grader, 135 HP or less	17		17		1		0	1		17		90 100	10 0
35	Crawford County	County	16942	52	Scraper, Rubber Tire Elevating >15 cy	1	l	- 17		1		0			1		95	5 0
	Crawford County Crawford County	County	16942 16942	103	Broom, Attachment Brush Chipper	1	2 2	1				0	1		1 2		100 100	0 0
35	Crawford County	County	16942	105	Compressor, Air 125-200	1				1		0			1		95	5 0
	Crawford County Crawford County	County	16942 16942	130	Saw, Concrete Trailer, Low Bed Semi	1) 1	1		1		0	1		1 2	,	100 95	0 0 5 0
144	Page County	County	16976	1	Single Axle, Dump Body	2	2 2			- 1		0			2	100	100	0 0
144	Page County Page County	County	16976 16976	2	Single axle, flatbed Tandem axle, dump body	6		H		-		0			6		100 100	0 0
144	Page County	County	16976	10	Truck-Mounted Bitumen Distrubutor	2	2 2					0			2	100	100	0 0
144	Page County Page County	County	16976 16976		Water Truck Semi-Tractor	1		H		-		0			1 2	100	100 100	0 0
144	Page County	County	16976	13	Hydraulic wheeled, < 1 cy	1	1 1					0			1	100	100	0 0
144	Page County Page County	County	16976 16976		Hydraulic crawler, 1–2 cy Drum Roller 40–67"	2		H		-		0			1		100	0 0
144	Page County	County	16976	29	Integrated Tool Carrier	1	1 1					0			1	100	100	0 0
144	Page County Page County	County	16976 16976	35	Mowing Tractor 45-65 HP Dozer, 150-300 HP	2	2 2	H		-		0			2	75	100 100	0 0
144	Page County	County	16976	46	Dragline, 1/2 cy or less	2	2	2				0			2	75	100	0 0
144	Page County	County	16976 16976	47	Dragline, > 1/2 cy	1	1 0	1	-1			0			1	75 100	100 100	0 0
144	Page County	County	169/6	48	Motor grader, 135 HP or less	(ı 9					U	1	1	9	100	100	0 0

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ID	Entity	Туре	Pop.	Line	Type of Equipment	/*0,/*	Ario Site / S	T/490	/%/ *\ ₂	*\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1/2/20	/% ³ /	3/0 M / 0/0	Office /
144	Page County	County	16976	50	Self-Propelled Chip Spreader				(o I					0
144	Page County	County	16976	65	Pickups	13 ′			()		13	100	100 0	0
144	Page County	County	16976 16976		Fuel Truck SUV	1	1	-	(1	100	100 0	0
	Page County Page County	County	16976		Car	1		1		-		1		100 0	0
144	Page County	County	16976		Brush Chipper	1	1		()		1	100	100 0	0
144	Page County	County	16976	105	Compressor, Air 125-200	_	2		(,		2		100 0	0
144	Page County	County	16976		Hydro-Seeder	1	1		(1	50	100 0	0
144	Page County Page County	County	16976 16976		Sweeper Attachment Trailer, Belly Dump	1	1		(1	100 100	100 0 100 0	0
	Page County	County	16976		Trailer, Low Bed Semi		1					1		100 0	0
144	Page County	County	16976	150	Welder Gas Driven	0			i			1	100	100 0	0
144	Page County	County	16976	178	Tractor	1	1		(,		1	75	100 0	0
	Page County	County	16976 16976		Trailer Reller Rubber Tired	2	2		(2	100	100 0	0
144	Page County Page County	County	16976 16976	181	Roller, Rubber Tired Water Pump	1	1		(1		100 0	0
	Page County	County	16976		Scraper	1	1					1	75	100 0	0
144	Page County	County	16976	183	Sheep's Foot Roller	3	3		()		3	75	100 0	0
144	Page County	County	16976		Homemade Trailer Pole	2	2		(-		2		100 0	0
87	Kossuth County Kossuth County	County	17163 17163		Single Axle, Dump Body Single axle, flatbed	4	2 2		(+ + +	4	100 100	100 0	0
	Kossuth County Kossuth County	County	17163		Single axle, ratbed Single axle, van body	1	1	- 1)		1	100	100 0	0
87	Kossuth County	County	17163	4	Tandem axle, dump body	23 2	3					23	100	100 0	0
87	Kossuth County	County	17163	13	Hydraulic wheeled, < 1 cy	1		1	()		1		100 0	0
	Kossuth County	County	17163		Hydraulic crawler, <1 cy	2	2		(2	75	100 0	0
	Kossuth County Kossuth County	County	17163 17163		Sheep's Foot Roller 40-67" Loader Crawler 80 HP or less	2	1	2		,		2	50 75	100 0	0
	Kossuth County	County	17163		Wheel Loader 2 cy or less	3		3		-		3		100 0	0
	Kossuth County	County	17163		Wheel Loader 2 cy +	5	3	2	(5	100	100 0	0
	Kossuth County	County	17163	35	Mowing Tractor 45-65 HP	4	4		(4		100 0	0
	Kossuth County	County	17163		Tractor Loader-Backhoe	4	1 3	0	(0		4	75	100 0	0
	Kossuth County Kossuth County	County	17163 17163		Dozer, 150 HP or less Motor grader, >135 HP	24	4 20	2	- (24	62.5 90.63	100 0 100 0	0
	Kossuth County	County	17163		Compressor, Air 125-200	1	1					1		100 0	0
87	Kossuth County	County	17163	115	Hydro-Seeder	1	1		()		1	50	100 0	0
	Kossuth County	County	17163	134	Shouldering Machine	1		1	(,		1	75	100 0	0
	Kossuth County	County	17163 17372		Snow Blower, Attachment Single Axle, Dump Body	4	4		(4		100 0 100 0	0
72	Clay County Clay County	County	17372		Single axle, flatbed	2	2					2		100 0	0
72	Clay County	County	17372		Tandem axle, dump body	9	9		(9		100 0	0
72	Clay County	County	17372	9	Platform Boom (High-Reach)	1	1		(1		100 0	0
72	Clay County	County	17372	12	Semi-Tractor	1	4	1	(-		1		100 0	0
	Clay County Clay County	County	17372 17372		Hydraulic wheeled, 2+ cy Drum Roller 40–67"	1	1		(ń		1		100 0	0
72	Clay County	County	17372	29	Integrated Tool Carrier	1	1		(1		100 0	0
72	Clay County	County	17372	33	Wheel Loader 2 cy +	7	5	2	(-		7		100 0	0
	Clay County	County	17372	35	Mowing Tractor 45-65 HP Tractor Loader-Backhoe	2	2		(-		2		100 0	0
	Clay County Clay County	County	17372 17372		Dozer, 150-300 HP	1	1			,		1		100 0	0
72	Clay County	County	17372		Motor grader, >135 HP	13	13			,		13		100 0	0
72	Clay County	County	17372	51	Scraper, Rubber Tire Elevating <15 cy	1	1)		1		100 0	0
	Clay County	County	17372	53	Skid Steer Loader, Wheel or Track	1	1		(1		100 0	0
	Clay County Clay County	County	17372 17372		Lift Tractor Bucket Truck	1		1	(1		100 0	0
	Clay County	County	17372		Brush Chipper	1	1	'				1		100 0	0
	Clay County	County	17372	105	Compressor, Air 125-200	1	1		(1		100 0	0
	Clay County	County	17372	122	Marker, Centerline Paint	1	1		(,		1		100 0	0
	Clay County	County	17372		Saw, Concrete	1	1		(+ + +	1		100 0	0
72	Clay County Clay County	County	17372 17372	134	Shouldering Machine Trailer, Low Bed Semi	1	1	1		,		1		100 0 100 0	0
	Cedar County	County	18187		Single Axle, Dump Body	5	5		(5	100	100 0	0
241	Cedar County	County	18187	2	Single axle, flatbed	5	5		(-		5	100	100 0	0
	Cedar County	County	18187		Tandem axle, flatbed	8	8		(-		8		100 0	0
241	Cedar County Cedar County	County	18187 18187		Semi-Tractor Hydraulic wheeled, < 1 cy	2	1 1	2	(2	100 100	100 0	0
241	Cedar County Cedar County	County	18187	17	Hydraulic crawler, 1–2 cy	1	1			-		1	75	100 0	0
241	Cedar County	County	18187	30	Loader Crawler 80 HP or less	1		1	()		1	75	100 0	0
241	Cedar County	County	18187	33	Wheel Loader 2 cy +	2	2		(,		2	100	100 0	0
	Cedar County Cedar County	County	18187 18187		Mowing Tractor 65+ HP Tractor Loader-Backhoe	2	1		(-		2	75 75	100 0 100 0	0
241	Cedar County Cedar County	County	18187	43	Dozer, 150 HP or less	2	2			ő l		2	75	100 0	0
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ID	Entity	Туре	Pop.	Line	Type of Equipment	*Outer /*		*/*\^\	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	· / */›.	/*2/ /20 /	10/2 /0/07	ST STEEL STE
241	Cedar County	County	18187		Dozer, 150-300 HP	1 1	1 1	1 1	0			1 75	100 0 0
241	Cedar County	County	18187	46	Dragline, 1/2 cy or less	1	1		0				
241	Cedar County	County	18187	47	Dragline, > 1/2 cy	1		1	0			1 75 1 75	100 0 0
241	Cedar County	County	18187	49	Motor grader, >135 HP	12 1	1 1		0			12 100	100 0 0
	Cedar County	County	18187		Pickups	16 1	16		0			16 100	
	Cedar County	County	18187		Broom, Attachment	1	1		0			1 75	
	Cedar County	County	18187	104	Brush Chipper		1		0			1 100	
	Cedar County	County	18187	105	Compressor, Air 125-200	2	2		0			2 75	
	Cedar County	County	18187	111	Driver, Pile or Pipe	1	1		0				
	Cedar County Cedar County	County	18187 18187		Hydro-Seeder Seeder	1	1	+ +	0	1 -		1 75 1 75	100 0 0 100 0 0
241	Cedar County Cedar County	County	18187	138	Sprayer, Weed	1	1		0			1 75	
	Cedar County Cedar County	County	18187		Sweeper Attachment	1	1 '		0			1 75	
	Cedar County	County	18187	141	Trailer, Belly Dump	2	2		0			2 100	
	Cedar County	County	18187		Trailer, Low Bed 15 Ton	5	3 1	1	0			5 100	
	Cedar County	County	18187	144	Trailer, Low Bed Semi	1	1		0			1 100	
138	Delaware County	County	18404	1	Single Axle, Dump Body		9		0			9	95 5 0
138	Delaware County	County	18404	4	Tandem axle, dump body		4		0			4	95 5 0
138	Delaware County	County	18404	12	Semi-Tractor	1		1	0	\perp		1	80 20 0
138	Delaware County	County	18404 18404	14	Hydraulic wheeled, 1–2 cy	2	2	1	0	+		2	85 15 0 80 20 0
	Delaware County	County			Hydraulic crawler, 1–2 cy	1	1 4		0			1	
138	Delaware County Delaware County	County	18404 18404	27	Sheep's Foot Roller 40-67" Wheel Loader 2 cy +	3	2	4	0			3	50 50 0 100 0 0
	Delaware County Delaware County	County	18404		Mowing Tractor 45-65 HP	3	3	- '-	0			3	100 0 0
	Delaware County	County	18404	36	Mowing Tractor 65+ HP	2	2		0			2	100 0 0
	Delaware County	County	18404		Cranes		1		0			1	100 0 0
	Delaware County	County	18404	43	Dozer, 150 HP or less	1	1		0			1	50 50 0
138	Delaware County	County	18404	49	Motor grader, >135 HP	12	12		0			12	90 10 0
138	Delaware County	County	18404	53	Skid Steer Loader, Wheel or Track	1	1		0			1	90 10 0
	Delaware County	County	18404		Sign Truck	1	1		0			1	100 0 0
	Delaware County	County	18404		Pickups	3	3	1	0	+		3	30 70 0
	Delaware County	County	18404	81 82	1-Ton Utility Truck	3	2	+	0	+		2	100 0 0
	Delaware County	County	18404 18404		1-Ton Flatbed Car	3	1	+ +	0	1 -		1	100 0 0 100 0 0
138	Delaware County Delaware County	County	18404		1/2 Ton Pickup	1 2	2	+ +	0	+		2	90 10 0
	Delaware County Delaware County	County	18404		3/4 Ton Flatbed Truck	1	1		0			1	100 0 0
	Delaware County	County	18404		3/4 Ton Pickup	1	1		0			1	100 0 0
	Delaware County	County	18404	99	3/4 Ton Window Van	1	1		0			1	30 70 0
138	Delaware County	County	18404	100	1/2 Ton Window Van	1	1		0			1	100 0 0
138	Delaware County	County	18404		Breaker Pavement, Attachment	1	1		0			1	100 0 0
138	Delaware County	County	18404		Broom, Attachment	1	1		0			1	100 0 0
138	Delaware County	County	18404		Brush Chipper	2	2		0	+		2	100 0 0
138	Delaware County	County	18404 18404	105	Compressor, Air 125-200	1	1 1	+	0	_		1	100 0 0
	Delaware County Delaware County	County	18404		Grapple Attachment, Loader Saw, Concrete	1	1	+ +	0	1 -		1	100 0 0
138	Delaware County Delaware County	County	18404		Sprayer, Weed	1	1		0			1	100 0 0
	Delaware County	County	18404		Sweeper Attachment		1		0			1	100 0 0
	Delaware County	County	18404	144	Trailer, Low Bed Semi	1	1		0			1	100 0 0
53	Hardin County	County	18812	1	Single Axle, Dump Body		9		0			9	100 0 0
53	Hardin County	County	18812	2	Single axle, flatbed	-	1		0			1	
	Hardin County	County	18812		Tandem axle, dump body	5	5		0			5	100 0 0
	Hardin County	County	18812		Semi-Tractor	2	2		0	+		2	100 0 0
	Hardin County	County	18812		Hydraulic wheeled, 2+ cy		1	+	0	1		1	100 0 0
	Hardin County	County	18812	18	Hydraulic crawler, 2+ cy		1	+	0	_		0.5	100 0 0
	Hardin County Hardin County	County	18812 18812	20	Drum Roller 40–67" Loader Crawler 80 HP or less	0.5 0	1	+ +	0	1 -		0.0	100 0 0
	Hardin County	County	18812		Loader Crawler 80+ HP	-	1		0			1	100 0 0
53	Hardin County	County	18812		Wheel Loader 2 cy +	3	1		3 0			3	
	Hardin County	County	18812		Mowing Tractor 45-65 HP	2	2		0			2	100 0 0
53	Hardin County	County	18812	37	Tractor Loader-Backhoe	1	1		0			1	100 0 0
53	Hardin County	County	18812	44	Dozer, 150-300 HP		2		0			2	100 0 0
53	Hardin County	County	18812	47	Dragline, > 1/2 cy	2	2		0			2	50 50 0
	Hardin County	County	18812		Motor grader, >135 HP		5		0			15	100 0 0
	Hardin County	County	18812	104	Brush Chipper		1		0	+		1	100 0 0
53	Hardin County	County	18812	105	Compressor, Air 125-200	1	1	+	0			1	100 0 0 50 50 0
	Hardin County Hardin County	County	18812 18812	111	Driver, Pile or Pipe Hydro-Seeder	1	1	+ +	0	1 -		1	50 50 0 100 0 0
	Hardin County Hardin County	County	18812		Saw, Concrete	1	1	+	0	+		1	100 0 0
	Hardin County	County	18812	132	Sewer Jet	1	1		1 0			1	100 0 0
	Hardin County	County	18812		Sprayer, Weed	2	2		0			2	100 0 0
	Hardin County	County	18812	141	Trailer, Belly Dump	1	1		0			1	100 0 0

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ID	Entity	Туре	Pop.	Line Type of Equipment	*0.	/*`/*\	* /* /* /*	° /*, /*,	* / **	/*2 /4) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0/	10 / OHR
53	Hardin County	County	18812	144 Trailer, Low Bed Semi	2	2		0			2		0 0
	Hardin County	County	18812	146 Washer, Hi-Power Water	3	3	-	0			3	100	0 0
	Poweshiek County Poweshiek County	County	18815 18815	1 Single Axle, Dump Body	15	15		0					3 0 50 0
	Poweshiek County Poweshiek County	County	18815	2 Single axle, flatbed 4 Tandem axle, dump body	4		-	0					0 0
	Poweshiek County	County	18815	12 Semi-Tractor	1	1		0					50 0
	Poweshiek County	County	18815	13 Hydraulic wheeled, < 1 cy	2	2		0					0 0
	Poweshiek County	County	18815	31 Loader Crawler 80+ HP	1	1		0					0 0
	Poweshiek County	County	18815	33 Wheel Loader 2 cy +	4	4		0					0 0
	Poweshiek County Poweshiek County	County	18815 18815	36 Mowing Tractor 65+ HP 37 Tractor Loader-Backhoe	1	1	-+-+	0	_			75 100 75 100	0 0
	Poweshiek County	County	18815	43 Dozer, 150 HP or less	1	1		0	+				0 0
194	Poweshiek County	County	18815	44 Dozer, 150-300 HP	1	1		0			1	75 100	0 0
194	Poweshiek County	County	18815	47 Dragline, > 1/2 cy	2	2		0			2 1	00 75 2	25 0
	Poweshiek County	County	18815	49 Motor grader, >135 HP	13		+	0				00 100	0 0
	Poweshick County	County	18815 18815	51 Scraper, Rubber Tire Elevating <15 cy	1	1 3	-+-+	0		 			0 0
	Poweshiek County Poweshiek County	County	18815	103 Broom, Attachment 104 Brush Chipper	1	1	-	0					0 0
	Poweshiek County	County	18815	105 Compressor, Air 125-200	2	2		0	+			00 100	0 0
194	Poweshiek County	County	18815	130 Saw, Concrete	1	1		0			1	75 100	0 0
194	Poweshiek County	County	18815	131 Seeder	1	1		0					0 0
	Poweshiek County	County	18815	134 Shouldering Machine	1	1 3	$-\!\!+\!\!-\!\!\!+$	0			3 1		0 0
	Poweshiek County Poweshiek County	County	18815 18815	139 Sweeper Attachment 143 Trailer, Low Bed 15 Ton	3	3	-+-+	0					0 0
	Poweshiek County	County	18815	144 Trailer, Low Bed 13 1011	1	1		0					0 0
	Jones County Secondary Roads	County	20221	1 Single Axle, Dump Body	10	10		0			10	90	10 0
	Jones County Secondary Roads	County	20221	2 Single axle, flatbed	1	1		0			1		25 0
	Jones County Secondary Roads	County	20221	4 Tandem axle, dump body	6	6		0			6		10 0
	Jones County Secondary Roads	County	20221 20221	12 Semi-Tractor 15 Hydraulic wheeled, 2+ cy	1	1 2		0			1 2		50 0 25 0
	Jones County Secondary Roads Jones County Secondary Roads	County	20221	23 Drum Roller 40–67"	1	1	-+-+	0			1		0 0
	Jones County Secondary Roads	County	20221	33 Wheel Loader 2 cy +	4		1	0			4		20 0
	Jones County Secondary Roads	County	20221	35 Mowing Tractor 45-65 HP	6	5	1	0			6		0 0
	Jones County Secondary Roads	County	20221	37 Tractor Loader-Backhoe	1	1		0			1		40 0
	Jones County Secondary Roads	County	20221	43 Dozer, 150 HP or less	1	1		0			1		50 0
238	Jones County Secondary Roads	County	20221 20221	44 Dozer, 150-300 HP 47 Dragline, > 1/2 cy	2	1		0			2		50 0 50 0
	Jones County Secondary Roads Jones County Secondary Roads	County	20221	49 Motor grader, >135 HP	12	12	-	0			12		10 0
	Jones County Secondary Roads	County	20221	103 Broom, Attachment	1	1		0			1		0 0
	Jones County Secondary Roads	County	20221	105 Compressor, Air 125-200	1	1		0			1	50 5	50 0
	Jones County Secondary Roads	County	20221	130 Saw, Concrete	1	1		0			1	100	0 0
	Jones County Secondary Roads	County	20221	143 Trailer, Low Bed 15 Ton	1 1	1		0	+	 	1		50 0
	Jones County Secondary Roads Buena Vista County	County	20221 20411	144 Trailer, Low Bed Semi 1 Single Axle, Dump Body	1 5	5	-	0	+	1	5		0 0
	Buena Vista County	County	20411	2 Single axle, flatbed	1	1		0	+		1	100	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	12 Semi-Tractor	1	Ш Т	1	0		1 1	1		0 0
	Buena Vista County	County	20411	14 Hydraulic wheeled, 1–2 cy	2	2		0	+	 	2		0 0
	Buena Vista County Buena Vista County	County	20411 20411	23 Drum Roller 40–67" 28 Sheep's Foot Roller 67"+	1	+++	1	0	+	1	1		15 0
	Buena Vista County	County	20411	33 Wheel Loader 2 cy +	5	1 4		0			5		0 0
41	Buena Vista County	County	20411	36 Mowing Tractor 65+ HP	1	1		0			1	100	0 0
41	Buena Vista County	County	20411	37 Tractor Loader-Backhoe	2	2	\bot	0			2		0 0
	Buena Vista County	County	20411	43 Dozer, 150 HP or less	1	1	-	0		1	1		0 0
	Buena Vista County Buena Vista County	County	20411 20411	44 Dozer, 150-300 HP 49 Motor grader, >135 HP	16	1		0	+-	1	16		0 0
	Buena Vista County Buena Vista County	County	20411	51 Scraper, Rubber Tire Elevating <15 cy	10	- 0	- 0	1 1	_		1 2		15 0
41	Buena Vista County	County	20411	59 Single Axle, Sign Truck	1	1		0			1	100	0 0
41	Buena Vista County	County	20411	104 Brush Chipper	1	1		0			1		0 0
	Buena Vista County	County	20411	105 Compressor, Air 125-200	2	2	+	0			2	100	0 0
	Buena Vista County Buena Vista County	County	20411	112 Filler, Crack 132 Sewer Jet	1	1	-+-+	0		 	1		0 0
	Buena Vista County Buena Vista County	County	20411	132 Sewer Jet 144 Trailer, Low Bed Semi	1	1		0	+	1	1		0 0
	Buena Vista County	County	20411	144 Trailer, Low Bed Serrii 145 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			0			15	100	0 0
139	Buchanan County Secondary Road Department	County	21093	2 Single axle, flatbed	2	2	-	0		 	2		0 0
139	Buchanan County Secondary Road Department Buchanan County Secondary Road Department	County	21093 21093	4 Tandem axle, dump body 5 Tandem axle, flatbed	5	5	+	0	+	1	5	100 100	0 0
120							1 1	U	1	1 1	1 11	100	U
	Buchanan County Secondary Road Department	County	21093	12 Semi-Tractor	1	1		0			1	100	0 0

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ID	Entity	Type	Pop.	Line	Type of Equipment	*0.	/*<~		/*\\	120	/*^ /* <u>~</u>	*××	1,45	1/20.	1	/o/o	00/01/01/0	/OHT
139	Buchanan County Secondary Road Department	County	21093	16	Hydraulic crawler, <1 cy	1	1				0		<u> </u>	f f	1		100 0	0
	Buchanan County Secondary Road Department	County	21093		Rubber Tire Roller 9 wheel	1	1				0				1		100 0	
	Buchanan County Secondary Road Department	County	21093		Sheep's Foot Roller 67"+	1	1				0				1		100 0	
139	Buchanan County Secondary Road Department	County	21093	33	Wheel Loader 2 cy +	4	4				0				4		100 0	0
	Buchanan County Secondary Road Department	County	21093		Mowing Tractor 45-65 HP	4	4				0				4		100 0	
	Buchanan County Secondary Road Department	County	21093		Tractor Loader-Backhoe	1	1				0				1		100 0	
	Buchanan County Secondary Road Department	County	21093		Dozer, 150-300 HP	2	2				0				2		100 0	0
	Buchanan County Secondary Road Department	County	21093		Dragline, > 1/2 cy	1	1				0				1		100 0	0
139	Buchanan County Secondary Road Department	County	21093	49	Motor grader, >135 HP	13	13				0				13		100 0	0
	Buchanan County Secondary Road Department	County	21093	51	Scraper, Rubber Tire Elevating <15 cy	2	2				0				2		100 0	0
	Buchanan County Secondary Road Department	County	21093		Broom, Attachment	1	1				0				1		100 0	0
	Buchanan County Secondary Road Department	County	21093	104	Brush Chipper	2	2				0				2		100 0	0
139	Buchanan County Secondary Road Department	County	21093	105	Compressor, Air 125-200	1	1				0				1		100 0	0
139	Buchanan County Secondary Road Department	County	21093	111	Driver, Pile or Pipe	1	1				0				1		100 0	0
	Buchanan County Secondary Road Department	County	21093		Hydro-Seeder	1	1				0				1		100 0	0
	Buchanan County Secondary Road Department	County	21093	130	Saw, Concrete	1	1				0				1		100 0	0
	Buchanan County Secondary Road Department	County	21093		Seeder	1	1				0				1		100 0	
139	Buchanan County Secondary Road Department	County	21093	146	Washer, Hi-Power Water	1	1				0				1		100 0	0
	Winneshiek County	County	21310	1	Single Axle, Dump Body	5	5				0				5		100 0	
197	Winneshiek County	County	21310	2	Single axle, flatbed	2	2				0				2		100 0	
	Winneshiek County	County	21310	4	Tandem axle, dump body	12	12				0				12		100 0	
197	Winneshiek County	County	21310	12	Semi-Tractor	1		1			0				1		100 0	
	Winneshiek County	County	21310		Hydraulic wheeled, 1–2 cy	1	1				0				1		100 0	
	Winneshiek County	County	21310		Rubber Tire Roller 9 wheel	1	1				0				1		100 0	
	Winneshiek County	County	21310		Sheep's Foot Roller 40-67"	1	1				0				1		100 0	
	Winneshiek County	County	21310		Loader Crawler 80 HP or less	1	1				0				1		100 0	
	Winneshiek County	County	21310		Wheel Loader 2 cy or less	2	2				0				2		100 0	
	Winneshiek County	County	21310		Wheel Loader 2 cy +	4	4		1		0	1			4		100 0	
	Winneshiek County	County	21310		Mowing Tractor 45-65 HP	5	5		1		0	1			5		100 0	0
	Winneshiek County	County	21310		Mowing Tractor 65+ HP	1			1		0	1			1		100 0	
	Winneshiek County	County	21310		Tractor Loader-Backhoe	1	1		1		0	1			1		100 0	
	Winneshiek County	County	21310		Sweeper, 4 Wheel Mechanical	1	1		-	ļ	0	1	1	\vdash	1		100 0	
	Winneshiek County	County	21310	42	Cranes	1	1				0				1		100 0	
	Winneshiek County	County	21310	43	Dozer, 150 HP or less	1					0				1		100 0	
	Winneshiek County	County	21310		Dragline, 1/2 cy or less	1	1				0				1		100 0	
	Winneshiek County	County	21310	49	Motor grader, >135 HP	12					0				12		100 0	
	Winneshiek County	County	21310		Skid Steer Loader, Wheel or Track	1	1				0				1		100 0	
	Carroll County Secondary Road Department	County	21421		Single Axle, Dump Body	4					0				4	53.1	100 0	
	Carroll County Secondary Road Department	County	21421		Single axle, flatbed	1	1	-			0				1	52.5	71 29	
	Carroll County Secondary Road Department	County	21421		Tandem axle, dump body	7		7			0				7	87.1	98 2	
	Carroll County Secondary Road Department	County	21421		Semi-Tractor	1		1			0				1	80	97 3	
	Carroll County Secondary Road Department	County	21421	13	Hydraulic wheeled, < 1 cy	1		1	1	1	0	1			1	65	92 8	
68	Carroll County Secondary Road Department	County	21421	16	Hydraulic crawler, <1 cy	1		1	1	1	0	1			1	65	92 8	
68	Carroll County Secondary Road Department	County	21421		Loader Crawler 80 HP or less	2		2	1	1	0	1		\vdash	2	14.4	96 4	
	Carroll County Secondary Road Department	County	21421		Wheel Loader 2 cy +	3		3	1	-	0	1	1	+	- 3	66.7	100 0	
	Carroll County Secondary Road Department	County	21421		Dragline, 1/2 cy or less	1		1	+	-	0	1	1	+		17.5	86 14	
	Carroll County Secondary Road Department	County	21421		Dragline, > 1/2 cy	1 15	-	15	1 1	-	0	1		-	1	22.5	67 33	
	Carroll County Secondary Road Department	County	21421		Motor grader, >135 HP	15	-	15	1	-	0	1		-	15	65.5	99 1	0
	Carroll County Secondary Road Department	County	21421 21421		Skid Steer Loader, Wheel or Track	1	1	1	-	-	0	-		+	-1	100 2.5	100 0 100 0	
	Carroll County Secondary Road Department	County			Breaker Pavement, Attachment	1 1	-	1	-	-	0	-		\vdash	1			
	Carroll County Secondary Road Department	County	21421 21421		Broom, Attachment Compressor, Air 125-200	1	-		1	1	0	+	-	+	- 1	3.75	100 0 100 0	
	Carroll County Secondary Road Department		21421			1	1		1	1	0	+	-	+	- 1	5	100 0	
	Carroll County Secondary Road Department Carroll County Secondary Road Department	County	21421		Kettle, Bitumen Heater	1	1	1	1	1	0	+	-	+	- 1	37.5	100 0	
			21421		Sprayer, Weed Trailer, Relly Dump	1	1		1	1				 	1	42.5		
	Carroll County Secondary Road Department Carroll County Secondary Road Department	County	21421		Trailer, Belly Dump Trailer, Low Bed Semi	1		1	1	1	0			 	1	31.25	100 0 92 8	
	Carroll County Secondary Road Department Carroll County Secondary Road Department	County	21421		Trailer, Low Bed Serni Trailer, Van	1			1	1	0	1		l — †	1	25	40 60	
	Mahaska County Highway Dept.	County	22335	140	Single Axle, Dump Body	16			1 '	t	0	1			16		50 50	
	Mahaska County Highway Dept.	County	22335		Single axle, flatbed	2	2				0				2	-	50 50	
16	Mahaska County Highway Dept.	County	22335		Semi-Tractor	4	4		1	tt	0	1		l — †		\rightarrow	100 0	
	Mahaska County Highway Dept. Mahaska County Highway Dept.	County	22335		Hydraulic wheeled, 1–2 cy	2	2		1	t	0	1			2	+	0 100	
	Mahaska County Highway Dept.	County	22335		Hydraulic crawler, 2+ cy	2	2				0	1			2	\rightarrow	0 100	
	Mahaska County Highway Dept.	County	22335		Sheep's Foot Roller 67"+	1				1	0				1	-	0 100	
161	Mahaska County Highway Dept.	County	22335		Wheel Loader 2 cy +	2	2				0				2	-	50 50	
		County	22335		Mowing Tractor <45 HP	1	1				0				1	-	100 0	
16			22335	36	Mowing Tractor 65+ HP	3	3				0				3	\rightarrow	100 0	
16 16	Mahaska County Highway Dept. Mahaska County Highway Dept.	County							1	1	0	1	t		- 1		0 100	
16 16 16	Mahaska County Highway Dept.	County		43	Dozer, 150 HP or less	1	1	1 1										
16 16 16	Mahaska County Highway Dept. Mahaska County Highway Dept.	County	22335	43	Dozer, 150 HP or less	1	1				0				1	+		0
16 16 16 16	Mahaska County Highway Dept. Mahaska County Highway Dept. Mahaska County Highway Dept.	County	22335 22335	43	Dozer, 150 HP or less Dozer, 150-300 HP	1 13					0					4	0 100	
16 16 16 16 16	Mahaska County Highway Dept. Mahaska County Highway Dept.	County	22335	43 44 49	Dozer, 150 HP or less	1 1 13 4	1 1 13 4								13	\equiv		0

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111 Berner County	111	Bremer County			36	Mowing Tractor 65+ HP				0			3 75	
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111	111	Bremer County		23325	43	Dozer, 150 HP or less	3 3			0			3 75	
111	111	Bremer County	County	23325	49	Motor grader, >135 HP	12 12			0			12 87.5	95 5 0
11	111	Bremer County			103	Broom, Attachment							1 75	100 0 0
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111 Bermer County	111	Bremer County		23325	105	Compressor, Air 125-200	2	2		0			2 75	50 50 0
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111 Permer Country Secondary Roads Country 28323 4 Tenforms and, dump body 1 1 0 0 1 100 85 15 0 0 1 100 0 0 0 1 100 0									1					
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1676 Bone County Secondary Roads	167	Boone County Secondary Roads	County		130	Saw, Concrete		1		0				50 50 0
146 Marion County County 32052 1 Single Acle, Dump Body 13 13 0 13 100 100 0 0 146 Marion County County 32052 2 Single acle, flathed 1 1 0 1 100 100 0 0 146 Marion County County 32052 4 Tandem axle, dump body 5 5 0 0 5 100 100 0 0 0 146 Marion County County 32052 12 Semi-Tractor 1 0 1 1 0 1 100 100 0	167	Boone County Secondary Roads	County				1 1			0			1	
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146 Marion County County 32052 105 Compressor, Air 125-200 3 3 0 0 3 67 100 0 0 0 146 Marion County County 32052 111 Driver, Pile or Pipe 1 1 0 1 75 100 0 0 0 1 25 100 0 0 0 1 25 100 0 0 0 1 25 100 0 0 0 1 25 100 0 0 0 0 0 0 0 0	146	Marion County			103	Broom, Attachment			1					
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146 Marion County County 32052 130 Saw, Concrete 1 1 0 0 1 75 100 0 0 0 1 1 1 1 1													1 25	100 0 0
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146 Marion County County 32052 138 Sprayer, Weed 1 1 0 1 75 100 0 0 1 100 100 0 1 1								1		0	-			
146 Marion County County 32052 144 Trailer, Low Bed Semi 1 1 0 1 100 100 10 0 0 146 Marion County County 32052 146 Washer, Hi-Power Water 4 4 0 4 100 100 0 0 218 Wapello County County 36051 1 Single Axle, Dump Body 9 9 0 9 10 94 6 0 218 Wapello County County 36051 4 Tandem axle, dump body 1 1 0 1 100 100 100 0 0 218 Wapello County County 36051 12 Semi-Tractor 2 2 0 2 100 94 6 0 218 Wapello County County 36051 14 Hydraulic wheeled, 1-2 cy 1 1 0 1 100 75 25 0								1		U	+			
146 Marion County	146	Marion County			138	Trailer Low Red Semi					+			
218 Wapello County County 36051 1 Single Axle, Dump Body 9 9 0 9 100 94 6 0 218 Wapello County County 36051 4 Tandem axle, dump body 1 1 0 1 100 100 100 0 0 218 Wapello County County 36051 12 Semi-Tractor 2 2 0 2 100 94 6 0 218 Wapello County County 36051 14 Hydraulic wheeled, 1-2 cy 1 1 0 1 100 75 25 0	146	Marion County								0				
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218 Wapello County County 36051 12 Semi-Tractor 2 2 0 2 100 94 6 0 218 Wapello County County 36051 14 Hydraulic wheeled, 1–2 cy 1 1 0 1 100 75 25 0								Ü		0				
218 Wapello County County 36051 14 Hydraulic wheeled, 1–2 cy 1 1 0 1 100 75 25 0	218	Wapello County						2		ő				
218 Wapello County County 36051 18 Hydraulic crawler 2+ cy 1 1 1 0 1 1 100 50 50 0	218	Wapello County					1			Ö				
	218	Wapello County	County	36051			1	1		0			1 100	

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ID	Entity	Type	Pop.	Line	Type of Equipment	*Outer *Cot		A STEP STEP	14° /*/	" / *"	And September 1	1000 000	S Neither of State of
	Wapello County	County	36051		Loader Crawler 80+ HP	1	1		0				
	Wapello County	County	36051		Wheel Loader 2 cy +	1	1		1		1	2 62.5	100 0 0
	Wapello County	County	36051		Mowing Tractor 45-65 HP	13	13		0			13 100	100 0 0
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	Wapello County Wapello County	County	36051 36051		Dozer, 150-300 HP Motor grader, >135 HP	10 2		1	0			1 100 10 100	88 12 0 98 2 0
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	Wapello County	County	36051		Skid Steer Loader, Wheel or Track	1		1	0			1 100	100 0 0
	Wapello County	County	36051		Compressor, Air 125-200	1	1		0			1 100	100 0 0
	Wapello County	County	36051		Driver, Pile or Pipe	1	1		0			1 100	75 25 0
218	Wapello County	County	36051		Trailer, Belly Dump	1	1		0			1 100	100 0 0
	Wapello County	County	36051		Trailer, Low Bed Semi	1	1		0			1 100	50 50 0
218	Wapello County	County	36051		Forklift Bood Socifier/mixer	1		1	0			1 100	100 0 0
	Wapello County	County	36051 37213		Road Scarifier/mixer	1		1	0			1 100	75 25 0
	Jasper County Lee County	County	37213		Damaged Disk Single Axle, Dump Body	12 12		 	0			12	88 12 0
	Lee County	County	38052		Single axle, flatbed	2 1		1	0			2	100 0 0
147	Lee County	County	38052		Tandem axle, dump body	4 4			0			4	71 29 0
147	Lee County	County	38052		Truck-Mounted Bitumen Distrubutor	1	1		0			1	28 72 0
147	Lee County	County	38052	12	Semi-Tractor	2		2	0			2	100 0 0
	Lee County	County	38052		Hydraulic crawler, <1 cy	3 2	1		0			3	100 0 0
147	Lee County	County	38052		Drum Roller 40–67"	1 1	_		0			1	28 72 0 32 68 0
	Lee County Lee County	County	38052 38052		Rubber Tire Roller 7 wheel Loader Crawler 80+ HP	1 1	-1		0			1	32 68 0 100 0 0
	Lee County	County	38052		Wheel Loader 2 cv or less	1 1			0			1	100 0 0
	Lee County	County	38052		Mowing Tractor 45-65 HP	2 2			0			2	100 0 0
	Lee County	County	38052		Mowing Tractor 65+ HP	6 4	2		0			6	100 0 0
147	Lee County	County	38052		Tractor Loader-Backhoe	2 2			0			2	100 0 0
	Lee County	County	38052		Dozer, 150 HP or less	1 1			0			1	89 11 0
	Lee County	County	38052		Motor grader, >135 HP	8 8			0			8	100 0 0
	Lee County	County	38052 38052		Broom, Attachment	1	1		0			1	80 20 0 100 0 0
	Lee County Lee County	County	38052	104	Brush Chipper Compressor, Air 125-200	1	1		0			1	100 0 0
	Lee County	County	38052		Kettle, Bitumen Heater	1		1	0			1	100 0 0
147	Lee County	County	38052		Pump, Asphalt	1	1		0			1	100 0 0
	Lee County	County	38052		Shouldering Machine	1		1	0			1	100 0 0
	Lee County	County	38052		Trailer, Low Bed 15 Ton	2 2			0			2	100 0 0
	Lee County	County	38052		Trailer, Low Bed Semi	1 1			0			1	100 0 0
	Lee County	County	38052 38052		Washer, Hi-Power Water Steel Tankers	2	2		0			2	100 0 0 100 0 0
	Lee County Marshall County Secondary Road Dept.	County	39311		Single Axle, Dump Body	2	9		0			9	100 0 0 98 2 0
	Marshall County Secondary Road Dept. Marshall County Secondary Road Dept.	County	39311		Single axle, van body	1	1		0			1	100 0 0
120	Marshall County Secondary Road Dept.	County	39311	4	Tandem axle, dump body	7	7		0			7	98 2 0
120	Marshall County Secondary Road Dept.	County	39311	14	Hydraulic wheeled, 1–2 cy	1	1		0			1	99 1 0
120	Marshall County Secondary Road Dept.	County	39311	30	Loader Crawler 80 HP or less	1	1		0			1	100 0 0
	Marshall County Secondary Road Dept.	County	39311		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	1	0	_		1	100 0 0
	Marshall County Secondary Road Dept. Marshall County Secondary Road Dept.	County	39311 39311		Mowing Tractor 45-65 HP Mowing Tractor 65+ HP	1	1	1	0			1	100 0 0 100 0 0
	Marshall County Secondary Road Dept. Marshall County Secondary Road Dept.	County	39311		Tractor Loader-Backhoe	1	1		0			1	98 2 0
	Marshall County Secondary Road Dept.	County	39311		Tractor Loader-Box Blade	1	1		0			1	100 0 0
	Marshall County Secondary Road Dept.	County	39311		Motor grader, >135 HP	16	16		0			16	99 1 0
120	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		S/A Sign Truck with Digger Derrick	1	1		0			1	90 10 0
	Marshall County Secondary Road Dept.	County	39311		Trencher/Loader	1	1		0			1	100 0 0
	Marshall County Secondary Road Dept.	County	39311		Broom, Attachment	1	1	-	0			1	100 0 0
	Marshall County Secondary Road Dept. Marshall County Secondary Road Dept.	County	39311 39311	104	Brush Chipper Compressor, Air 125-200	1 2	2	1	0			2	100 0 0 100 0 0
	Marshall County Secondary Road Dept. Marshall County Secondary Road Dept.	County	39311		Heater, Pre-Mix	1	1		0			1	100 0 0
120	Marshall County Secondary Road Dept.	County	39311		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 0
120	Marshall County Secondary Road Dept.	County	39311	136	Snow Blower, Attachment	1	1		0			1	100 0 0
120	Marshall County Secondary Road Dept.	County	39311		Trailer, Low Bed 15 Ton	1	1		0			1	100 0 0
206	Webster County Engineer	County	40235		Single Axle, Dump Body	18 18			0			18	80 20 0
	Webster County Engineer	County	40235		Tandem axle, dump body	15 15 1		-	0			15	80 20 0 10 90 0
	Webster County Engineer	County	40235 40235		Semi-Tractor Hydraulic wheeled, 1–2 cy	1	1	1	U			1	10 90 0 80 20 0
	Webster County Engineer Webster County Engineer	County	40235		Drum Roller 40–67"	1	1	 	0			1	90 10 0
206	Webster County Engineer Webster County Engineer	County	40235	27	Sheep's Foot Roller 40-67"	1	-		1 0			1	0 100 0
206	Webster County Engineer	County	40235		Loader Crawler 80 HP or less	1		1	0			1	20 80 0
206	Webster County Engineer	County	40235		Wheel Loader 2 cy or less	3 3			0			3	80 20 0
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200, Webbet County Engineer	
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260 Webster County Engineer County 40256 37 Tractor Loader-Beschoo	
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200 Webster County Engineer County 40235 103 Blost New Albert 1 1 0 0	4 90 10 0
200 Webster County Engineer County 40235 103 Brown Attachment 1 1 0 0 1 1 0 1 1 0 1 1	16 90 10 0
206 Webster County Engineer County 40235 105 Group (County 40235 105 Control (County 40235 105 County 40235	1 80 20 0
206 Webster County Engineer County 40238 105 Compressor, Art 125-200 1 1 0 0	1 100 0 0
	1 100 0 0
2006 Webster County Engineer	1 90 10 0
206 Webster County Engineer	1 100 0 0
206 Webster County Engineer	1 100 0 0
2006 Webster County Engineer	1 100 0 0
206 Webster Courty Engineer	1 100 0 0
2006 Webster County Engineer County 40235 146 Washer, Hi-Power Water 4 4 6 0 143 Warren County Engineer's Office County 40671 1 Single Avide, During Body 15 9 6 0 143 Warren County Engineer's Office County 40671 1 Warren County Engineer's Office County 40671 1 Water Truck 1 1 1 0 0 1 1 1 1 0 1 1	1 80 20 0
143 Warren County Engineer's Office County 40671 1 Single Avle, Dump Body 15 9 6 0	1 10 90 0 4 100 0 0
143 Warren County Engineer's Office	
143 Warren County Engineer's Office County 40671 11 Water Truck 1 0 1 1 0 1 1 1 0 1 1	15 95 5 0 10 95 5 0
143 Waren County Engineer's Office County 40671 12 Semi-Tractor 1 1 0 1 1 1 0 1 1 1	1 100 0
143 Warren County Engineer's Office	1 100 0
143 Warren County Engineer's Office County 40671 23 Integrated Tool Carrier 1 1 0 1 1 0 1 1 1 1	2 100 0 0
143 Warren County Engineer's Office County 40671 29 Integrated Tool Carrier 1	1 100 0
143 Warren County Engineer's Office County 40671 35 Moving Tractor 54-65-HP 2 2 1 0 1 1 1 1 0 1 1 1	1 100 0
143 Warren County, Engineer's Office County 40671 36 Mowing Tractor 65+ HP 3 2 1 0 1 1 1 0 1 1 1 1	2 100 0 0
143 Warren County Engineer's Office	3 100 0 0
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143 Warren County Engineer's Office County 40671 103 Broom, Attachment 1 1 0 0 1 13 Warren County Engineer's Office County 40671 103 Broom, Attachment 1 1 0 0 1 13 Warren County Engineer's Office County 40671 104 Brush Chipper 1 1 0 0 1 13 Warren County Engineer's Office County 40671 105 Compressor, Afr 125:200 2 1 1 0 0 1 13 Warren County Engineer's Office County 40671 111 Driver, Pile or Pipe 1 1 0 0 1 143 Warren County Engineer's Office County 40671 112 Piler, Crack 1 1 0 0 1 143 Warren County Engineer's Office County 40671 115 Hydro-Seeder 1 1 0 0 1 143 Warren County Engineer's Office County 40671 115 Hydro-Seeder 1 1 0 0 1 143 Warren County Engineer's Office County 40671 129 Roller, Attachment 2 2 0 0 1 143 Warren County Engineer's Office County 40671 129 Roller, Attachment 2 2 0 0 1 143 Warren County Engineer's Office County 40671 139 Sweeper, Attachment 2 2 0 0 1 143 Warren County Engineer's Office County 40671 139 Sweeper, Attachment 1 1 0 0 1 1 1 1 1 1	2 100 0 0
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245 Dallas County County 40750 1 Single Akle, Dump Body 6 1 5 0 0	1 100 0 0 1 100 0 0
245 Dallas County County A0750 2 Single avie, flathed 2 1 1 0	6 100 100 0
245 Dallas County County 40750 4 Tandem axle, dump body 7 3 4 0 0	2 100 100 0
245 Dallas County County 40750 11 Water Truck 2 2 0 245 Dallas County County 40750 13 Hydraulic wheeled, <1 cy	7 100 100 0
245 Dallas County County 40750 13 Hydraulic wheeled, < 1 cy 2 2 0 0	2 75 100 0
245 Dallas County County 40750 31 Loader Crawler 80+ FP 2 2 0 245 Dallas County County 40750 32 Wheel Loader 2 cy or less 3 3 0 245 Dallas County County 40750 36 Mowing Tractor 45-65 FP 3 3 0 245 Dallas County County 40750 36 Mowing Tractor 65+ FP 1 1 0 245 Dallas County County 40750 37 Tractor Loader-Backhoe 1 1 0 245 Dallas County County 40750 49 Motor grader, >135 FP 12 10 2 0 245 Dallas County County 40750 49 Motor grader, >135 FP 12 10 2 0 245 Dallas County County 40750 102 Breaker Pavement, Attachment 1 1 0 245 Dallas County County 40750 103 Broom, Attachment 1 1 0 245 Dallas County County 40750 104 Brush Chipper 2 2 2	2 75 100 0
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245 Dallas County County 40750 102 Breaker Pavement, Attachment 1 1 0 245 Dallas County County 40750 103 Broom, Attachment 1 1 0 245 Dallas County County 40750 104 Brust Chipper 2 2 0 245 Dallas County County 40750 105 Compressor, Air 125-200 2 2 0 245 Dallas County County 40750 110 Drill, Vertical 2 2 0 245 Dallas County County 40750 115 Hydro-Seeder 1 1 0	12 100 100 0 0
245 Dallas County County 40750 103 Brom, Attachment 1 1 0 245 Dallas County County 40750 104 Brush Chipper 2 2 0 245 Dallas County County 40750 105 Compressor, Air 125-200 2 2 0 245 Dallas County County 40750 110 Inil, Vertical 2 2 0 245 Dallas County County 40750 115 Inil, Vertical 2 2 0 245 Dallas County County 40750 115 Inil, Vertical 1 1 0	1 100 100 0 0
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245 Dallas County County 40750 105 Compressor, Air 125-200 2 2 0 245 Dallas County County 40750 110 Drill, Vertical 2 2 0 245 Dallas County County 40750 115 Hydrored 1 1 0	1 75 100 0 0
245 Dallas County County 40750 110 Drill, Vertical 2 2 0 245 Dallas County County 40750 115 Hydro-Seeder 1 1 0	2 100 100 0 0
245 Dallas County County 40750 115 Hydro-Seeder 1 1 0	2 100 100 0 0
	2 100 100 0 0 1 75 100 0 0
245 Dallas County County 40750 130 Saw, Concrete 1 1 0	1 75 100 0 0 1 75 100 0 0
245 Dallas County County 40750 130 Saw, Concrete 1 1 0 245 Dallas County County 40750 131 Seeder 1 1 0	1 75 100 0 0
243 Dallas County County 40750 131 Secure 1 1 1 0 1 245 Dallas County County 40750 132 Sewer Jet 1 1 0 0 1	1 75 100 0 0
245 Dallas County County 40750 132 [Sewer Jet 1 1 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 75 100 0 0
2-13 Daties County County 40750 130 Springer, revenue 1 1 0 0 1 245 Daties County County 40750 143 Trailer, Low Bed 15 Ton 3 3 0 0	3 100 100 0
245 Dallas County County 40750 145 Trailer, Van 1 1 1 0	1 0 0 0
245 Dallas County County 40750 216 Single Axle, Sign Truck 2 1 1 0	2 100 100 0
245 Dallas County County 40750 217 Single Axle, Spray Truck 1 1 1 0	1 75 100 0
245 Dallas County County 40750 218 Trailer, 5 ton 1 1 0	1 100 100 0
245 Dallas County County 40750 219 Trailer, end dump 4 4 0	4 75 100 0 0
245 Dallas County County 40750 220 Batwing mower 2 2 0	2 75 100 0 0
245 Dallas County County 40750 221 Retriever, rock 1 1 0	1 75 100 0 0
145 Muscatine County Highway Department County 41722 1 Single Axle, Dump Body 2 2 0	2 100 0 0
145 Muscatine County Highway Department County 41722 2 Single axle, flatbed 1 1 0	1 100 0 0
145 Muscatine County Highway Department County 41722 4 Tandem axle, dump body 11 11 0	11 95 5 0

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				Equip.		Cul	~ //.s		Er Vile	100	" / B" / S	60 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Chore	1000	14	150	Nam /	CON Jos
ID	Entity	Type	Pop.	Line	Type of Equipment	/*°	/*× .	/*`/*`	/*×	/20	/*` /*`	/*\`	/*° .	/40 /	140	/o/o	00,00	6 \ Q_{II.
145	Muscatine County Highway Department	County	41722		Semi-Tractor	1	1				0				1			5 U
145	Muscatine County Highway Department	County	41722	14	Hydraulic wheeled, 1-2 cy	1		1			0				1		100	0 0
145	Muscatine County Highway Department	County	41722		Hydraulic crawler, 1–2 cy	1		1			0				1		95	5 0
145	Muscatine County Highway Department	County	41722	23	Drum Roller 40–67"	1		1			0				1		100	0 0
	Muscatine County Highway Department	County	41722		Rubber Tire Roller 7 wheel	1		1			0				1		100	0 0
	Muscatine County Highway Department	County	41722		Sheep's Foot Roller 67"+	1		1			0				1		95	5 0
	Muscatine County Highway Department	County	41722		Wheel Loader 2 cy +	2	2				0				2			0 0
	Muscatine County Highway Department	County	41722		Mowing Tractor 45-65 HP	2	2				0				2		100	0 0
	Muscatine County Highway Department	County	41722		Mowing Tractor 65+ HP	1	1		<u> </u>	ļ	0	-			1		100	0 0
	Muscatine County Highway Department	County	41722		Tractor Loader-Backhoe	1		1	—	ļ	0				1		100	0 0
145	Muscatine County Highway Department	County	41722		Dozer, 150 HP or less	1		1		1	0	1			1			0 0
	Muscatine County Highway Department	County	41722		Motor grader, >135 HP	8		8		1	0	1			8		99	1 0
145	Muscatine County Highway Department	County	41722		Brush Chipper	1			-	-	0	+			1		100	0 0
	Muscatine County Highway Department	County	41722		Sprayer, Weed	1	1	1	-	1	0	+			1		100	0 0
	Muscatine County Highway Department	County	41722		Trailer, Low Bed 15 Ton				-	1	-	+			1			
	Muscatine County Highway Department	County	41722 41722		Trailer, Low Bed Semi Washer, Hi-Power Water	1		1	_	-	0	1		-	1		95 100	5 0
145	Muscatine County Highway Department Cerro Gordo County	County	41722 46447	146	Damaged Disk	1 1		- 1	!	1	0	+		-	1		100	0 0
	Clinton County Secondary Roads Dept.	County	50149	- 1	Single Axle, Dump Body	12	12		—	1	0	+		-	12	100	75 2	25 0
	Clinton County Secondary Roads Dept. Clinton County Secondary Roads Dept.	County	50149		Single axle, flatbed	12	12		!		0	+			12	100		0 0
7/	Clinton County Secondary Roads Dept. Clinton County Secondary Roads Dept.	County	50149		Single axle, harbed Single axle, van body	1	1			t	0	+		 	1	100		00 0
74	Clinton County Secondary Roads Dept. Clinton County Secondary Roads Dept.	County	50149		Tandem axle, dump body	6	6				0	1			6	100		25 0
	Clinton County Secondary Roads Dept.	County	50149		Bridge Inspection Unit	1	1				0				1	100		50 0
	Clinton County Secondary Roads Dept.	County	50149		Water Truck	1	1				0				1	25		0 0
74	Clinton County Secondary Roads Dept.	County	50149		Semi-Tractor	1	1				0	1			1	87.5		71 0
	Clinton County Secondary Roads Dept.	County	50149		Hydraulic wheeled, < 1 cy	4	4				0				4	81.25		31 0
	Clinton County Secondary Roads Dept.	County	50149		Drum Roller 40–67"	1		1			0				1	75		50 0
	Clinton County Secondary Roads Dept.	County	50149		Rubber Tire Roller 9 wheel	1		1			0				1	75		50 0
	Clinton County Secondary Roads Dept.	County	50149		Sheep's Foot Roller 67"+	1		1			0				1	75		00 0
74	Clinton County Secondary Roads Dept.	County	50149	32	Wheel Loader 2 cy or less	7	7				0				7	100	100	0 0
74	Clinton County Secondary Roads Dept.	County	50149		Mowing Tractor 65+ HP	3	3				0				3	75	100	0 0
	Clinton County Secondary Roads Dept.	County	50149		Sweeper, 3 Wheel Mechanical	1	1				0				1	25		0 0
	Clinton County Secondary Roads Dept.	County	50149		Dozer, 150 HP or less	1	1				0				1	62.5	20 8	80 0
74	Clinton County Secondary Roads Dept.	County	50149		Dozer, 150-300 HP	1					0				1	87.5		86 0
	Clinton County Secondary Roads Dept.	County	50149		Dragline, > 1/2 cy	2	2				0				2			75 0
74	Clinton County Secondary Roads Dept.	County	50149	49	Motor grader, >135 HP	14	14				0				14		10 9	90 0
	Clinton County Secondary Roads Dept.	County	50149		Skid Steer Loader, Wheel or Track	1	2	1			0				1			5 0
	Clinton County Secondary Roads Dept.	County	50149	104	Brush Chipper	2	2				0				2	75		0 0
	Clinton County Secondary Roads Dept.	County	50149 50149		Compressor, Air 125-200	1 2		2			0				1	25		90 0
	Clinton County Secondary Roads Dept.	County	50149		Snow Blower, Attachment	2		2			0					75		0 0 50 0
	Clinton County Secondary Roads Dept.	County	50149		Trailer, Low Bed 15 Ton	1		1			0					75		67 0
7/	Clinton County Secondary Roads Dept. Clinton County Secondary Roads Dept.	County	50149	1/4	Trailer, Low Bed Semi Washer, Hi-Power Water	1		1	!		0	+			1	100		0 0
	Story County	County	79981	140	Single Axle, Dump Body	12	12	-1	!	\vdash	0	+		-	12	100	90	10 0
	Story County	County	79981		Single axle, flatbed	1 1	1			t	0	+		 	12		100	0 0
9	Story County	County	79981		Tandem axle, dump body	4	4				0				4			10 0
	Story County	County	79981		Semi-Tractor	1	1				0				1			0 0
	Story County	County	79981		Hydraulic wheeled, 1–2 cy	2	2				2	2			4			10 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			2		0				2			10 0
	Story County	County	79981	32	Wheel Loader 2 cy or less	1	1				0				1		100	0 0
9	Story County	County	79981		Wheel Loader 2 cy +	2	2				0				2		100	0 0
	Story County	County	79981	36	Mowing Tractor 65+ HP	3	1	2	!		0				3			0 0
	Story County	County	79981		Tractor Loader-Backhoe	1	1				0				1			0 0
	Story County	County	79981	43	Dozer, 150 HP or less	1			1	ļ	0				1		90	10 0
	Story County	County	79981		Motor grader, >135 HP	15	15			1	0	1			15		95	5 0
9	Story County	County	79981	51	Scraper, Rubber Tire Elevating <15 cy	1	1		1	1	0	+			1			5 0
	Story County	County	79981 79981		Broom, Attachment	1	1		 	-	0	-	—		1		100	0 0
	Story County	County	79981	104	Brush Chipper Compressor, Air 125-200	1 1	1		-	1	0	+		-	1		100	0 0
	Story County	County	79981			1	1		1	1	0	+		-	1			0 0
9	Story County Story County	County	79981	113	Grapple Attachment, Loader Shouldering Machine	1	1		- 4	1	0	+		-	1			0 0
	Story County Story County	County	79981		Trailer, Belly Dump	1	- 1		 	\vdash	0	+		-	1	+	100	0 0
	Story County	County	79981		Trailer, Low Bed 15 Ton	1	1			t	0	+		 	1			0 0
	Pottawattamie County	County	87704		Single Axle, Dump Body	12	12				0	1			12		90	10 0
	Pottawattamie County	County	87704		Single axle, flatbed	3	3				0				.2		100	0 0
	Pottawattamie County	County	87704		Single axle, van body	1	1			i	0				1		95	5 0
	Pottawattamie County	County	87704		Tandem axle, dump body	7	7				0				7		95	5 0
	Pottawattamie County	County	87704		Water Truck	1	1				0				1	†	95	5 0
			87704		Semi-Tractor	3	3			1	0				3			0 0
	Pottawattamie County Pottawattamie County	County	87704		Hydraulic wheeled, < 1 cy						,							10 0

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ID Entity	T	D	Equip.	Anter tours to	1742 / SAL	18918		Long Shor	180 180	1050	ign Col Met
,	Туре	Pop.	Line Type of Equipment	/*/*/*/	* / *	/ / / * 	/ * · / *	* / *	/4//	9	0 10 0
198 Pottawattamie County 198 Pottawattamie County	County	87704 87704	17 Hydraulic crawler, 1–2 cy 26 Rubber Tire Roller 9 wheel	2 2		0			2	9	
198 Pottawattamie County	County	87704	28 Sheep's Foot Roller 67"+	2 2		0			2	9	
198 Pottawattamie County	County	87704	30 Loader Crawler 80 HP or less	1 1		0			1	10	
198 Pottawattamie County	County	87704	33 Wheel Loader 2 cy +	5 5		0			5		
198 Pottawattamie County	County	87704	36 Mowing Tractor 65+ HP	8 8		0			8	10	
198 Pottawattamie County	County	87704	37 Tractor Loader-Backhoe	1 1		0			1	Ü	
198 Pottawattamie County	County	87704	43 Dozer, 150 HP or less	2 2		0			2	8	
198 Pottawattamie County	County	87704	46 Dragline, 1/2 cy or less	1 1		0			1	9	
198 Pottawattamic County	County	87704 87704	49 Motor grader, >135 HP	20 20		0			20	10 10	
198 Pottawattamie County 198 Pottawattamie County	County	87704 87704	53 Skid Steer Loader, Wheel or Track 104 Brush Chipper	2 2		0			1 2	10	
198 Pottawattamie County	County	87704	105 Compressor, Air 125-200	3 3		0			3	10	
198 Pottawattamie County	County	87704	107 Conveyor, Salt	1 1		Ö			1	10	
198 Pottawattamie County	County	87704	130 Saw, Concrete	1 1		0			1		
198 Pottawattamie County	County	87704	134 Shouldering Machine	4 4		0			4	10	0 0 0
198 Pottawattamie County	County	87704	136 Snow Blower, Attachment	1 1		0			1	10	
198 Pottawattamie County	County	87704	138 Sprayer, Weed	2 2		0			2	10	
198 Pottawattamie County	County	87704	141 Trailer, Belly Dump	2 2		0			2	10	
198 Pottawattamie County 34 Dubuque County	County	87704 89143	144 Trailer, Low Bed Semi 1 Single Axle, Dump Body	9 7 2		0			1 9	10	
34 Dubuque County 34 Dubuque County	County	89143 89143	2 Single axle, flatbed	10 8 1	1	0			10	9	
34 Dubuque County	County	89143	4 Tandem axle, dump body	12 11 1		0			12	7	
34 Dubuque County	County	89143	5 Tandem axle, flatbed	1	1	0			1	10	
34 Dubuque County	County	89143	9 Platform Boom (High-Reach)	1	1	0			1	10	
34 Dubuque County	County	89143	10 Truck-Mounted Bitumen Distrubutor	2 2		0			2	6	0 40 0
34 Dubuque County	County	89143	11 Water Truck	2 1	1	0			2	10	
34 Dubuque County	County	89143	12 Semi-Tractor	2	2	0			2	9	
34 Dubuque County	County	89143	14 Hydraulic wheeled, 1–2 cy	2 2		0			1	10	
34 Dubuque County 34 Dubuque County	County	89143 89143	20 Asphalt, Main Screed > 10 ft. 23 Drum Roller 40–67"	1 1	1	0			1	6	
34 Dubuque County 34 Dubuque County	County	89143	23 Drum Roller 40–67 24 Drum Roller 67+"	2 1	1	0			2	6	
34 Dubuque County	County	89143	26 Rubber Tire Roller 9 wheel	1 1		0			1	6	
34 Dubuque County	County	89143	30 Loader Crawler 80 HP or less	1 1		0			1	10	0 0
34 Dubuque County	County	89143	33 Wheel Loader 2 cy +	2 2		0			2	10	0 0 0
34 Dubuque County	County	89143	36 Mowing Tractor 65+ HP	5 4 1		0			5	10	
34 Dubuque County	County	89143	37 Tractor Loader-Backhoe	4 4		0			4	7	
34 Dubuque County	County	89143	38 Tractor Loader-Box Blade	1 1		0			1	10	
34 Dubuque County 34 Dubuque County	County	89143 89143	42 Cranes 43 Dozer, 150 HP or less	1 1 2		0			1	7	0 40 0 5 25 0
34 Dubuque County 34 Dubuque County	County	89143	44 Dozer, 150-300 HP	2 2	2	0			2	7	
34 Dubuque County	County	89143	49 Motor grader, >135 HP	11 4 7		Ö			11	9	
34 Dubuque County	County	89143	50 Self-Propelled Chip Spreader	1	1	0			1	10	0 0 0
34 Dubuque County	County	89143	104 Brush Chipper	1 1		0			1	10	
34 Dubuque County	County	89143	105 Compressor, Air 125-200	2 1	1	0			2	10	
34 Dubuque County	County	89143	109 Distributor Bitumen, Slip-in or Trailer	1 1		0			1	6	
34 Dubuque County 34 Dubuque County	County	89143 89143	110 Drill, Vertical 111 Driver, Pile or Pipe	1 1	1	0			1	10 5	
34 Dubuque County 34 Dubuque County	County	89143	114 Heater, Pre-Mix	1 1		0			1	10	
34 Dubuque County	County	89143	117 Machine, Asphalt Patcher	1 1		0			1	10	
34 Dubuque County	County	89143	125 Mixer, Bitumen Recycler	1 1		0			1	10	
34 Dubuque County	County	89143	130 Saw, Concrete	2 2		0			2	10	0 0 0
34 Dubuque County	County	89143	134 Shouldering Machine	1 1		0			1	10	
34 Dubuque County	County	89143	136 Snow Blower, Attachment	2 2		0			2	10	
34 Dubuque County	County	89143	139 Sweeper Attachment	3 3		0			3	10	
34 Dubuque County 34 Dubuque County	County	89143 89143	143 Trailer, Low Bed 15 Ton 144 Trailer, Low Bed Semi	1 1	2	0			1 2	10 10	
34 Dubuque County 34 Dubuque County	County	89143	146 Washer, Hi-Power Water	2 2		0			2	10	
34 Dubuque County	County	89143	149 Scraper < 15 cy	1 1		0			1	6	
34 Dubuque County	County	89143	150 Welder Gas Driven	5 2 3		0			5	9	0 10 0
116 Henry County	County	103877	1 Single Axle, Dump Body	6 6		0			6	9	0 10 0
116 Henry County	County	103877	2 Single axle, flatbed	2 2		0			2	8	
116 Henry County	County	103877	4 Tandem axle, dump body	2 2		0			2	9	
116 Henry County	County	103877	10 Truck-Mounted Bitumen Distrubutor	1	1	0			1	10	
116 Henry County	County	103877	12 Semi-Tractor	1 1		0			1	9	
116 Henry County 116 Henry County	County	103877 103877	14 Hydraulic wheeled, 1–2 cy 18 Hydraulic crawler, 2+ cy	1 1	1	- 0			1	10	
116 Henry County 116 Henry County	County	103877	23 Drum Roller 40–67"	1	1	0			1	1	
116 Henry County	County	103877	32 Wheel Loader 2 cy or less	1 1	-	0			1	10	
116 Henry County	County	103877	33 Wheel Loader 2 cy +	1 1		0			1	9	
116 Henry County	County	103877	36 Mowing Tractor 65+ HP	3 3		0			3	10	
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ID	Entity	T	D	Equip. Line		ONLL	* Formal St		A CHEST	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	84 / OL	Torrunt Market	ACTOR ACTOR	1000	John Strate Land	d de	Maine range	orstudior Jest
	Henry County	Type County	Pop. 103877		Type of Equipment Tractor Loader-Backhoe	 * 	1 *	/ *	<u> </u>	× / *	0 *	/ * -	<u> </u>	<u> </u>	1	010	90 10	
116	Henry County	County	103877		Tractor Loader-Box Blade	1	1				0				1		90 10	
116	Henry County	County	103877		Dozer, 150 HP or less	3	3				0				3		70 30	
	Henry County Henry County	County	103877 103877		Dragline, 1/2 cy or less Motor grader, >135 HP	9	9	-	1		0				1 9		50 50 90 10	
116	Henry County	County	103877		Broom, Attachment	1	1				0				1		100 0	0 0
116	Henry County	County	103877	104	Brush Chipper	1	1				0				1		100 0	
	Henry County	County	103877		Compressor, Air 125-200	2	2				0				2		90 10	
	Henry County Henry County	County	103877 103877		Compressor, Air 200+ Marker, Centerline Paint	1	1				0				1		100 0 90 10	
116	Henry County	County	103877		Rock Crusher	1			1		0				1		100 0	
116	Henry County	County	103877	141	Trailer, Belly Dump	1	1				0				1		90 10	
	Henry County Henry County	County	103877 103877		Trailer, Low Bed 15 Ton Washer, Hi-Power Water	1	1				0				1		90 10	
	Woodbury County Highway Department	County	103877		Single Axle, Dump Body	9	9				0				9	100	100 0	
141	Woodbury County Highway Department	County	103877	2	Single axle, flatbed	5	5				0				5	100	100 0	0
141	Woodbury County Highway Department	County	103877		Tandem axle, dump body	8	8				0				8		100 0	
	Woodbury County Highway Department Woodbury County Highway Department	County	103877 103877		Platform Boom (High-Reach) Semi-Tractor	1	1				0				1	100	100 0 75 25	
141	Woodbury County Highway Department Woodbury County Highway Department	County	103877		Hydraulic wheeled, 1–2 cy	1	1				0				1	100	75 25	
141	Woodbury County Highway Department	County	103877		Hydraulic crawler, 1–2 cy	1	1				0				1	100	25 75	
	Woodbury County Highway Department	County	103877 103877		Wheel Loader 2 cy + Tractor Loader-Backhoe	8	8				0				8	100	100 0 100 0	
141	Woodbury County Highway Department Woodbury County Highway Department	County	103877		Tractor Loader-Backnoe Tractor Loader-Box Blade	1	1				0				1		100 0	
	Woodbury County Highway Department	County	103877		Dozer, 150 HP or less	2	2				0				2	100	75 25	
	Woodbury County Highway Department	County	103877		Dragline, 1/2 cy or less	21	1 21				0				21	100	100 0	
141	Woodbury County Highway Department Woodbury County Highway Department	County	103877 103877	49 51	Motor grader, >135 HP Scraper, Rubber Tire Elevating <15 cy	21	21				0				21	100 100	95 5 75 25	
	Woodbury County Highway Department	County	103877		Brush Chipper	1	-	1			0				1	100	100 0	0
141	Woodbury County Highway Department	County	103877		Compressor, Air 200+	8	8	В			0				8	100	100 0	, ,
141	Woodbury County Highway Department Woodbury County Highway Department	County	103877 103877		Machine, Asphalt Patcher Seeder	1	1	1			0				1		100 0 100 0	, ,
	Woodbury County Highway Department Woodbury County Highway Department	County	103877		Shouldering Machine	1		1			0				1	100	100 0	0 0
141	Woodbury County Highway Department	County	103877	144	Trailer, Low Bed Semi	1	1				0				1	100	75 25	
141	Woodbury County Highway Department	County	103877		Washer, Hi-Power Water	6	4 6	6			0				6	100	100 0	0 0
	Woodbury County Highway Department Johnson County Secondary Roads	County	103877 111006		Lab Trailer (Inspection Lab) Single Axle, Dump Body	14	14	4			0				14	50 100	100 0 100 0	0 0
	Johnson County Secondary Roads	County	111006	4	Tandem axle, dump body	16	16				0				16	100	100 0	
	Johnson County Secondary Roads	County	111006		Platform Boom (High-Reach)	1			1		0				1	100	100 0	_
	Johnson County Secondary Roads Johnson County Secondary Roads	County	111006 111006		Semi-Tractor Hydraulic wheeled, 1–2 cy	1		1			0				1	100	100 0	
	Johnson County Secondary Roads	County	111006		Hydraulic crawler, 1–2 cy	2	2	2			0				2		100 0	
6	Johnson County Secondary Roads	County	111006	18	Hydraulic crawler, 2+ cy	1	1	1			0				1	100	100 0	
	Johnson County Secondary Roads Johnson County Secondary Roads	County	111006 111006		Drum Roller 40–67" Wheel Loader 2 cy +	2		1	1		0				2	100	100 0	
	Johnson County Secondary Roads Johnson County Secondary Roads	County	111006		Mowing Tractor 65+ HP	6	- 6	6	'		0				6	100	92 8	
6	Johnson County Secondary Roads	County	111006	37	Tractor Loader-Backhoe	1	1	1			0				1	100	100 0	0
	Johnson County Secondary Roads	County	111006 111006		Dozer, 150 HP or less	8	2	2			0				2 8		100 0	
	Johnson County Secondary Roads Johnson County Secondary Roads	County	111006		Motor grader, >135 HP Skid Steer Loader, Wheel or Track	2		2	1		0				2	100 100	100 0 100 0	
6	Johnson County Secondary Roads	County	111006	102	Breaker Pavement, Attachment	1	1	1			0				1	100	100 0	0
	Johnson County Secondary Roads	County	111006		Broom, Attachment	2		1	1		0				2		100 0	
	Johnson County Secondary Roads Johnson County Secondary Roads	County	111006 111006		Brush Chipper Compressor, Air 125-200	1		1			0				1	100	100 0 100 0	
	Johnson County Secondary Roads	County	111006		Drill, Vertical	1		1			0				1	100	100 0	
6	Johnson County Secondary Roads	County	111006	112	Filler, Crack	1		1			0				1		100 0	
	Johnson County Secondary Roads	County	111006 111006		Hydro-Seeder Kettle, Bitumen Heater	1		1			0				1	75 100	67 33 100 0	
	Johnson County Secondary Roads Johnson County Secondary Roads	County	111006		Roller, Attachment	1		1			0				1		100 0	
6	Johnson County Secondary Roads	County	111006	131	Seeder	1	1	1			0				1	75	67 33	0
	Johnson County Secondary Roads	County	111006		Snow Blower, Attachment	5		5 1			0				5	25	100 0	, ,
6	Johnson County Secondary Roads Johnson County Secondary Roads	County	111006 111006	138	Sprayer, Weed Trailer, Low Bed 15 Ton	1		1			0				1		100 0 100 0	, ,
	Johnson County Secondary Roads	County	111006	144	Trailer, Low Bed 13 1011 Trailer, Low Bed Semi	1	1	1			ŏ				1	100	100 0	0 0
6	Johnson County Secondary Roads	County	111006	158	Trailer 20 ton	1	1	1			0				1	0	100 0	, 0
	Johnson County Secondary Roads	County	111006		Trailer 25 ton	1	1	1	2		0				1	0	100 0	, ,
6	Johnson County Secondary Roads Johnson County Secondary Roads	County	111006 111006		Trailer Rock Pup Trailer Tanker 2400 Gal.	3	-		1		0				1	50 25	100 0 100 0	0 0
110	Black Hawk County	County	128012	1	Single Axle, Dump Body	12	12				0				12		83 17	7 0
	Black Hawk County Black Hawk County	County	128012		Tandem axle, dump body	5	5				0				5		80 20	0
		County	128012	10	Truck-Mounted Bitumen Distrubutor	1 1	11	1			U	1			1		100 0	וט וי

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ID Entity	Туре	Pop.	Line Type of Equipment	<u> </u>	**/ **	<u>/*`</u>	/4º / *,	<u>/*`</u>	/ *	/* /	40 140	/ 0/0	00	-0/0 Ov
110 Black Hawk County 110 Black Hawk County	County	128012 128012	11 Water Truck 15 Hydraulic wheeled, 2+ cy	1 1)			1		100	0 0
110 Black Hawk County	County	128012	18 Hydraulic crawler, 2+ cy	1 1)			1		0	100 0
110 Black Hawk County	County	128012	23 Drum Roller 40–67"	1 1)			1		100	0 0
110 Black Hawk County	County	128012	26 Rubber Tire Roller 9 wheel	1 1							1		100	0 0
110 Black Hawk County	County	128012	27 Sheep's Foot Roller 40-67"	1 1				_			1	-	0	100 0 0 0
110 Black Hawk County 110 Black Hawk County	County	128012 128012	29 Integrated Tool Carrier 30 Loader Crawler 80 HP or less	1 1				_			1		100	0 0
110 Black Hawk County	County	128012	34 Mowing Tractor <45 HP	7 7			-	_			7		100	0 0
110 Black Hawk County	County	128012	35 Mowing Tractor 45-65 HP	3 3			1	_			3		100	0 0
110 Black Hawk County	County	128012	37 Tractor Loader-Backhoe	2 2			- 1)			2		100	0 0
110 Black Hawk County 110 Black Hawk County	County	128012 128012	42 Cranes 44 Dozer, 150-300 HP	1 1		1					1		0	100 0 100 0
110 Black Hawk County	County	128012	48 Motor grader, 135 HP or less	12 12				,			12		100	0 0
110 Black Hawk County	County	128012	50 Self-Propelled Chip Spreader	1 1			-)			1		100	0 0
110 Black Hawk County	County	128012	65 Pickups	15 13		2	-		-		15		73	27 0
110 Black Hawk County 110 Black Hawk County	County	128012 128012	68 Sign Maintenance Truck 76 Shop Service Truck w/ Crane	1 1				_			1		100 100	0 0
110 Black Hawk County 110 Black Hawk County	County	128012	85 Brush Mower	1 1				0			1	1	100	0 0
110 Black Hawk County	County	128012	86 SUV	1 1			-	Ď			1			0
110 Black Hawk County	County	128012	87 Suburban	1		1	- 1)			1		0	100 0
110 Black Hawk County	County	128012	102 Breaker Pavement, Attachment	1 1			- 1	,			1		100	0 0
110 Black Hawk County 110 Black Hawk County	County	128012 128012	103 Broom, Attachment 104 Brush Chipper	1 1	1			,			1		100	0 0
110 Black Hawk County	County	128012	105 Compressor, Air 125-200	0	- 1			2		2	2		100	0 0
110 Black Hawk County	County	128012	111 Driver, Pile or Pipe	1 1			1)			1		0	100 0
110 Black Hawk County	County	128012	112 Filler, Crack	1 1			- 1	_			1		50	50 0
110 Black Hawk County 110 Black Hawk County	County	128012 128012	115 Hydro-Seeder 130 Saw, Concrete	1	1		- ')			1		100	100 0 0 0
110 Black Hawk County	County	128012	136 Snow Blower, Attachment	1	-1	1)			1		100	0 0
110 Black Hawk County	County	128012	138 Sprayer, Weed	2	2		- 1)			2		100	0 0
110 Black Hawk County	County	128012	144 Trailer, Low Bed Semi	2 2			- 1				2			
110 Black Hawk County 110 Black Hawk County	County	128012 128012	172 Signal Lights w/ Trailer 173 Welder/Generator	2 2	1			_			1		0	100 0
110 Black Hawk County	County	128012	173 Welder/Generator	1	-1	1)			1		100	0 0
110 Black Hawk County	County	128012	175 Gang Mower	1 1			- 1)			1		100	0 0
110 Black Hawk County	County	128012	176 Rock Retreiver	2	2)			2		100	0 0
23 Scott County 23 Scott County	County	158668 158668	1 Single Axle, Dump Body 3 Single axle, van body	14 14			-)			14		98 100	2 0
23 Scott County	County	158668	4 Tandem axle, dump body	4 4)			4		98	2 0
23 Scott County	County	158668	12 Semi-Tractor	1		1)			1		98	2 0
23 Scott County	County	158668	13 Hydraulic wheeled, < 1 cy	2 2			- 1)			2		100	0 0
23 Scott County	County	158668 158668	14 Hydraulic wheeled, 1–2 cy	1 1			- !)			1 1		98 95	2 0 5 0
23 Scott County 23 Scott County	County	158668	17 Hydraulic crawler, 1–2 cy 23 Drum Roller 40–67"	1		1)			1		98	2 0
23 Scott County	County	158668	25 Rubber Tire Roller 7 wheel	1		1	i)			1		98	2 0
23 Scott County	County	158668	27 Sheep's Foot Roller 40-67"	1		1	-	0	-		1	oxdot	98	2 0
23 Scott County 23 Scott County	County	158668 158668	33 Wheel Loader 2 cy + 36 Mowing Tractor 65+ HP	2 2				1		2	4	1	100	0 0
23 Scott County 23 Scott County	County	158668	37 Tractor Loader-Backhoe	1 1				ő			1		98	2 0
23 Scott County	County	158668	38 Tractor Loader-Box Blade	1 1			i)			1		98	2 0
23 Scott County	County	158668	43 Dozer, 150 HP or less	1 1			-	0			1	\Box	100	0 0
23 Scott County 23 Scott County	County	158668 158668	44 Dozer, 150-300 HP 47 Dragline, > 1/2 cy	1 1		4		,			1		85 100	15 0 0 0
23 Scott County 23 Scott County	County	158668	47 Dragine, > 1/2 cy 49 Motor grader, >135 HP	10 10		- 1		_			10		99	1 0
23 Scott County	County	158668	52 Scraper, Rubber Tire Elevating >15 cy	2 2			-)			2		80	20 0
23 Scott County	County	158668	103 Broom, Attachment	1 1			- (0			1		100	0 0
23 Scott County 23 Scott County	County	158668 158668	104 Brush Chipper	1 1				וע			1		100 90	0 0 10 0
23 Scott County 23 Scott County	County	158668	105 Compressor, Air 125-200 106 Compressor, Air 200+	1 1				,			1		80	20 0
23 Scott County	County	158668	111 Driver, Pile or Pipe	1		1					1		5	95 0
23 Scott County	County	158668	112 Filler, Crack	1 1			- 1				1		100	0 0
23 Scott County	County	158668	116 Kettle, Bitumen Heater	1 1				_			1		100	0 0
23 Scott County 23 Scott County	County	158668 158668	130 Saw, Concrete 131 Seeder	1 1			-	7			1		100 90	0 0 10 0
23 Scott County	County	158668	132 Sewer Jet	1 1				Ď			1		100	0 0
23 Scott County	County	158668	134 Shouldering Machine	2 2			-	D			2		100	0 0
23 Scott County	County	158668	138 Sprayer, Weed	1 1			- 1				1	1	100	0 0
23 Scott County 23 Scott County	County	158668 158668	143 Trailer, Low Bed 15 Ton 144 Trailer, Low Bed Semi	1 1				_			1 1		95 90	5 0 10 0
23 Scott County	County	158668	146 Washer, Hi-Power Water	1 1				ő			1		100	0 0
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	Linn County Secondary Road Department	County	191701		Single Axle, Dump Body	27	27				0			2			
	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701 191701		Tandem axle, dump body Tandem axle, flatbed	9	9				0				9	90 90	10 0 10 0
117	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701		Platform Boom (High-Reach)	1	1				0				1	100	0 0
	Linn County Secondary Road Department	County	191701		Truck-Mounted Bitumen Distrubutor	1	1				0				1	70	30 0
117	Linn County Secondary Road Department	County	191701		Semi-Tractor	1	1				0				1	90	10 0
	Linn County Secondary Road Department	County	191701		Hydraulic wheeled, 1–2 cy	4	7				0				4	70	30 0
	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701 191701		Drum Roller 67+" Rubber Tire Roller 9 wheel	3	-				0				1	95 70	5 0 30 0
117	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701		Sheep's Foot Roller 67"+	1	1				0				1	90	10 0
117	Linn County Secondary Road Department	County	191701	33	Wheel Loader 2 cy +	6	6				0				6	100	0 0
117	Linn County Secondary Road Department	County	191701	34	Mowing Tractor <45 HP	1					0				1	100	0 0
117	Linn County Secondary Road Department	County	191701		Mowing Tractor 45-65 HP	5	5		-		0				5	100	0 0
117	Linn County Secondary Road Department	County	191701 191701		Mowing Tractor 65+ HP Tractor Loader-Backhoe	8	8	-	\vdash		0	-	-		1	100 70	0 0 30 0
117	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701		Cranes	2			1		0	1	+		2	70	30 0
	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701	43	Dozer, 150 HP or less	3	3				0				3	90	
117	Linn County Secondary Road Department	County	191701	49	Motor grader, >135 HP	17					0			1	7	90	10 0
117	Linn County Secondary Road Department	County	191701	50	Self-Propelled Chip Spreader	1	1				0		\perp		1	70	30 0
	Linn County Secondary Road Department	County	191701 191701		Scraper, Rubber Tire Elevating <15 cy	1	2		2		0	-	1		4	50 100	50 0
117	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701		Skid Steer Loader, Wheel or Track Sign Truck	1	1				0				1	100	0 0
	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701		Pickups	26					0		1	2	6	95	5 0
117	Linn County Secondary Road Department	County	191701		Fuel Truck	1	1				0				1	90	10 0
117	Linn County Secondary Road Department	County	191701	86	SUV	2	1		1		0		1		2	95	5 0
	Linn County Secondary Road Department	County	191701		Spray Truck	1	1				0				1	100	0 0
117	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701 191701		4x4 Single Axle Carry All	5	5		1		0	1	1		5 3	100 50	0 0 50 0
117	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701		Car	2	3	2	,		0				2	70	30 0
117	Linn County Secondary Road Department	County	191701	103	Broom, Attachment	2	2	-			0				2	100	0 0
117	Linn County Secondary Road Department	County	191701	104	Brush Chipper	2	2				0				2	100	0 0
	Linn County Secondary Road Department	County	191701		Compressor, Air 125-200	1	1				0				1	100	0 0
	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701 191701		Driver, Pile or Pipe Filler, Crack	1 2	1				0				1	70 100	30 0 0 0
	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701	113	Grapple Attachment, Loader	2	- 4				0				2	90	10 0
	Linn County Secondary Road Department	County	191701		Hydro-Seeder	4	4				0				4	95	5 0
117	Linn County Secondary Road Department	County	191701	122	Marker, Centerline Paint	1	1				0				1	100	0 0
	Linn County Secondary Road Department	County	191701		Milling Head	1	1				0				1	100	0 0
	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701 191701		Saw, Concrete Seeder	1	-	_			0				1	100 100	0 0
	Linn County Secondary Road Department Linn County Secondary Road Department	County	191701		Snow Blower, Attachment	1	1				0				1	100	0 0
	Linn County Secondary Road Department	County	191701		Sprayer, Weed	1	1				0				1	100	0 0
117	Linn County Secondary Road Department	County	191701	143	Trailer, Low Bed 15 Ton	7	-				0		\perp		7	95	5 0
	Linn County Secondary Road Department	County	191701		Trailer, Low Bed Semi	1					0				1	90	10 0
	Linn County Secondary Road Department lowa Department of Transportation	County Other	191701		Washer, Hi-Power Water Single Axle, Dump Body	478	7 373	105			0		1	47	7 8 100	100 100	0 0
	lowa Department of Transportation	Other		2	Single axle, flatbed	25		4			0				5 100	100	0 0
223	lowa Department of Transportation	Other		3	Single axle, van body	14	14				0			1	4 100	100	0 0
223	lowa Department of Transportation	Other		4	Tandem axle, dump body	535	375	160)		0			53		100	0 0
223	lowa Department of Transportation	Other		5	Tandem axle, flatbed	6		_	1		0	-			6 100	100	0 0
	lows Department of Transportation	Other			Bridge Inspection Unit	12		3			0	-	-		4 100 2 75	100	0 0
	lowa Department of Transportation	Outer	ļ		Fully Equipped Paint Truck Platform Boom (High-Reach)	12	12	2			0	1	+		4 100	100	0 0
223		Other			Semi-Tractor			4			0	1	1				0 0
	lowa Department of Transportation	Other Other			Seriii-Tractor	19	10	4						1	9 100	100	
223				12	Hydraulic wheeled, < 1 cy	19 9		1	-		0				9 100 9 75	100	0 0
223 223 223	lowa Department of Transportation lowa Department of Transportation lowa Department of Transportation lowa Department of Transportation	Other Other Other		12 13 16	Hydraulic wheeled, < 1 cy Hydraulic crawler, <1 cy	9			-		-				9 75 3 75	100 100	0 0
223 223 223 223	lowa Department of Transportation	Other Other Other Other		12 13 16 20	Hydraulic wheeled, < 1 cy Hydraulic crawler, <1 cy Asphalt, Main Screed > 10 ft.	9 3 2	8 2 2		-		0		1		9 75 3 75 3 75	100 100 99	0 0
223 223 223 223 223 223	lowa Department of Transportation	Other Other Other Other Other		12 13 16 20 23	Hydraulic wheeled, < 1 cy Hydraulic crawler, <1 cy Asphalt, Main Screed > 10 ft. Drum Roller 40–67"	9 3 2 20	8 2 2		-		0		1 1	2	9 75 3 75 3 75 1 75	100 100 99 100	0 0
223 223 223 223 223 223 223	lowa Department of Transportation	Other Other Other Other		12 13 16 20 23 24	Hydraulic wheeled, < 1 cy Hydraulic crawler, <1 cy Asphalt, Main Screed > 10 ft.	9 3 2	8 2 2		-		0		_	2	9 75 3 75 3 75 1 75	100 100 99	0 0 1 0 0 0
223 223 223 223 223 223 223 223 223	lowa Department of Transportation	Other		12 13 16 20 23 24 26 30	Hydraulic wheeled, < 1 cy Hydraulic crawler, <1 cy Asphalt, Main Screed > 10 ft. Drum Roller 40–67" Drum Roller 67+" Rubber Tire Roller 9 wheel Loader Crawler 80 HP or less	9 3 2 20 3 5 14	8 2 2 20 3 5		-		0 0 1 1 1 1 0		_	2	9 75 3 75 3 75 1 75 4 75 5 75 4 75	100 100 99 100 99 100	0 0 1 0 0 0 1 0 0 0 0 0
223 223 223 223 223 223 223 223 223 223	lowa Department of Transportation	Other		12 13 16 20 23 24 26 30	Hydraulic wheeled, < 1 cy Hydraulic crawler, <1 cy Asphalt, Main Screed > 10 ft. Drum Roller 40-67" Drum Roller 67+" Rubber Tire Roller 9 wheel Loader Crawler 80 HP or less Wheel Loader 2 cy or less	9 3 2 20 3 5 14 148	8 2 2 20 3 5		-		0 0 1 1 1 1 0		_	2	9 75 3 75 3 75 1 75 4 75 5 75 4 75 8 100	100 100 99 100 99 100 100	0 0 1 0 0 0 1 0 0 0 0 0 0 0
223 223 223 223 223 223 223 223 223 223	lowa Department of Transportation	Other		12 13 16 20 23 24 26 30 32 32	Hydraulic wheeled, < 1 cy Hydraulic crawler, <1 cy Asphalt, Main Screed > 10 ft. Drum Roller 40-67" Drum Roller 40-67" Rubber Tire Roller 9 wheel Loader Crawler 80 HP or less Wheel Loader 2 cy or less Wheel Loader 2 cy +	9 3 2 20 3 5 14 148 3	8 2 2 20 3 5 14 148 3		-		0 0 1 1 1 1 0 0		_	1 14	9 75 3 75 3 75 1 75 4 75 5 75 4 75 8 100 3 100	100 100 99 100 99 100 100 100	0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0
223 223 223 223 223 223 223 223 223 223	lowa Department of Transportation	Other		12 13 16 20 23 24 26 30 32 33 33	Hydraulic wheeled, < 1 cy Hydraulic orweler, <1 cy Asphalt, Main Screed > 10 ft. Drum Roller 40-67" Drum Roller 67+" Rubber Tire Roller 9 wheel Loader Crawler 80 HP or less Wheel Loader 2 cy or less Wheel Loader 2 cy + Mowing Tractor <45 HP	9 3 2 20 3 5 14 148 3 67	8 2 2 20 3 5 14 148 3 67	1			0 0 1 1 1 1 0 0 0		1	1 14 6	9 75 3 75 3 75 1 75 4 75 5 75 4 75 8 100 3 100 7 75	100 100 99 100 99 100 100 100 100	0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
223 223 223 223 223 223 223 223 223 223	lowa Department of Transportation	Other		12 13 16 20 23 24 26 30 32 33 34 36	Hydraulic wheeled, < 1 cy Hydraulic crawler, <1 cy Asphalt, Main Screed > 10 ft. Drum Roller 40-67" Drum Roller 40-67" Rubber Tire Roller 9 wheel Loader Crawler 80 HP or less Wheel Loader 2 cy or less Wheel Loader 2 cy +	9 3 2 20 3 5 14 148 3	8 2 2 20 3 5 14 148 3 67				0 0 1 1 1 1 0 0		_	1 14 6 6 22	9 75 3 75 3 75 1 75 4 75 5 75 4 75 8 100 3 100	100 100 99 100 99 100 100 100	0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
223 223 223 223 223 223 223 223 223 223	lowa Department of Transportation	Other		12 13 16 20 23 24 26 30 32 33 34 36 37 40	Hydraulic wheeled, < 1 cy Hydraulic orawler, <1 cy Asphalt, Main Screed > 10 ft. Drum Roller 40-67" Drum Roller 674" Rubber Tire Roller 9 wheel Loader Crawler 80 HP or less Wheel Loader 2 cy or less Wheel Loader 2 cy + Mowing Tractor 455 HP Mowing Tractor 455 HP Tractor Loader-Backhoe Sweeper, 4 Wheel Mechanical	9 3 2 20 3 5 14 148 3 67	8 2 2 20 3 5 14 148 3 67 162 21	1			0 0 1 1 1 1 0 0 0 0		1	1 14 14 6 6 22 2 2	9 75 3 75 3 75 1 75 4 75 5 75 4 75 8 100 3 100 7 75 2 85.25 1 84.15 5 75	100 100 99 100 99 100 100 100 100 100 10	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
223 223 223 223 223 223 223 223 223 223	lowa Department of Transportation	Other		12 13 16 20 23 24 26 30 32 33 34 36 37 40	Hydraulic wheeled, < 1 cy Hydraulic crawler, < 1 cy Asphalt, Main Screed > 10 ft. Drum Roller 40-67" Drum Roller 40-67" Rubber Tire Roller 9 wheel Loader Crawler 80 HP or less Wheel Loader 2 cy or less Wheel Loader 2 cy or less Wheel Loader 1 cy or less Wheel Loader 2 cy or less Wheel Loader 2 cy or less Wheel Loader 2 cy or less Wheel Loader 1 cy or less Wheel Loader 2 cy or less Wheel Loader 1 cy or less	9 3 2 20 3 5 14 148 3 67 183 21	8 2 2 2 20 3 5 14 148 3 67 162 21 5	1			0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0		1	1 14 14 6 6 2 2 2 2	9 75 3 75 3 75 1 75 4 75 5 75 4 75 8 100 3 100 7 75 22 85.25 5 75 2 100	100 100 99 100 99 100 100 100 100 100 10	0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
223 223 223 223 223 223 223 223 223 223	lowa Department of Transportation	Other		12 13 16 20 23 24 26 30 32 33 34 36 37 40 46 46	Hydraulic wheeled, < 1 cy Hydraulic orweler, <1 cy Asphalt, Main Screed > 10 ft. Drum Roller 40-67" Drum Roller 67-7" Rubber Tire Roller 9 wheel Loader Crawler 80 HP or less Wheel Loader 2 cy or less Wheel Loader 2 cy + Mowing Tractor <45 HP Mowing Tractor <45 HP Mowing Tractor 65+ HP Tractor Loader Backhoe Sweeper, 4 Wheel Mechanical Dragline, 1/2 cy or less Motor grader, 135 HP or less Motor grader, 135 HP or less	9 3 2 20 3 5 5 14 148 3 67 183 21 5 5	8 2 2 20 3 5 14 148 3 67 162 21 5 2	1			0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1	2 1 1 14 14 6 2 22 2 2	9 75 3 75 3 75 1 75 4 75 5 75 4 75 8 100 3 100 7 75 2 85.25 1 84.15 5 75 2 100	100 100 99 100 99 100 100 100 100 100 10	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
223 223 223 223 223 223 223 223 223 223	lowa Department of Transportation	Other		12 13 16 20 23 24 24 30 32 33 33 34 46 46 48 53	Hydraulic wheeled, < 1 cy Hydraulic crawler, < 1 cy Asphalt, Main Screed > 10 ft. Drum Roller 40-67" Drum Roller 40-67" Rubber Tire Roller 9 wheel Loader Crawler 80 HP or less Wheel Loader 2 cy or less Wheel Loader 2 cy or less Wheel Loader 1 cy or less Wheel Loader 2 cy or less Wheel Loader 2 cy or less Wheel Loader 2 cy or less Wheel Loader 1 cy or less Wheel Loader 2 cy or less Wheel Loader 1 cy or less	9 3 2 20 3 5 14 148 3 67 183 21	8 2 2 20 3 5 14 148 3 67 162 21 5 2 2 169	1			0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0		1	2 1 14 14 6 6 22 2 2	9 75 3 75 3 75 1 75 4 75 5 75 4 75 8 100 3 100 7 75 22 85.25 5 75 2 100	100 100 99 100 99 100 100 100 100 100 10	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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						/80 /30 V	/3/	ing In		[x];	(° / (° /	260. \ Q_1	100	Inter 12	Strik Jeggs
ID	Entity	Туре	Pop.	Equip. Line	Tong of Foreign and	Johnes Jelensky	10 7 V	1 Pulc	/\$ [®] /\$ [®] /\$	Oug You	1/2 Sug. 1/2 /2	1,5th 1	010/201	Maintenance	Striction Jesses
	lowa Department of Transportation	Other	гор.		Type of Equipment Breaker Pavement, Attachment	30 30	<u> </u>	Se Seile		Loca Lett Williams	A Sept Letter	de legels out of the legels of	3 33 1	00 0	0
	Iowa Department of Transportation	Other		103	Broom, Attachment	85 83	2		0			85 7		00 0	0
223	Iowa Department of Transportation	Other		104	Brush Chipper	15 15			0					00 0	0
223	Iowa Department of Transportation	Other			Compressor, Air 125-200	114 110	4		0			114 8		00 0	0
223	lowa Department of Transportation lowa Department of Transportation	Other Other			Compressor, Air 200+ Conveyor, Salt	10 10 6 3		3	0					00 0	0
	Iowa Department of Transportation	Other			Distributor Bitumen, Slip-in or Trailer	54 54		3	0					00 0	0
	Iowa Department of Transportation	Other			Drill, Vertical	9 9			0					00 0	0
223	Iowa Department of Transportation	Other			Driver, Pile or Pipe	2 2			0			2		00 0	0
	lowa Department of Transportation	Other			Filler, Crack	15 15			0					00 0	0
	lowa Department of Transportation lowa Department of Transportation	Other Other			Grapple Attachment, Loader Heater, Pre-Mix	2 2 50 46	4		0					00 0	0
	lowa Department of Transportation	Other			Hydro-Seeder	1 1	1		0			1		00 0	0
	Iowa Department of Transportation	Other		116	Kettle, Bitumen Heater	59 59			0				7.71 1	00 0	0
	Iowa Department of Transportation	Other			Machine, Asphalt Patcher	16 15	1		0		\perp	16 7		00 0	0
	lowa Department of Transportation	Other			Machine, Gunite	1 1			0		1	1		00 0	0
	lowa Department of Transportation lowa Department of Transportation	Other Other			Machine, Profiler Machine, Road Rating	1 1			0			1 3		99 1 50 50	0
	lowa Department of Transportation	Other			Machine, Slurry	2 2			0			2	75 1	00 0	0
223	Iowa Department of Transportation	Other		122	Marker, Centerline Paint	1 1			0			1	75 1	00 0	0
223	Iowa Department of Transportation	Other			Miller, Asphalt Spreader	1 1			0			1		00 0	0
	lowa Department of Transportation	Other Other			Milling Head	16 16		- 1	0			16 8		00 0	0
	lowa Department of Transportation lowa Department of Transportation	Other		125	Mixer, Bitumen Recycler Pump, Asphalt	1 1		- 1	0			1		00 0	0
	Iowa Department of Transportation	Other		127	Pump, Mud Paddle/Colloidal	15 15			0			15		00 0	0
223	Iowa Department of Transportation	Other		129	Roller, Attachment	72 72			0			72 7	8.47 1	00 0	0
223	Iowa Department of Transportation	Other			Saw, Concrete	15 15			0					00 0	0
	lowa Department of Transportation lowa Department of Transportation	Other			Signal, Speed Sensing Trailer Mtd. Snow Blower, Attachment	6 4 35 32	2		0			35		00 0	0
	lowa Department of Transportation	Other			Spade, Tree	1 1	3		0			1		00 0	0
	Iowa Department of Transportation	Other			Sprayer, Weed	87 87			0			87	75 1	00 0	0
223	Iowa Department of Transportation	Other		139	Sweeper Attachment	3 3			0			3		00 0	0
	lowa Department of Transportation	Other			Tiller, Power Rake	1 0		1	0			1		00 0	0
	lowa Department of Transportation lowa Department of Transportation	Other			Trailer, Belly Dump Trailer, Low Bed 15 Ton	166 162	4		0		1			00 0	0
	Iowa Department of Transportation	Other			Trailer, Low Bed Semi	17 16	1		0					00 0	0
	Iowa Department of Transportation	Other			Trailer, Van	6 6			0			6		00 0	0
	Iowa Department of Transportation	Other			Washer, Hi-Power Water	34 34			0					00 0	0
	Newton Correctional Facility Newton Correctional Facility	Other Other			Wheel Loader 2 cy or less Mowing Tractor 45-65 HP	2 2			0					00 0	0
	Newton Correctional Facility	Other			Mowing Tractor 45-65 TP	1 1			0			1		00 0	0
	Newton Correctional Facility	Other		104	Brush Chipper	1 1			0			1		00 0	0
	Clarinda Correctional Facility	Other			Single Axle, Dump Body	1		1	0					51 49	0
	Clarinda Correctional Facility Clarinda Correctional Facility	Other Other			Single axle, flatbed Single axle, van body	1 4		1	0		 	1 4		90 10 00 0	0
	Clarinda Correctional Facility Clarinda Correctional Facility	Other			Platform Boom (High-Reach)	1 1		4	0		 			90 10	0
243	Clarinda Correctional Facility	Other			Wheel Loader 2 cy or less	1		1	0					65 35	0
243	Clarinda Correctional Facility	Other		34	Mowing Tractor <45 HP	3		3	0				100 1	00 0	0
	Clarinda Correctional Facility	Other			Tractor Loader-Backhoe	1 1			0		+ + + -	1		61 39	0
	Clarinda Correctional Facility Clarinda Correctional Facility	Other Other			Skid Steer Loader, Wheel or Track Compressor, Air 125-200	1 1			0			1		73 27 56 44	0
	Fort Dodge Correctional Facility	Other			Single Axle, Dump Body	1		1	0		1	1		00 0	0
85	Oakdale, Dept. of Corrections	Other		53	Skid Steer Loader, Wheel or Track	1 1			0			1	25	60 40	0
85	Oakdale, Dept. of Corrections	Other		132	Sewer Jet	0			1		1	1		00 0	0
	Iowa State Penitentiary Iowa State Penitentiary	Other			Single Axle, Dump Body Wheel Loader 2 cy +	3		3	0		 			83 17 00 0	0
	lowa State Penitentiary	Other			Mowing Tractor <45 HP	1 1		- 1	0			1	100 1	00 0	0
118	Iowa State Penitentiary	Other		37	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					75 25	0
	Iowa State Penitentiary	Other	-		Compressor, Air 125-200	1 1			0		 	1	100	50 50	0
134	North Central Correctional Facility Iowa Correctional Institution for Women	Other			Damaged Disk Not Applicable	0			0		 	0			
	Anamosa State Penitentiary	Other		0	Not Applicable	0			0			0			-
173	Iowa DNR	Other		0	Not Applicable	0			0			0			
126	Board of Regents, State of Iowa	Other			Not Applicable	0			0			0	50		
	Unknown1	Other			Single Axle, Dump Body	1 4 4	1		2	1	1	3		54 46 00 0	0
	Unknown2 Unknown2	Other Other		1 4	Single Axle, Dump Body Tandem axle, dump body	11 9		2	0		 	11		00 0	0
196	Unknown2	Other		13	Hydraulic wheeled, < 1 cy	2 2			0			2	1	00 0	0
196	Unknown2	Other		33	Wheel Loader 2 cy +	2	lacksquare	2	0			2	1	00 0	0
196	Unknown2	Other	1	36	Mowing Tractor 65+ HP	4 4			0		1	4	1	00 0	0

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IDEntity	Туре	Pop.	Equip. Line Type of Equipment	#On	,		A THE STATE OF THE PROPERTY OF		age Indi		
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		Not Applicable								