

Bremer County
Integrated Roadside Vegetation Management
Plan

Version 2

April, 2020



Integrated Roadside Vegetation Management Plan

Bremer County, Iowa

Preface

A. Version 2, April 2020

B. Plan Contributors

David Lehman - Bremer County Roadside Manager

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I. Executive Program Elements

A. Goals

Since the establishment of the Bremer County IRVM Department in 2014, initial goals have been met: create a management tool to address items in Iowa Code Section 314.22-Integrated Roadside Vegetation Management and Iowa Code Section 317-Iowa Weed Law, identify and acquire needed equipment for the IRVM department, and implement the Roadside Management plan. These initial goals continue as well as the following department goals as the Roadside Management plan is updated to address the needs of Bremer County.

1. Provide and preserve safe, functional travel corridors using native plants and integrated management techniques which can create habitat corridors.
2. Stabilize County road construction projects by seeding and providing adequate erosion control.
3. Reduce visibility hazards created by brush and weeds on county highways, road intersections, and other areas of decreased visibility.
4. Utilize the current roadside vegetation inventory to preserve existing native vegetation.
5. Reduce roadside maintenance by the establishment of a strong plant communities using Iowa's native vegetation.
6. Stay current with roadside management research and techniques.

B. Program History

In the 1950's, counties across the state began conducting blanket spray programs to manage weeds. In the 1980's, some counties recognized that herbicide applications were not the long-term answer to the eradication of problem weeds and brush. The blanket spray program was discontinued. In the fall of 1989 a roadside inventory was conducted. The information collected was mapped out on Township maps and then stored in a box. In more recent years, the Secondary Road Department continued to cut brush as time and weather allowed. Also, some brush spraying occurred using a tank in a truck and a person spraying brush with a wand. Vegetation along guardrails was sprayed to control plant growth. Roadside mowing occurred two - three times per year on hard-surface roads with two six-foot swaths being mowed. On gravel roads, one six-foot swath was mowed up to two times per year. A boom mower was used to help control brush.

In the fall of 2013, discussion began to address Integrated Roadside Vegetation Management. After much information was gathered, the decision was made to create an Integrated Roadside Vegetation Management (IRVM) department. A Roadside Vegetation Manager Job Description

was created and the job was posted in November 2014. The Roadside Manager began employment in February 2015.

A cooperative agreement with the county board of supervisors, county engineer, county conservation department, and the county IRVM department was approved in April, 2015 (Appendix A).

Over the past five years, needed equipment has been identified and obtained. A spot spray program has begun that covers the county in a more uniform approach. Ditch cleanouts, bridge and culvert replacements are seeded in a timely manner using native vegetation where possible. A roadside vegetation inventory was completed in Fall, 2019. The inventory will help identify native plant communities that would benefit most from prescribed burns. The data continues to be studied and utilized to steer the direction of the program.

C. Program Type and IRVM Decision Making Process

The Bremer County Roadside Vegetation Management Department is an independent department under supervision of the Board of Supervisors. The Roadside Manager works in cooperation with the County Engineer and County Conservation Director to manage and promote native vegetation on public lands.

The Roadside Manager decides the department's daily operations and sets priorities, including equipment needs. The roadside manager carries out the business management decisions managing and maintaining the department budget including grant writing.

The IRVM decision-making process is often influenced by Secondary Roads projects including ditch cleanouts, road regrading, and bridge and culvert replacements. The Roadside Manager consults and coordinates with the Secondary Roads Department to complete these seeding projects.

D. Executive Summary

The Bremer County IRVM Program recognizes that it is in the general public welfare of Bremer County and a prudent use of county roadsides that the vegetation of Bremer County's roadsides be preserved, planted and maintained to be safe, visually interesting, ecologically integrated, and useful for many purposes. This document is intended to be a guideline for the Integrated Roadside Vegetation Management (IRVM) program in Bremer County. IRVM is generally accepted and regarded as the most economical and environmentally sound manner in which to manage our roadsides.

IRVM looks to use many techniques and tools to better take care of our roadsides. No one technique is the solution; however, when techniques are combined together, the solution becomes possible.

This document is to act as a long-term guide for our actions as they pertain to the Bremer County Roadsides. Immediate and long-term goals include reduced maintenance, noxious and invasive weed control, reduced herbicide applications, the reduction of soil erosion with native vegetation, wildlife habitat enhancement, and roadside beautification.

E. Bremer County Map (Appendix B)

II. Jurisdictional Recognition

A. Management

The Bremer County Roadside Vegetation Management Department is managed by the Roadside Manager. The position reports directly to the Board of Supervisors. This position is responsible for the day-to-day operations, sets priorities, carries out the business management duties, and performs the needed work. The Roadside Manager is also responsible for managing and maintaining the IRVM budget. The Roadside Manager also serves as the County Weed Commissioner.

B. Board of Supervisors

The Board of Supervisors oversees the planning and implementation of the County Roadside Plan. This includes the roadside budget, equipment updates, grant submittals, and plan changes. The Roadside Manager provides the Board of Supervisors with an update every other month, and gives an annual report detailing herbicide use, seeding information, and other pertinent facts.

C. Iowa Code and Administrative Rules-State Laws and Regulations

As stated earlier, Bremer County’s IRVM plan will be directed by laws and regulations cited in the Code of Iowa. Examples include, but are not limited to:

1. 314.17 Mowing law-no mowing before July 15 of ROW
2. 314.19 Reseeding Open Ditches
3. 314.21 Living Roadway Trust Fund
4. 314.22 Integrated Roadside Vegetation Management
5. 317 Iowa Weed Law
6. 318.3 Obstructions in Highway Rights-Of-Way

D. Permits

The Roadside Vegetation Management Department offers a No Spray Request Program to landowners. This allows the landowner an alternative to the county’s spray program to control weeds and brush. (Appendix C)

Other permits are obtained at the County Engineer's Office. Individuals describe what work is being performed or the issue of concern and the appropriate permit is retrieved. After the permit is filled out with the necessary information, the permit is issued to the individual and a copy is filed with the county. The following permits pertain to areas in the right-of-way that may involve the need to seed after ROW work is completed.

1. Field Entrance And Driveway Permit (Appendix D)
2. Permit For Excavation Within The Right-Of-Way (Appendix E)

III. Program Organizational Structure and Staffing Needs

The Roadside Manager is a full-time employee in the Roadside Vegetation Management Department. The Roadside Manager's duties are outlined further in the Bremer County Employee Job Description (Appendix F). This individual will need to stay current with the latest developments in roadside management practices. To help achieve this need, the roadside manager will need to consult with roadside managers in other counties; attend roadside, prairie, and invasive species conferences; and consult with the staff at the Tallgrass Prairie Center at the University of Northern Iowa. One particular area that needs to be addressed is erosion and sediment control.

This individual will need to have continuing instruction courses to fulfill the responsibilities as the county's Weed Commissioner and to maintain the pesticide applicator's license.

A seven-month roadside vegetation management aide is employed from April through October (Appendix G). This individual assists with carrying out all day to day duties as assigned. As the program develops, additional staff will be needed. This will allow for more work to be done in a timely manner and will also be important for safety reasons.

IV. Public Involvement

A. Steering Committee

The IRVM Steering Committee first met in March, 2016. The committee has been used to gather ideas to move the program forward. It currently meets two times per year, and as needed if circumstances dictate a meeting. The committee consists of the following members:

1. County Conservation Director
2. County Engineer
3. County Supervisor
4. ISU Extension
5. Pheasants Forever
6. County Landowners (3 members)

7. Roadside Manager

B. Education

Different ways that the Roadside Vegetation Management Department helps educate the public:

1. County-wide field day for fifth graders
2. Provide brochures, pamphlets, posters (IRVM, LRTF, and IWCA)
3. County webpage
4. Public presentations

V. Inventory

A. Natural Resource Inventory

Bremer County has three rivers that flow through it. The Shell Rock River flows through the extreme southwest corner, the Cedar River flows from the northwest corner toward the central portion of the southwest corner, and the Wapsipinicon River flows from north central to southeast. There are numerous sub-watersheds that feed into these rivers. The Roadside Manager is a member of the Upper Cedar Watershed Management Improvement Authority and the Upper Wapsi Watershed Management Authority. The purpose of the WMA's is to facilitate cooperation within the watershed and to advocate for land practices and policies that will reduce future flood damage and improve water quality. As a large percentage of the county's runoff flows through the roadsides of Bremer County, it is important that the ditches are used to help reduce flooding and improve water quality.

There are extensive agricultural activities throughout the county. This mix of environments creates a mosaic of landscapes. A roadside inventory was completed in 2019 by Wartburg College to help identify the composition of vegetation in the county. Items included in the inventory: vegetative cover, native vegetation stands, weed concerns, brush, encroachment, bare areas and areas of erosion. The inventory data was analyzed by the county GIS Department and loaded as a layer onto the county's Pictometry site. The Roadside Manager continues to evaluate the data to help guide the program's direction.

B. Equipment

Several pieces of equipment have been purchased since the program began five years ago (Appendix H). Needed equipment is prioritized and purchased as funding allows. An important funding source has been the Living Roadway Trust Fund (LRTF).

VI. Program Operations

A. Annual Operations

In an effort to achieve IRVM goals in Bremer County, a general work plan, including roadside burning, seeding, and brush and weed control efforts is outlined in the Bremer County IRVM Schedule (Appendix I)

B. Work Area Types

Bremer County IRVM works primarily in rural areas. Intersections and sight lines are prioritized for management of encroaching brush and weeds. Seeding projects and associated maintenance and management vary by construction project, size and accessibility, location, etc. Mowing activities are prioritized by road surface type with paved roads being shoulder mowed 3 – 5 times through the growing season and granular roads 1 – 2 times.

C. Vegetation Types for Specific Uses

In rural ROW cleanouts, native grass and wildflower seed will be used where appropriate. Shorter grass species will be seeded in intersections, cool-season lawn species in areas where mowing is desired, etc.

D. Training and Safety

Continuing education is essential in keeping current with IRVM. New ideas and technologies are continually arising. Changes in equipment, research, herbicides, and rules and regulations are constant. The roadside manager and/or roadside vegetation management aide are encouraged to attend conferences, workshops, and meetings.

Annually all employees are assigned Safety Training. This Safety Training is based on the employee's job description. New hires are also assigned the training when they begin their job. Additional training is scheduled as needed. Employees are trained to use the department's equipment. Equipment is inspected prior to using. Employees are provided with necessary PPE for their job.

VII. Methods

The IRVM Technical Manual will be referenced for procedures for vegetation establishment and ongoing maintenance. After maintenance projects (cleanouts, road regrades) are completed, the site will be inspected prior to any preparation or seeding work. This inspection will help determine the management decisions for the site, ie: size, is the site mowed frequently?, do wet conditions exist?, good location for native grasses and wildflowers?, other seed mix to establish?

A. Site Preparation

Appropriate site preparation as the terrain and conditions allow will increase the success of the planting. Site preparation may include some or all of the following methods: mowing, spraying, soil pulverizer, and harrowing.

B. Seed Mixes and Rates

Where native seed is not used, Bremer County uses two other seed mixes. Both mixes are seeded at 60-80 lbs. per acre.

1. Shoulder mix – Tall Fescue, Perennial Rye, Annual Rye. Used for lawns, intersections, and areas where frequent mowing occurs.
2. Shoulder mix with Natives – Tall Fescue, Perennial Rye, Annual Rye, Switchgrass, Indian Grass, and Canada Wild Rye. Used for areas that are occasionally mowed, have noxious weed competition, and that are prone to flooding.

C. Seeding Techniques

The seeding method will be dictated by site conditions and slope. On smaller areas with steep grades, hydroseeding will be used to apply seed, mulch and water in one pass. On larger areas with steep to nominal grades, a two-pass approach with a hydroseeder may be used. The first pass will be the seed, minimal mulch, and sufficient water to cover the area to be seeded. The second pass will be a higher rate of mulch and water. This two-pass approach will allow greater seed-to-soil contact, which should help improve seed germination rates.

On large areas with more level slopes, a drill may be used for the first pass. Drills do a better job of ensuring seed-to-soil contact than hydroseeding. To aid in germination and to help prevent erosion, a second pass may occur using the hydroseeder to apply mulch and water.

D. Erosion and Sediment Control

Erosion control measures in addition to hydromulch may be needed as evaluated on a site-by-site basis. These could include: rolled erosion control blankets, sediment logs, and filter socks.

E. Vegetation Establishment Maintenance

To help reduce competition from weeds, when possible the newly planted areas will be mowed to a height of 6 inches before weeds get too tall. This may need to be done one or two times during the first season, and possibly at a higher height in the second season. Native plants need

as least two years before they can begin competing with weeds. When enough fuel is present, prescribed burns may be used to aid the establishment of the native vegetation.

F. Noxious Weed and Brush Control

Weed control along roadsides will require a multi-pronged approach. The establishment of native vegetation on bare soil will help minimize weeds taking over the disturbed soil. The controlled use of mowing will help prevent weeds from seeding. Using herbicides to carefully spot-treat weeds will be needed to control certain weeds, like Canada thistle. Fire may also be used as a management tool to suppress weeds and lead to a healthier stand of native vegetation. Fire discourages the growth of invasive and woody plants. Fire invigorates the growth of native plants since nutrients are recycled.

Brush control along roadsides will also require a multi-pronged approach similar to weed control. A systematic approach will be needed to control brush. Brush needs to be controlled where visibility is reduced at any intersection. Also the control of brush from the fore slope to ditch bottom should be managed countywide. As time and resources allow, additional areas of the ROW can be controlled for brush.

Brush cutting will be done by the secondary road crews as time and conditions allow. Hand and mechanical cutting will occur. Stumps will be treated with herbicides to help prevent regrowth. Foliar applications of herbicides to brush will occur along with the control of noxious weeds. A spray unit will be needed to apply herbicides selectively to control noxious weeds and brush.

VIII. Material Procurement

A. Sourcing

Seed for cover crops as well as the various grass mixes used in maintenance seedings will be competitively obtained from local sources if possible. Additionally, seed will be requested from the Tallgrass Prairie Center when available through the TAP program. This is a valuable program that helps provide native grass and wildflower seed to county IRVM programs.

Hydroseeding materials, erosion control products, herbicides and other materials that are needed to complete jobs, will be purchased locally if possible. Price and availability will factor into the determination of the source of materials.

B. Material Handling and Storage

An interior room in a storage building was converted to an insulated seed storage room in 2019 using LRTF funding. The seed room is temperature and humidity controlled to ensure the longevity of the seed. Hydroseeding materials are stored in a pole building at the County Farm. There is adequate space to store an entire truckload of material.

IX. Funding History

The history of funding received from the Iowa Living Roadway Trust Fund is included (Appendix J). Future funding from the LRTF for new equipment will be critical to supplement the budget and to keep the Roadside Vegetation Management program strong.

**X. INTEGRATED ROADSIDE VEGETATION MANAGEMENT
STATEMENT OF SUPPORT**

The Bremer County Board of Supervisors, Bremer County Engineer, Bremer County Conservation Department, and the Bremer County Roadside Vegetation Management Department come together in cooperation, common goals and shared ideas to manage roadsides in Bremer County by and through integrated roadside principals.

We realize that IRVM will be beneficial to our roadside management goals while being economically and environmentally beneficial.

We understand that working in unison toward improving roadside vegetation is the most efficient way to accomplish the goal of improved, safe, and weed free roadsides. These roadsides will also add to the habitat and natural beauty of Bremer County.

We hereby agree to manage Bremer County roadsides according to the provisions described within this management plan.

Bremer County Board of Supervisors

By: Tim Neil
Chairperson, Tim Neil
Date: 4-20-2020

Bremer County Engineer

Landon Moore
Landon Moore, P.E.-Engineer
Date: 4-27-20

Bremer County Conservation

Andy Hockerson
Andy Hockerson, Director
Date: 4-24-20

Bremer County Roadside Manager

David Lehman
David Lehman, Roadside Manager
Date: 4-21-2020

APPENDIX A BREMER COUNTY COOPERATIVE AGREEMENT

INTEGRATED ROADSIDE VEGETATION MANAGEMENT

I. INTRODUCTION

The Integrated Roadside Vegetation Management (IRVM) Department was developed to better serve the public using IRVM techniques for vegetation management and maintenance in Bremer County. The roadside manager position was created to manage the IRVM Department and to assume duties of the weed commissioner.

Roadsides primary function is to handle surface water from the road surface and adjacent land. Because of steep sloping land and poor soil conditions in many roadsides, weed invasion and soil erosion are constant problems in Iowa. Roadside managers have learned to avoid planting species favored in the past (Eurasian grasses and legumes) and tend toward species native to Iowa that are better suited to our soils and climate. IRVM techniques can produce a roadside that is resistant to weed invasion and soil erosion, yet requires less maintenance. The Bremer County IRVM program will address weed control, brush control, encroachment, mowing, roadside beautification and public relations in a comprehensive plan.

IRVM is a decision making and vegetation management process for maintaining roadside vegetation that integrates the following:

- Needs of county citizens and roadway users
- Knowledge of plant ecology and natural processes
- Design, construction, and maintenance considerations
- Monitoring and evaluation procedures
- Government statutes and regulations
- Mechanical and chemical technology

...to manage roadsides economically for safety, and enhance environmental quality and scenic beauty.

The following paragraphs summarize mutual agreements, understandings, and other covenants among and between the **Bremer County Board of Supervisors, Bremer County Engineer, Bremer County Conservation Department, and Bremer County Integrated Roadside Vegetation Management Department.**

II. THE PLAN

A comprehensive IRVM plan will be created by the roadside manager, county engineer, and conservation director to guide the Bremer County IRVM program and policies as allowed in Chapter 314.22 (IRVM), plus policies concerning Chapter 317 (Weeds) of the Code of Iowa. The development of this plan will involve public input and participation. The plan will be reviewed by the Bremer County Board of Supervisors and implemented following their approval. The roadside manager will actively pursue achieving the plan according to priority goals, objectives,

and policies identified in the plan. The roadside manager, chairperson of the board of supervisors, the county engineer, and county conservation director will review the plan's progress quarterly (March 1, June 1, September 1, and December 1). The plan shall be updated and reviewed annually (January), and approved by the Board of Supervisors.

III. THE IRVM ROADSIDE MANAGER

The County Board of Supervisors with the County Engineer and County Conservation Director will evaluate and interview candidates. The IRVM Roadside Manager's job description will be utilized in selecting candidates. The IRVM Department shall be administered as an independent department. The roadside manager shall be directly accountable to the board of supervisors on a regular basis; and be responsible for implementing the Bremer County IRVM Plan established by the roadside manager in consultation with the board of supervisors, county engineer, and conservation board director. With the established IRVM plan, the roadside manager shall be empowered to assume his/her duties without trivial interference from any parties of this agreement. This does not abrogate the authority of the board of supervisors to oversee the safe, efficient, and effective performance of duties by the roadside manager; nor does it remove authority or responsibilities for the management of right-of-way by the county engineer as defined in the Code of Iowa.

IV. PROGRAM ADMINISTRATION

The following statements define IRVM program covenants as agreed by the parties to this agreement.

A. Roadside Seeding

The roadside manager shall be responsible for seeding disturbed roadsides, clean-outs, re-graded rights of way, new construction, and other locations. The engineer shall notify the roadside manager of probable timetable. The roadside manager shall be responsible for selecting and obtaining seed according to the provisions of the IRVM plan.

B. Spraying

The roadside manager will be responsible for spraying noxious weeds and/or brush as described in the IRVM plan. The roadside manager will be responsible for researching and selecting the best equipment available within budget limitations. The purchase of spray equipment shall be upon the approval of the board of supervisors.

C. Roadside Mowing

Roadside mowing shall be accomplished by the secondary road department crews according to the IRVM plan and overseen by the county engineer and roadside manager.

D. Brush Control and Removal

Brush control and removal shall be coordinated and administered by the roadside manager. Secondary road department crews will assist the roadside manager seasonally when available as determined by the engineer in locations identified by

the roadside manager and engineer. Control of brush shall be by mechanical means, chemical, or both.

E. Chemical Usage

The roadside manager shall select and spray chemicals to control vegetation according to IRVM principles and the IRVM plan.

F. Prescribed Fires

The roadside manager shall be responsible for conducting safe roadside burns according to the IRVM plan. The engineer and conservation director may allow staff to assist in this capacity. The roadside manager may assist the conservation department with prescribed fires on Bremer County conservation areas. The conservation department and IRVM department may share firefighting and control equipment.

G. Vehicles

The board of supervisors shall provide the roadside manager a safe and efficient vehicle capable of handling staff and equipment necessary to carry out the provisions of the IRVM plan. The secondary road department shall maintain same with the expense for maintenance and repairs paid by the IRVM Department.

H. Office Space

The secondary road department and county engineer shall provide office space at the county highway department building. The roadside manager shall have use of necessary office equipment and telephone. The IRVM Department shall be responsible for providing office supplies.

I. Insurance

The IRVM Department shall be responsible for paying for insurance costs for IRVM department vehicles.

J. Education/Training

The roadside manager shall be permitted to attend conferences and continuing education that promotes professionalism and competency.

K. Other Equipment

Equipment not described in this agreement shall be arranged separately by verbal or written terms in order to accomplish terms of this agreement.

Resolution #15-32

Witnesseth:

WHEREAS, the Bremer County Board of Supervisors, Bremer County Engineer, Bremer County Conservation Department, and Bremer County Integrated Roadside Vegetation Management Department, in a spirit of cooperation, common goals, and shared vision to manage roadside vegetation within Bremer County by and through an Integrated Roadside Vegetation Management (IRVM) program; and

WHEREAS, the parties of this agreement recognize the benefits of an IRVM program, including the economically and environmentally sustainable objectives; county beautification and safety; and

WHEREAS, the implementation of this program is pivotal to the joint creation, monitoring and updating of an IRVM plan, that incorporates public participation, input, education; and

WHEREAS, the board, departments, and administrators to this agreement shall strive to achieve the goals and objectives of the IRVM program; and

WHEREAS, the signors of this agreement will meet quarterly to review the plan, update the plan, and work toward joint approval annually according to the timetable described herein.

THEREFORE, BE IT RESOLVED that the Bremer County Board of Supervisors shall establish an Integrated Roadside Vegetation Management Department and plan according to the provisions described herein.

BREMER COUNTY
BOARD OF SUPERVISORS

By 
Chairperson, Dewey Hildebrandt
Date: 4/27/2015

IN WITNESS WHEREOF, these signors agree to the terms of this agreement:

BREMER COUNTY
ENGINEER


Todd Fonkert
Date: 4/27/2015

BREMER COUNTY
CONSERVATION DIRECTOR


Frank Frederick
Date: 4/27/15

BREMER COUNTY
ROADSIDE MANAGER


David Lehman
Date: 4/27/2015

Attest: 
Shelley Wolf
Bremer County Auditor

BREMER COUNTY IOWA



Prepared By
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In Cooperation With
**United States
Department of Transportation**

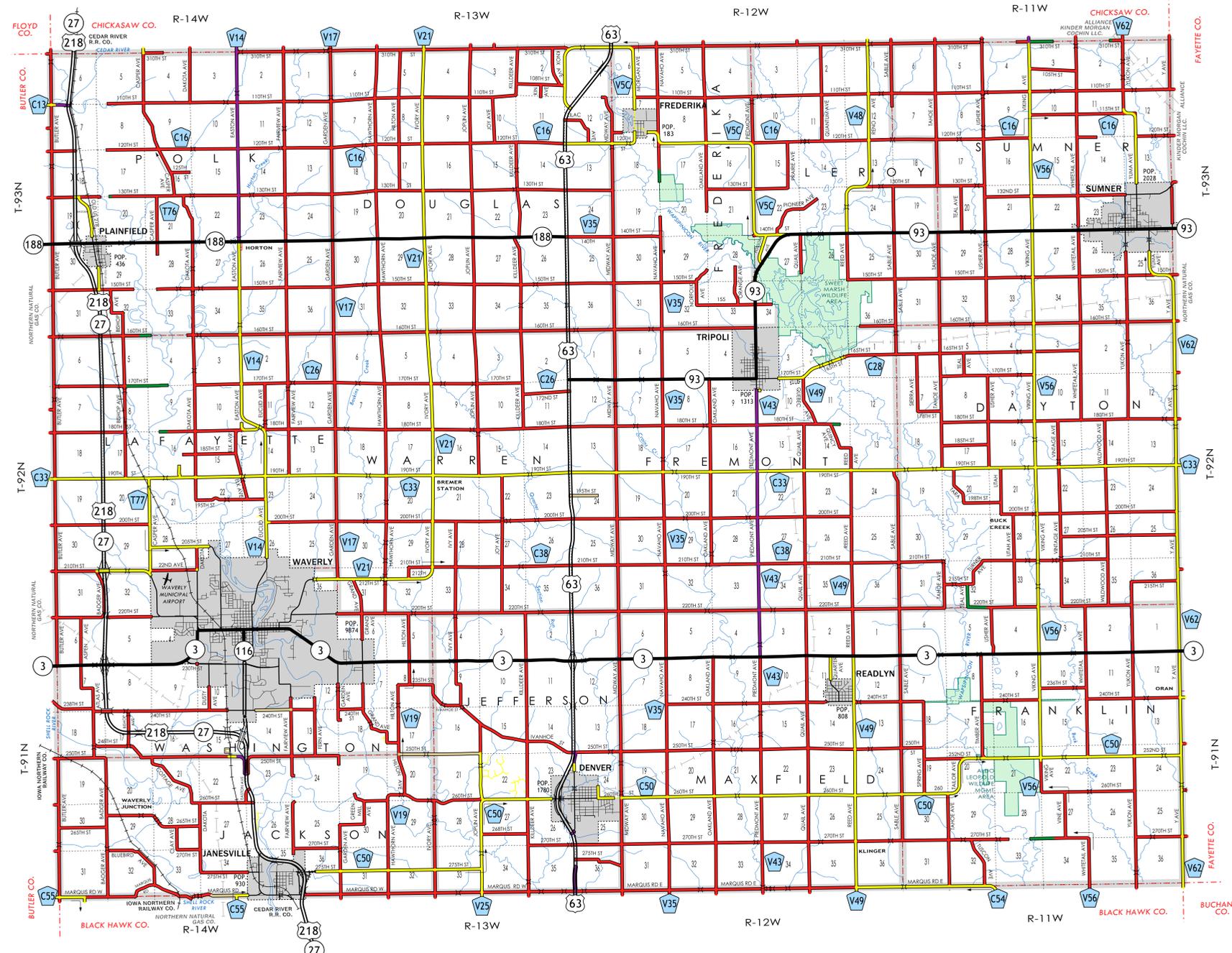
JANUARY 1, 2019



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LEGEND

- INTERSTATE HIGHWAY
- PRIMARY HIGHWAY-DIVIDED
- PRIMARY HIGHWAY-CONCRETE ROAD
- ASPHALT ROAD
- BITUMINOUS ROAD
- GRAVEL ROAD
- EARTHEN ROAD
- INTERSTATE HIGHWAY
- UNITED STATES HIGHWAY
- STATE HIGHWAY
- COUNTY HIGHWAY
- RAILROAD
- PIPELINE
- AIRPORT
- HYDROLOGY
- BRIDGE
- STATE BOUNDARY
- COUNTY BOUNDARY
- CORPORATE BOUNDARY
- TOWNSHIP LINE
- SECTION LINE
- ROAD NAMES
- UNINCORPORATED PLACE
- STATE PARKS
- STATE INSTITUTIONS
- FEDERAL LAND



Bremer County Roadside Vegetation Management No Spray Request Program

Chapter 317 of the Code of Iowa was established to impose county control over noxious weeds on public and private property. Chapter 318 of the Code of Iowa imposes upon the county the duty to remove obstacles within the right of way. Many weeds growing in the right of way are on the state noxious weed list. Trees and brush in the right of way create obstacles to vision, and if allowed to grow, create hazardous obstacles for errant vehicles. Bremer County spot treats noxious weeds and brush using selective herbicides. Spraying weeds and brush with herbicides is by far the most efficient manner of controlling the growth of noxious weeds and brush within county rights of way.

In spite of care exercised by county employees conducting roadside spraying, occasionally spray vapor drifts onto adjacent properties where it may burn or kill plants close to the right of way line. Some landowners with children prefer that the county not spray near their yards. With the increasing number of organic farms in Iowa, roadside sprayers are asked to avoid spraying certain areas to avoid decertifying the farm's organic status, which takes three years of certified no-chemical use to earn.

The desire to have the county not spray certain areas of its right of way has led to the placement of multiple types of "No Spray" signs. These signs may be screened by the very weeds the county seeks to destroy in response to its state code mandated duty, resulting in the county spraying areas that the landowner prefers not to have spray applied.

Whether spraying occurs or not, noxious weeds must still be destroyed. Brush, which often screens sight lines at intersections or driveways, must also be controlled. Due to the limited number of county employees, the elimination of noxious weeds and brush must be done efficiently to allow the county to maximize the impact a limited number of crew members makes on over 1400 miles of county road rights of way which adds up to over 4500 acres of property to manage. Since county crews often cannot be freed from methods, if spraying is not allowed due to landowner preference, the landowner shall bear the responsibility for destroying problem weeds and brush.

This program addresses the permitting of no spray areas and sets up requirements for landowners who choose not to have the county spray weeds and brush in the county rights of way adjacent to their land.

No Spray Program

Landowners may request that road rights of way adjacent to their property not be sprayed. To join this program, landowners must request to place no spray signs at their property line where it joins county right of way. Upon approval of the no spray request, the county will issue signs saying "NO SPRAY" which must be installed and maintained in place by the property owner. The property owner is required to purchase the signs, supply the posts and install the signs. If the signs are vandalized or destroyed, the landowner may purchase new signs. The county is not liable for spraying areas that are not marked in compliance with the terms of this program.

The height for these signs is 5 feet above the road shoulder elevation. This height is the same as required for road signs and places the signs above most weed growth. Signs will be posted at the right of way line so that they are visible from the road. The signs should be mounted on a metal post at the right of way line or next to the fence in the area to be included in the program. The signs will be posted at both ends of the area not to be sprayed. It is the responsibility of the landowner to contact Iowa One Call before placing the sign posts. The county will annually place a press release in the official county newspapers opening applications for no spray areas. Requests will be approved upon application by the Roadside Manager and County Engineer. Landowners who do not obtain a no spray request form will not be eligible to participate in the program. Signs not conforming to the county standard will not be allowed.

By enrolling in this program, the landowner will agree to take responsibility for the destruction of noxious weeds, trees, and brush within the no spray areas. Noxious weeds, as listed in Chapter 317, Code of Iowa, shall be destroyed by June 1st of every year. If, upon inspection by Bremer County Roadside Manager, the vegetation is found to be improperly managed, Bremer County reserves the right to spray the affected area.

Bremer County Roadside Vegetation Management
1995 Euclid Ave
Waverly, IA 50677
dlehman@co.bremer.ia.us 319-559-0559

NO SPRAY Request Form

Name: _____ **Phone:** _____

Address: _____

City/State/Zip: _____

I request that the Bremer County Roadside Vegetation Management Department not apply any herbicides to the right-of-way adjacent to the property I hereby designate.

Areas That Are Not To Be Treated

(Please be as specific as possible, feel free to include an illustration of the area)

County Road _____ Side of Road N S E W

From _____

To _____

County Road _____ Side of Road N S E W

From _____

To _____

In return, I ask permission to work within the public right of way to remove noxious weeds and to remove brush by cutting and treating the stumps. I will post and maintain the county issued NO SPRAY signs at **both ends** of the area. The signs will be placed 5-feet above the ground and have an unobstructed view from the road. The cost is \$15.00 per sign.

I understand that by requesting that no herbicides be used in this area, I am now responsible for the vegetation control in the right-of-way including: brush, trees, and noxious weeds (as listed in Section 317.1A, Code of Iowa). I understand that I am to destroy State of Iowa listed noxious weeds by June 1st of every year.

If, upon inspection by Bremer County Roadside Manager, the vegetation is found to be improperly managed, Bremer County reserves the right to apply herbicides to the affected area.

This agreement is valid until December 31st of the year signed and must be renewed every year.

DATE: _____

DATE: _____

Applicant Name

Bremer County Roadside Vegetation Manager

Property Owner (if other than applicant)

Bremer County Engineer

SECTION ONE-APPLICATION

Any property owner desiring a field entrance or driveway access to any county road, or to move and reconstruct any existing access, shall make written application on the prescribed form available at the office of the county engineer. This permit shall expire one year after date of approval by Bremer County, if proposed driveway or entrance construction is not completed. Permit fee of \$25.00 is due at the time of application. Fee is to cover the cost of on-site review.

SECTION TWO-LOCATION AND REVIEW

All field entrances and driveway applications shall be reviewed by the County Engineer or designated representative for location, safety, and drainage.

Each access shall be located to ensure a minimum sight distance of 350 feet on non paved roads and 550 feet on pavements.

One access will be allowed for each parcel of 40 acres or less bordering any roadway. An additional access will be allowed if the parcel is divided by a non crossable waterway. An additional access will be allowed to serve a residential dwelling within a parcel of more than 5 acres.

No horseshoe drives will be permitted.

SECTION THREE-CONSTRUCTION

All field entrances and driveways shall be constructed in a workmanlike manner to acceptable standards with privately owned equipment. Field entrances and driveways shall be constructed with a minimum top width of 20 feet and a maximum of 40 feet. Commercial drives shall be constructed with a maximum top of 50 feet. Two party drives shall have a maximum top of 50 feet.

Side slopes for entrances and driveways shall be 3 to 1 on non paved roads and in rural subdivisions, 10 to 1 for fill drives and 8 to 1 for drives with culverts within the clear zone on paved roads.

Field entrances and driveways, if possible, should approach the roadway on an uphill grade. Field entrances and driveways approaching the roadway on a downhill grade shall be shaped to drain surface water before reaching the shoulder line of the roadway. Maximum grade for a field entrance or driveway shall be 10 percent.

Fill for accesses shall be dirt only. No broken concrete, stone, tile, wood, or other rubble will be allowed. Driveways to be used as home drives shall be surfaced with 2" of class "A" crushed rock.

Drives to be paved with portland or asphaltic concrete shall be inspected by the county engineer or his representative to insure proper drainage prior to placement of pavement material. Finished driveway profile shall match design cross slope of roadway shoulder. County will not be responsible for damage to paved drive surface due to maintenance activities within the road right of way.

If a contractor is used to construct the drive the contractor shall have liability insurance covering all the construction operations and the contractor must have on file with Bremer County Engineer a certificate of insurance.

"ROAD WORK AHEAD" signs required for traffic control during construction. Signs can be picked up at the county shop north of Waverly, set up properly, removed and returned. Otherwise applicant/contractor can supply own signs.

SECTION FOUR-PIPE

The County Engineer will determine size and length of pipe required at time of application review. Acceptable pipe materials are riveted corrugated metal pipe and reinforced concrete pipe which meet the standard specifications of the Iowa Department of Transportation. Minimum pipe diameter is 18". Only new pipe will be accepted unless prior approval obtained from Bremer County.

Pipe can be purchased from vendor of applicant's choice.

SECTION FIVE-COST

Applicant assumes all cost associated with the installation and modifications to all field entrances and and driveways. County will not participate in the installation or cost unless county initiates replacement, removal, or modification.

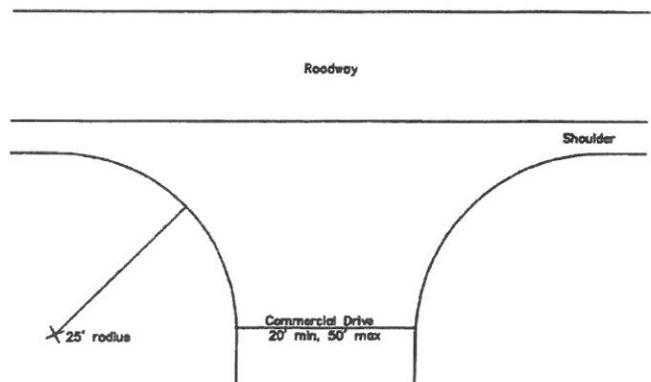
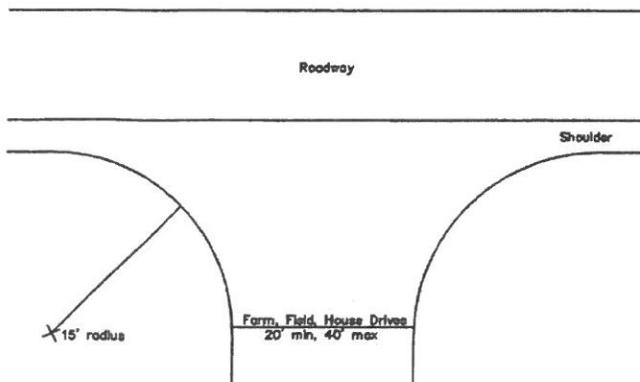
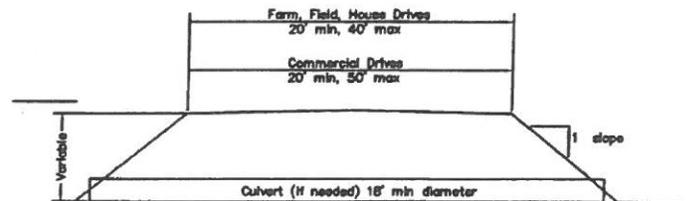
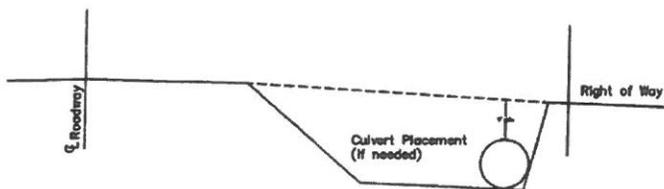
SECTION SIX-MAINTENANCE

Bremer County will only assume maintenance of the drainage structure upon inspection and acceptance as of date on the permit. Applicant assumes maintenance of the surface. If it becomes necessary to disturb a paved driveway because of maintenance reasons, restoration of any pavement removed will be on a case by case basis. County will not rock or maintain field entrance or driveway beyond the shoulder line.

When the county resurfaces a paved highway and it becomes necessary to bring the level of an access to the same level as the pavement, the county will match the existing surface of the access at the time of work.

County may remove any entrance not built to these specifications.

Construction Standards



APPENDIX E

PERMIT FOR EXCAVATION WITHIN THE RIGHT-OF-WAY

THE BREMER COUNTY ENGINEER hereby grants permission to:

Owner/Applicant's Name _____ Telephone _____

Address _____ City _____ State _____ Zip _____

Contractor _____ Telephone _____ Fax _____

Address _____ City _____ State _____ Zip _____

LOCATION of WORK _____

SKETCH of WORK TO BE DONE:

The proposed work is located in Sec _____, Twp _____ N, Range _____ W
Located _____ feet _____ of the _____ corner of said Section.

This permit granted for the removal or the disturbance of soil from the County Right-of Way is governed by the following:

1. Applicant MUST contact Iowa One Call for utility locations within the excavation area. The Iowa One Call telephone number is 800-292-8989 and requires at least 48 hour notice. NO EXCAVATION MAY BEGIN UNTIL LOCATIONS HAVE BEEN MARKED.
2. Applicant is responsible for all necessary permitting from DNR, Corp of Engineers or for storm water discharge.
3. Applicant shall take all reasonable precaution during the construction and operation of the facility to protect and safeguard the lives and property of the traveling public and adjacent property owners and shall save Bremer County harmless of any damage. This provision is intended to include any damage to fences, watersheds, tiling and drainage construction owned by either Bremer County or adjoining property owners.
4. Operations and the construction and maintenance of said facilities shall be carried on in such a manner as not to interfere with or interrupt traffic on said county roads.
5. When performing work within the right-of-way, the owner or their contractor, agree that for all work done in the county road right-of-way, easement or other county property, that they shall be solely responsible for work zone safety and shall hold the county harmless and agree to indemnify the county from all claims that arise from their work in the right-of-way, and further, they agree that they will adhere to the manual on Uniform Traffic Control Devices (MUTCD) during the project. The owner or their contractor is responsible for providing, installing maintaining, and cleaning warning signs and protective devices; removing warning signs and protective devices when the work is complete; and providing flaggers for the protection of the traveling public and workers on the site.
6. Applicant shall hold Bremer County harmless from any damage that may result to said roadway because of the construction, operation or maintenance of said facility and/or connecting facilities and shall reimburse Bremer County for any expenditures it may have to make on said highway on account of said construction, operation or maintenance by the applicant, and shall replace and restore any roadway, including surface and subsurface materials.
7. Applicant shall hold Bremer County, Iowa, harmless from any damages that said County would otherwise be responsible for, that flow directly or in-directly from said project, because of construction, operation, or maintenance of said facility.

8. It is further understood and agreed that Bremer County, Iowa, shall not be liable, in any manner whatsoever, for any damages which might be caused by the actions of the County, its employees or agents, whether acting or assisting the applicant herein, acting in their own behalf, or for damages not related to work on the project caused incidentally by the negligence of the County. This is intended to be a complete indemnity agreement to the County for any claim or claims by the applicant company or to others against the County for damage to the applicant company's facilities.
9. Applicant shall hold Bremer County harmless and indemnify said county from any claim whatsoever by any and all person or persons, whether individually, jointly, or collectively, growing out of the installation, construction, maintenance, or repair of the facility. In the event claim is made (whether by suit or otherwise) applicant shall assume full responsibility for defending said claim, shall bear all expenses associated with said defense, and shall in every respect protect the county there from. Applicant shall further provide to the public of said applicant's insurance coverage for any claim or claims whatsoever the construction, maintenance, operation or repair of said facility. Said certificate shall be in a minimum amount of \$1,000,000.00 and applicant shall provide the County Engineer with proof of said insurance when requested, but, in any event, no later than annually so long as this agreement exists. Failure of the applicant to maintain insurance shall not relieve said applicant of the indemnification duties hereunder, but may be ground for termination of this agreement.
10. **Minimum ditch depth is two feet and maximum depth is three and one-half feet.** Unless otherwise approved in advance. The right-of-way width requirement shall be agreed upon prior to approval of excavation or reconstruction permit.
11. Applicant will notify the County Engineer when work is to begin and when the work is completed.
12. Applicant agrees to make any corrections to the work upon the County's inspection.

Owner's Signature _____ Date _____

Approved By _____ Date _____

Inspected By _____ Date _____

APPENDIX F

BREMER COUNTY EMPLOYEE JOB DESCRIPTION

Position: Roadside Vegetation Manager
Department: Integrated Roadside Vegetation Management (IRVM)
FLSA Status: Non-Exempt
(Status will change to Exempt when directing work of 2 full time employees or equivalent is achieved)
Date Adopted: November 17, 2014

Reports to: Board of Supervisors
Supervises: Full-time & seasonal staff
Date Updated:

SUMMARY: The Roadside Vegetation Manager shall administer, develop, plan, and conduct a program of vegetative habitat management that seeks to control unwanted vegetation and promote desirable vegetation on Bremer County right-of-way and public drainage ditches and perform related duties as assigned by the Board of Supervisors in consultation and cooperation with the County Engineer and County Conservation Director. The Roadside Vegetation Manager shall serve as Bremer County Weed Commissioner and will address the provisions of Section 314 of the Code of Iowa, the IRVM Manual and Section 317, the Noxious Weed Law.

ESSENTIAL DUTIES AND RESPONSIBILITIES

1. Planting and maintenance of native and introduced grass/forb communities in newly graded, cleaned out, or otherwise disturbed sites on county rights-of-way.
2. Development of a program of public information and education to promote public understanding of IRVM, and wise land use that contributes to the goals of the IRVM program.
3. Inventorying and documenting plant communities and trends along county rights-of-way.
4. Managing those areas of native vegetation identified by the inventory process to improve their diversity and promote their continued health.
5. Coordinates and administers the removal of trees and brush causing safety concerns along county roadways.
6. All Weed Commissioner duties and responsibilities and performs other duties as assigned.
7. Control of noxious weeds in rights-of-way and public drainage ditches.
8. Serves as the trainer/inspector/manager for staff dealing with seeders, tractors, mowers, sprayers and other roadside management equipment.
9. Performs administrative duties such as roadside plan updates, successful grant writing, and writing of reports for monthly and annual updates as requested.
10. Prepares and monitors the department's annual budget and at a minimum provides monthly reports to the Board of Supervisors on department activities and provides a copy of the monthly reports to the County Engineer and the County Conservation Director.
11. Serves as the (IRVM) Integrated Roadside Vegetation Management coordinator for Bremer County and attends, organizes meetings and assists with the direction of the group's vision. Attends state and regional conferences relating to the field as directed.
12. Assist to the best of your ability the enforcement of all Local, State, and Federal laws pertaining to the operation of roadside vegetation management within Bremer County and serves as a liaison for these law enforcement agencies.
13. Supervises and directs staff including, but not limited to assigning, checking & planning the work schedules of full-time, seasonal, and volunteers.
14. Financial: Establishes a long term plan for roadside development that meets the goals and objectives of the Secondary Roads, & Bremer County Conservation Departments, including long-term budgeting for capital expenditures.
15. Assists the County Conservation Department and County Secondary Roads Department in the management and monitoring of public lands where applicable to promote native vegetation in the state of Iowa.

QUALIFICATIONS: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Created on

EDUCATION and/or EXPERIENCE

Required:

1. Graduation from an accredited college or university with a minimum A.A./A.A.S., prefer B.A./B.S. in Biology, Botany, or a related natural science degree or an equivalent combination of education and work related experience.
2. Maintain a valid, Class B, Commercial driver's license with air brake endorsement. Ability to maintain drug free environment and pass periodic random drug screening.

Recommended upon hire, but must be within 6 months or within reasonable date only with prior approval from Board of Supervisors:

3. Maintain a valid pesticide applicator's license in category 6 (Right-of-way) and category 1A (Agriculture).
4. Must possess Wild land Fire Training Certification– S130, S190, S290
5. Other certifications as required.

LANGUAGE SKILLS: Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures or governmental regulations. Ability to successfully write reports for business correspondence and procedure manuals.

TECHNICAL SKILLS

- Ability to utilize Microsoft Windows / Office, for word processing and data management.
- GIS & GPS equipment expertise as required for monitoring.
- Demonstration of strong organization skills.
- Demonstration of good oral and written communication skills.
- Knowledge of principles of land use and the environmental, social, and economic problems that affect it.
- Ability to plan work, think conceptually, analyze data, observe and evaluate, and make sound decisions and recommendations.
- Ability to work well with the public and private sectors on diverse roadside projects.
- Ability to identify native and introduced plant species, including invasive or non-desirable.
- Knowledge of the principles of wildlife management/protection and conservation practices relating to roadsides.
- Ability to supervise and direct support staff engaged to carry out program.
- Ability to operate and maintain power equipment.
- Ability to multi-task and prioritize job activities to achieve maximum overall results.

PHYSICAL DEMANDS: The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job the employee is regularly required to talk or hear. The employee is frequently required to stand; walk; use hands to finger, grasp, handle or feel; climb, balance, stoop, kneel, crouch, crawl, push or pull and reach with hands and arms. The employee must frequently lift and/or move up to 50 pounds.

The visual requirements for this position are similar to those classified as machine operations. This is a minimum standard for use with those whose work deals with machines such as lathes, drill presses, power saws and mills where the seeing job is at or within arm's reach. Also, mechanics and skilled tradespeople and those who do work of a nonrepetitive nature such as carpenters, technicians, service people, plumbers, painters, mechanics, etc.

WORK ENVIRONMENT: The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. This worker is subject to outside environmental conditions year around. This worker is subject to extreme cold and extreme heat. The worker is subject to noise and hazards including moving mechanical parts, electrical current, working on scaffolding and high places, exposure to high heat or exposure to chemicals; conditions that may include fumes, odors, dusts, mists, gasses or poor ventilation; oils.

1. Marginal functions of the position that are incidental to the performance of essential job duties have been excluded from this job description.
2. All requirements are subject to possible modification to reasonably accommodate qualified individuals with disabilities. Prospective employee and incumbents are encouraged to discuss possible accommodations with Bremer County
3. Job descriptions in no way state or imply that the description includes every duty to be performed by the employee in the position. Employees will be required to follow any job-related instructions and to perform any job-related duties requested by the Board of Supervisors.
4. Bremer County reserves the right to change or reassign job duties or combine positions at any time
5. **This document does not create an employment contract, implied or otherwise, other than "at-will" employment relationship.**

Employee:

I have read the job description and fully understand the requirements set forth therein. I hereby accept the position and agree to abide by the requirements set forth and will perform all duties and responsibilities to the best of my ability. I further understand that my employment is at-will and thereby understand that my employment can be terminated at will by Bremer County without notice or by myself with at least 2 weeks' notice.

Date

Employee Signature

Date

Board Chair Signature

APPENDIX G

**BREMER COUNTY
EMPLOYEE JOB DESCRIPTION**

Position: Roadside Vegetation Management Aide Reports to: Roadside Manager
Department: Integrated Roadside Vegetation Management (IRVM)
FLSA Status: Non-exempt Seasonal, April – October
Date Adopted: February 10, 2016

SUMMARY: Assist Roadside Manager with particular aspects of managing roadside vegetation.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Assist with planting and maintenance of right-of-way vegetation.
2. Assist with erosion control on right-of-way plantings.
3. Control noxious and invasive weeds
4. Manage and remove roadside trees and brush
5. Conduct prescribed burns
6. Operate either manual and/or automatic transmission vehicles and tow trailer.
7. Routine maintenance of department equipment

QUALIFICATIONS: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION AND/OR EXPERIENCE: Must have a valid Class A commercial driver’s license (CDL) with tanker endorsement. Possess or acquire a Category 6 Right-of-Way Iowa Pesticide certification within 30 days of hire.

REASONING ABILITY: Ability to apply common sense understanding to carry out instructions furnished in written or oral form. Ability to apply safety practices and procedures to all situations.

PHYSICAL DEMANDS AND WORK ENVIRONMENT: The ability to routinely sit, stand, walk, kneel, stoop, balance, climb and operate power and hand tools. Must be able to work outdoors in various weather conditions and be exposed to dust, fumes, and loud noises. Ability to lift and/or move 75 pounds.

GENERAL PRINCIPLES: Marginal functions of the position that are incidental to the performance of essential job duties have been excluded from this job description. All requirements are subject to possible modification to reasonably accommodate qualified individuals with disabilities. Prospective employee and incumbents are encouraged to discuss possible accommodations with Bremer County.

Job description in no way state or imply that the description includes every duty to be performed by the employee in the position. Employees will be required to follow any other job-related instructions and to perform any other job-related duties requested by the Roadside Manager.

Bremer County reserves the right to change or reassign job duties or combine positions at any time. This document does not create an employment contract, implied or otherwise, other than "at-will" employment relationship.

EMPLOYEE POSITION ACCEPTANCE:

I have read the job description and discussed this position with the Roadside Manager, and fully understand the requirements set forth therein. I hereby accept the position and agree to abide by the requirements set forth and will perform all duties and responsibilities to the best of my ability.

I further understand that my employment is at-will and thereby understand that my employment can be terminated at will by Bremer County without notice or by myself with at least 2 weeks notice.

Employee Signature

Bremer County Roadside Manager

Date

Date

APPENDIX H

IRVM EQUIPMENT

Large Equipment	Year
Chevy Silverado 1500 Ext. Cab	2008
PJ 20'x6' Gray Carhauler 14K	2015
Kubota B3350 Tractor w/loader	2015
Land Pride Rotary Cutter RCR 1860	2015
Land Pride Pallet Forks	2015
Land Pride Soil Pulverizer-5'	2015
SprayLand Sprayer w/535 gallon tank	2015
Bowie 1100 Hydromulcher	2015
Waterax Fire Skid Unit	2016
Dodge Ram 4500 flatbed	2017
Flammable Storage Cabinet	2017
Pesticide Storage Cabinet	2017
PJ 12' x 77" Utility Trailer	2019
John Deere Gator XUV 825E	2018
Seed storage room w/dehumidifier and AC	2019
6 foot harrow (old)	
4 foot cultipacker (old)	
Small Equipment	
FS130 Stihl Trimmer	2014
Earthway Hand Spreader	2015
Solo Backpack Sprayer	2015
Nomex pants, shirts	2015
Bullard Helmets w/Face shield	2015
Drip Torch (2)	2015
Fedco Pump Poly Tank Backpack (2)	2015
Nikon D5300 Digital Camera	2015
MS241 Stihl Chainsaw	2016
Truax Seed Slinger-hand	2016

APPENDIX I

Bremer County IRVM Schedule

January

- Weed Commissioner appointment form to IDALS
- Sign up for Weed Commissioners' Invasive Species Conference
- Sign up for RT-130 Annual Fireline Refresher
- Review and update IRVM Management Plan
- Identify grant items to apply for
- Prepare budget
- Update Labels and SDS sheets for herbicides and adjuvants
- Equipment maintenance
- Brush Cutting

February

- Attend Wildland Fire Refresher Class (RT 130)
- Brush cutting
- Finalize spring seeding plans
- Advertise for Roadside Vegetation Management Aide position
- Prepare LRTF Grant Applications
- Equipment maintenance

March

- AFIRM meeting
- Iowa Weed Commissioners' Invasive Species Conference
- Prepare LRTF Grant Applications
- Order chemical, seed, hydromulch, erosion control products
- Brush cutting
- Interview and hire Roadside Vegetation Management Aide
- Prep burn equipment and begin prescribed burns
- No Spray Program Public Notice

April

- Seed outstanding Fall projects
- Perform prescribed burns
- Noxious Weed Control Public Notice

May

- Spring Seeding
- Bremer County 5th Grade Field Day
- Perform bareground applications on guardrails, trails, parking lots, etc.
- Begin weed and brush spraying

June

- LRTF Grant Applications due **JUNE 1**
- Weed and brush spraying
- Maintenance mowing of previous year's seeding projects

- Spring Seeding
- TAP seed report

July

- Weed and brush spraying
- LRTF Grant Review
- Complete Spring seedings – early to mid-July
- Maintenance mowing of previous year's seeding projects
- Spray Teasel areas

August

- Weed and brush spraying
- Stabilization seedings
- Regional Weed Commissioners meeting
- Maintenance mowing of current year's seeding project
- Cut remaining Teasel heads

September

- Brush spraying
- Begin fall seeding (winter wheat cover crop)
- AFIRM Meeting and IRVM Roadside Conference

October

- Complete brush spraying
- Fall seeding
- Winterize and store sprayer
- Pesticide Continuing Ed (if not covered at IWCA Conference)
- Gather chemical info and fill Iowa Weed Commissioner's Report

November

- Weed Commissioner Report to BOS (Nov 1) and IDALS (Dec 1)
- Finish Fall seeding
- Prescribed burn info/locations
- Brush cutting
- Winterize/store seasonal equipment

December

- TAP seed report
- Van Diest Herbicide seminar
- Inventory chemicals and other materials
- Begin budget preparations
- Identify equipment needed
- Year-end Report
- Brush cutting
- Equipment maintenance

APPENDIX J

LRTF Grant Project Information for Bremer County

DOT Project #	Applicant	Award	FY	Project Name	Type
90-09-LR16-(310)	Bremer County IRVM Department	\$717.56	2016	Digital camera	County
90-09-LR16-(311)	Bremer County IRVM Department	\$757.20	2016	Prescribed Fire Equipment	County
90-09-LR16-(312)	Bremer County IRVM Department	\$1,001.25	2016	Fire PPE	County
90-09-LR16-(313)	Bremer County IRVM Department	\$24,000.00	2016	Hydroseeder	County
90-09-LR17-(304)	Bremer County Roadside Vegetation Management Dept	\$10,000.00	2017	Truax Seed Slinger	County
90-09-LR17-(305)	Bremer County Roadside Vegetation Management Dept	\$398.40	2017	UTV Fire Skid	County
90-09-LR17-(306)	Bremer County Roadside Vegetation Management Dept	\$2,464.00	2017	Spray/Hydroseeding Truck	County
90-09-LR18-(306)	Bremer County Roadside Vegetation Management Dept	\$10,000.00	2018	John Deere 825i UTV	County
90-09-LR18-(307)	Bremer County Roadside Vegetation Management Dept	\$2,883.76	2018	Seed Storage Room	County
90-09-LR18-(308)	Bremer County Roadside Vegetation Management Dept	\$1,329.60	2018	Pesticide and Flammable Storage Cabinets	County
90-09-LR19-(302)	Bremer County Roadside Vegetation Management Dept	\$8,000.00	2019	Roadside Inventory	County
Total LRTF Funding Awarded FY2016-FY2020		\$61,551.77			