

Iowa County IRVM Plan



Prepared by:

Nick Amelon, P.E. – namelon@co.iowa.ia.us

Iowa County Engineer

IOWA COUNTY INTEGRATED ROADSIDE VEGETATION MANAGEMENT PROGRAM PLAN

Preface

a. Update / Version

Update No. 1 of the Iowa County IRVM Plan 4/27/16

b. Mission Statement

The mission of the Iowa County Integrated Roadside Vegetation Management Program is to create public awareness and provide safe, ecologically diverse, environmentally integrated, and aesthetically pleasing roadsides. Per Iowa Code 314.22.

c. Vision Statement

Committed to preserving our rich ecological past. Striving to conserve our natural resources, restore ecosystems services and protect our environment.

Table of Contents

Executive Program Elements

a. Goals.....	5
b. Program History.....	6
c. IRVM Decision Making Process.....	6
d. Executive Summary.....	6
e. County Map.....	6
f. Program Type.....	6

Jurisdiction Recognition and Approval

a. Management.....	7
b. Board of Supervisors.....	7
c. Iowa Code and Administrative Rules – State Laws and Regulations.....	7
d. Local Laws and Regulations.....	7
e. Permits.....	8

Program Organizational Structure

a. Staff Organizational Chart.....	8
b. Staffing Needs.....	8
c. Partners.....	8
d. Stakeholders.....	9

Inventory and Analysis

a. Tools.....	9
b. Natural Resources.....	9
c. Equipment.....	9

Program Operations

a. Work Area Types.....	10
b. Vegetation Types for Specific Uses.....	11

Methods

a. Vegetation Establishment.....	11-14
----------------------------------	-------

Material Procurement

a. Sourcing.....	14
b. Material Handling and Storage.....	14

Appendices

a. Position Description..... 15-16

b. Statement of Support 17

c. Iowa County Map.....18

d. Utility Permits..... 19

Executive Program Elements

a. Goals

Establish and maintain a self-sustaining and visually interesting plant community within the county right of-way that provides for public safety, controls weeds, reduces erosion, preserves and/or increases biodiversity, improves infiltration, maintains drainage patterns, provides habitat, and provides a reduction in long term maintenance costs.

Objectives:

- Promote, establish, and manage native plant species whenever possible
- Survey and maintain an updated inventory of the vegetative community and plant species found within the county right-of-way
- Determine and implement the best IRVM practices for maintaining the right-of-way for public safety and an economically and environmentally sustainable plant community.
- Continually evaluate and monitor the effectiveness of implemented IRVM techniques.
- Work with adjacent landowners, city government officials, and community groups to implement IRVM principles and roadside beautification projects
- Adopt and implement emerging trends in planning and management of roadsides
- Coordinate roadside management activities with the State IRVM Coordinator and DOT Living Roadways Trust Fund Coordinator
- Coordinate roadside management activities with the Tallgrass Prairie Center, University of Northern Iowa
- Work with officials representing local conservation organizations to establish support for the IRVM program
- Implement Chapter 317 of the Code of Iowa
- Maintain written records and submit yearly reports
- Work towards a roadside spraying program
- Focus herbicide applications on those species listed on the States Noxious Weed List

b. Program History

In May of 2016 Integrated Roadside Vegetation Management was implemented by the Iowa County Board of Supervisors and the Iowa County Conservation Board as a joint cooperation. The first Roadside Manager agreed to preform IRVM duties along with duties of the Conservation Board. Iowa County RSVM was managed by Duane Stohlman until his retirement in 2010. Jim Martin became the RSVM manager until his retirement in 2016 at which time Jeff Slaymaker took over the position.

c. IRVM Decision Making Process

As a first priority, current IRVM methodologies will be used that are most consistent with the goals and concepts of roadside vegetation management in this plan. The Roadside Manager along with the County Engineer and County Conservation Board Director will determine budgets, equipment needs and grants.

d. Executive Summary

The Iowa County IRVM Program recognizes that it is new to the system of IRVM implementation, but is committed to planting visually interesting, ecologically integrated, and useful native plant species for many purposes. Maintaining a safe travel environment by providing adequate line of sight at intersections, minimizing snow drifting, and removing potentially dangerous trees and other obstructions. The IRVM program will serve a variety of public purposes including drainage, erosion control, wildlife habitat, recreational uses, noxious weed control, scenic qualities, utility easements, and sustenance of water quality.

e. County Map (Appendix)

f. Program Type

The Iowa County IRVM Program is housed through the Iowa County Conservation Board Office and jointly administered through Secondary Roads Department and Conservation Board.

Jurisdictional Recognition and Approval

a. Management

The County Engineer and Conservation Board Director will make decisions on where major construction takes place and they determine where the larger native seeding projects are carried out. They approve all grant applications and annual budget. Maintenance Superintendent: Delegates daily workload to maintenance employees, approves entrance permits, decides where and when ROW maintenance projects occur (ditch cleanouts, crossroad pipes, entrances, etc.). Roadside Manager: Administers the Roadside Program; seeds all bare soil in a timely manner, decides what types of seed to use and when it should be planted, what types of soil prep work are needed, additional erosion control measures, management of native vegetation after establishment (burning, spraying, etc.). Has input on budget requests. In direct communication with the Engineer, Conservation Board Director, and Maintenance Superintendent on special projects and day to day work priorities.

b. Board of Supervisors/County Conservation Board Statement of Support (Appendix)

c. Iowa Code and Administrative Rules – State Laws and Regulations

- Section 314.22 Integrated Roadside Vegetation Management
- Section 314.17 Mowing Law– No mowing before July 15th
- Section 317.11 Weeds on Roads - Harvesting of Grass
- Section 318.3 Obstructions in ROW / Destruction of plants placed in ROW / Crops in ROW
- Chapter 317 Iowa Weed Law – Noxious Weeds and Enforcement Procedures

d. Local Laws and Regulations

Iowa Code Chapter 317 – Governs county noxious weeds and Weed Commission actions.

e. Permits (Appendix)

Permits and Requests are obtained at the County Engineers Office. Individuals describe what work is being performed or the issue of concern and the appropriate permit or request is retrieved. After the permit or request is filled out with the necessary information and fees collected, the permit or request is issued to the individual and a copy is filed with the county.

- Utility Permit
- Driveway & Entrance Permit
- Working in the Right of Way Permit

Program Organizational Structure

a. Staff Organizational Chart

- County Engineer
- Maintenance Superintendent
- Conservation Board Director
- Roadside Manager
- Seasonal Staff

The County Engineer works with Maintenance Superintendent on delegation of workload. The Roadside Manager manages implements seeding, erosion control and weed control through daily communication and prioritization. All Secondary Roads/Conservation staff are subject to department work duties as needed, given the seasonality, diversity, and unpredictability of the department workload.

b. Staffing Needs/Training

- IRVM employees will maintain a class B CDL, Category 6 Applicators License
- Attend yearly IRVM Roadside Conference
- Follow all safety guidelines when working in the ROW

c. Partners

- Iowa County Engineers Office
- Iowa County Conservation Board
- Utilities

d. Stakeholders

Integrated Roadside Vegetation Management is implemented on behalf of the citizens of Iowa County.

Inventory and Analysis

a. Tools

- Mapping – records for seeding projects
- Aerial Photography – acreage of highlighting planted areas
- Paper Records – equipment maintains logs

b. Natural Resources

Native vegetation, soil, and water are all considered natural resources in the scope of IRVM. Consideration for these natural areas will be identified with IRVM management

c. Equipment

Large Equipment

- IRVM shed (LRTF)
- Truax 8 foot seed drill
- 10 foot disc (LRTF)
- Bush Hog Mower
- Land Pride Broadcast Seeder (LRTF)
- JD 2355 4WD tractor
- Finn T-60 Hydroseeder (LRTF)
- Dump truck
- Danko 250 gal Burn unit (LRTF)

- Dump Trailer(LRTF)
- John Deere XUV (LRTF)

Small Equipment

- Drip torch
- Nomex pants, shirts, coveralls (LRTF)
- Chainsaws (6) (LRTF)
- LandPride 3 point Blade (for tractor)

Program Operations

January – March: Cut trees and brush, IRVM office and LRTF Grants, training and other duties as assigned.

March – April: Prescribed burning, LRTF Grants, inventory and order materials, begin spring seeding, and other duties as assigned

April – October: Seeding, Weed Commissioner duties, erosion control for projects, Spot spraying, mowing 1st and 2nd year plantings, equipment maintenance, other duties as assigned

October – December: Cut trees and brush, fall/dormant seeding, equipment maintenance, reports, material inventory, other duties as assigned

a. Work Area Types

- Rural
 - Rural adjacent agriculture
 - Rural adjacent non-agricultural
 - Rural adjacent homestead
 - Rural adjacent subdivision
 - Rural densely populated areas
- Urban

Unincorporated towns
Rural-Urban Interface

b. Vegetation Types for Specific Uses

- Residential ROW– turf grass – Mowed areas in front of houses
- Non-Residential ROW – native tallgrass prairie – Areas where long term establishment and persistence of tallgrass prairie is deemed feasible by the Roadside Manager
- Miscellaneous ROW / Borrow Area / Easement – cool season grasses – Areas where long term establishment and persistence of tallgrass prairie is deemed not feasible by the roadside manager.

Methods

a. Vegetation Establishment

- Ditch clean out/Regrade
- Site preparation (soil condition)
- Broadcast, Drill, Hydroseed

Native

Big Bluestem	1.5 lbs/ac	Purple Coneflower	1.6 oz/ac
Sideoats gramma	2 lbs/ac	Rattlesnake master	2.4 oz/ac
Canada Wile Rye	2.5 lbs/ac	Ox-eye Sunflower	4 oz/ac
Little Bluestem	2 lbs/ac	Roundheaded Bushclover	1 oz/ac
Indiangrass	1.5 lbs/ac	Wild Bergamot	0.6 oz/ac
Partridge Pea	8 oz/ac	Foxflove Penstamen	0.5 oz/ac
Leadplant	0.5 oz/ac	Large Flowered Penstemon	0.5 oz/ac

Butterfly milkweed	0.8 oz/ac	Prairie Blazingstar	0.8 oz/ac
Swamp milkweed	1 oz/ac	Yellow Coneflower	4 oz/ac
New England Aster	0.3 oz/ac	Blackeyed Susan	3 oz/ac
Canada Milkvetch	0.8 oz/ac	Compass Plant	0.5 oz/ac
White Wild Indigo	0.5 oz/ac	Stiff Goldenrod	0.3 oz/ac
Purple Prairie	4 oz/ac	Ohio Spiderwort	0.8 oz/ac
Showy Tick Trefoil	0.5 oz/ac	Hoary Vervain	0.5 oz/ac
Goldenrod	0.8 oz/ac	Rough Dropseed	16 oz/ac

The species and amounts are both subject to change with the statewide TAP seed purchase annually.

Spring Cover Crop

Cover Crop Oats	80 lbs/ac
Annual Ryegrass	10 lbs/ac
Timothy	1 lbs/ac

Cool Season / Non-Native

Alsike Clover	1 lbs/ac
Medium Red Clover	1.5 lbs/ac
KY 31 Fescue	10 lbs/ac
Gulf Annual Ryegrass	10 lbs/ac
Climax Timothy	2.5 lbs/ac

Fall Cover Crop

Winter Wheat	100 lbs/ac
Timothy	1 lbs/ac

Residential Mix

All Purpose Lawn Seed Mix (as available)

- Seeding Techniques

Hydroseeder – broadcast with water only

Hydroseeder – mix seed with mulch

Hydroseeder – broadcast then cover with mulch

LandPride Broadcast Seeder

Truax FLX II Seed Drill

- Erosion and Sediment Control

Hydromulch on ditch cleanouts and other projects as needed

- Vegetation Establishment and Maintenance

These include but are not limited to:

- First and second year mowing of annual weeds on new seeding
- Prescribed burning
- Selective spot spraying

- Planting Evaluation and Documentation

Maps and records including location, size, date seeded, seed mix used, and other notes are recorded for all native seeding projects. Sites are evaluated yearly

- Mowing

Shoulder mowing occurs 1-2 times per year on paved roads. Brush mowing occurs as time allows. Shoulder mowing and spot brush mowing are conducted by maintenance employees in each districts. (Section 314.17 Iowa Code)

- Chemical Control for Noxious Weeds, Invasive Species (Spot Spray)

Noxious weeds: Chemical control of State Listed Noxious Weeds is performed on a case by case basis. Chemical control of Noxious Weeds is confined to those species that need to be controlled with herbicide on the basis of their current potential economic threat

or hardship to agriculture, as well as their potential threat to the establishment of a sustainable vegetative community in roadsides

Invasive Species: Chemical control of invasive species is considered on a case by case basis.

- **Tree and Brush Control**

Tree and brush control (non-herbicidal) is conducted on all portions of the right-of way as time and resource availability allow. All woody vegetation growing within the right-of-way is subject to removal at the time of tree and brush removal operations unless otherwise directed by the Engineer. All stumps are to be cut flush to the ground and treated with herbicide labeled for that application, or as needed.

- **Prescribed Burning**

Portions of right-of-way containing populations of native plants are to be burned as needed to achieve IRVM management goals and objectives, as determined by the Roadside Manager.

- **Burning Plan and Records of Previous Burning**

Burn plans are created as needed by the Roadside Manager. Burn Notifications are sent to adjacent landowners prior to conducting prescribed burns.

Materials Procurement

a. Sourcing

Seed, herbicide, mulch, and any other materials necessary to perform IRVM functions are purchased as needed at fair market value through reliable vendors. Prices for seed, herbicide, and mulch are reviewed annually by the roadside manager, vendors are contacted, and pricing made available. Materials are then purchased at the lowest price.

b. Material Handling and Storage

- Seed – Seed is stored in the seed room located in the IRVM shed

- Herbicide – Herbicide is stored in an approved chemical storage cabinet inside the Conservation maintenance building
- Mulch – stored inside the IRVM building

Appendices

a. Position Description and Qualifications

DEFINITION

The Roadside Manager is a joint employee of the Iowa County Secondary Roads Department and the Iowa County Conservation Board, whose responsibilities are to address the provisions of Section 314.22 of the Code of Iowa, the Integrated Roadside Vegetation Management (IRVM) Law, and Section 317, the Noxious Weed Law. The Manager shall administer, develop, plan, and conduct a program of vegetative habitat management that seeks to control unwanted vegetation and promote desirable vegetation on Iowa County rights-of-way and public areas.

DUTIES

The Roadside Vegetation Manager shall serve as Iowa 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. The following are a list of duties that are required but not limited to:

- Identify and Control Noxious Weeds.
- Maintain a valid pesticide applicator’s license in category 6 (Right-of-way) and Category 1A (Agriculture)
- Develop and Implement a “Iowa Roadside Management Plan” for Iowa County
- Seed, Trim and mulch Trees, Hydroseed, etc.
- Daily Record Keeping
- Fill out “Iowa Weed Commissioner’s Annual Report”
- Report to Board of Supervisors.
- Maintain MSDS and lock-out-tag-out standards for all chemicals.
- Order and purchase seed, chemicals, bales, chainsaws, mulch, etc.
- Use hand tools, chainsaws, bale shredder, mulcher, seeder, and other power equipment.
- Keep site, tools, & equipment clean and orderly.
- Perform routine maintenance on vehicles.
- Assist with snow removal when needed.
- May be required to work after hours during snow and emergency events.

ENTRY REQUIREMENTS

- Abilities to understand and carry out oral and written instructions;
- Operate Heavy Equipment, including Hydroseeder
- Routinely lift 75 lbs.,
- Ability to interpret regulations;
- Ability to perform moderate manual labor for extended period under adverse weather conditions;
- Ability to maintain accurate records;
- Ability to work with computers (ie, Internet, Excel, Word, Iowa Co. GIS).
- Must be Legal U.S. Citizen, have valid Driver's License, valid CDL Class B, and clean driving record.
- Iowa County is an Equal Opportunity Employer

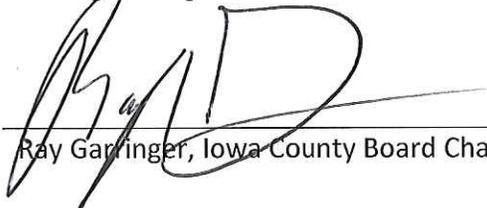
IRVM
STATEMENT OF SUPPORT

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

We realize that I.R.V.M. will be beneficial to our roadside management goals, while being economically and environmentally beneficial.

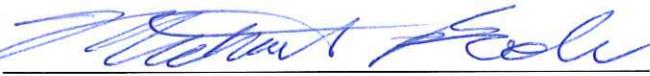
We understand that working in unison toward improving roadside vegetation is the most efficient way to accomplish the goal of improved, safe, and weed free roadsides. These roadsides will also add to the habitat and natural beauty of Iowa County.

We hereby agree to manage Iowa County roadsides according to the provisions described within this management plans.

X 

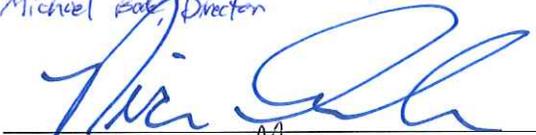
Ray Garringer, Iowa County Board Chair

X 5/13/16
Date:

X 

Diana DeMeyer, Iowa County Conservation Board
Michael Cole, Director

X 05/20/16
Date:

X 

Nick Amelon, Iowa County Engineer

X 5/13/16
Date:

X 

Jeff Slaymaker, Iowa County Roadside Manager

X 5-18-16
Date:

IOWA COUNTY IOWA

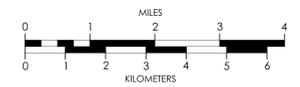


Prepared By
OFFICE OF SYSTEMS PLANNING
Phone: (515) 239-1664
WWW.IOWADOT.GOV/MAPS



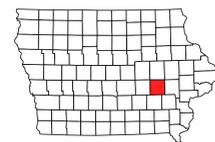
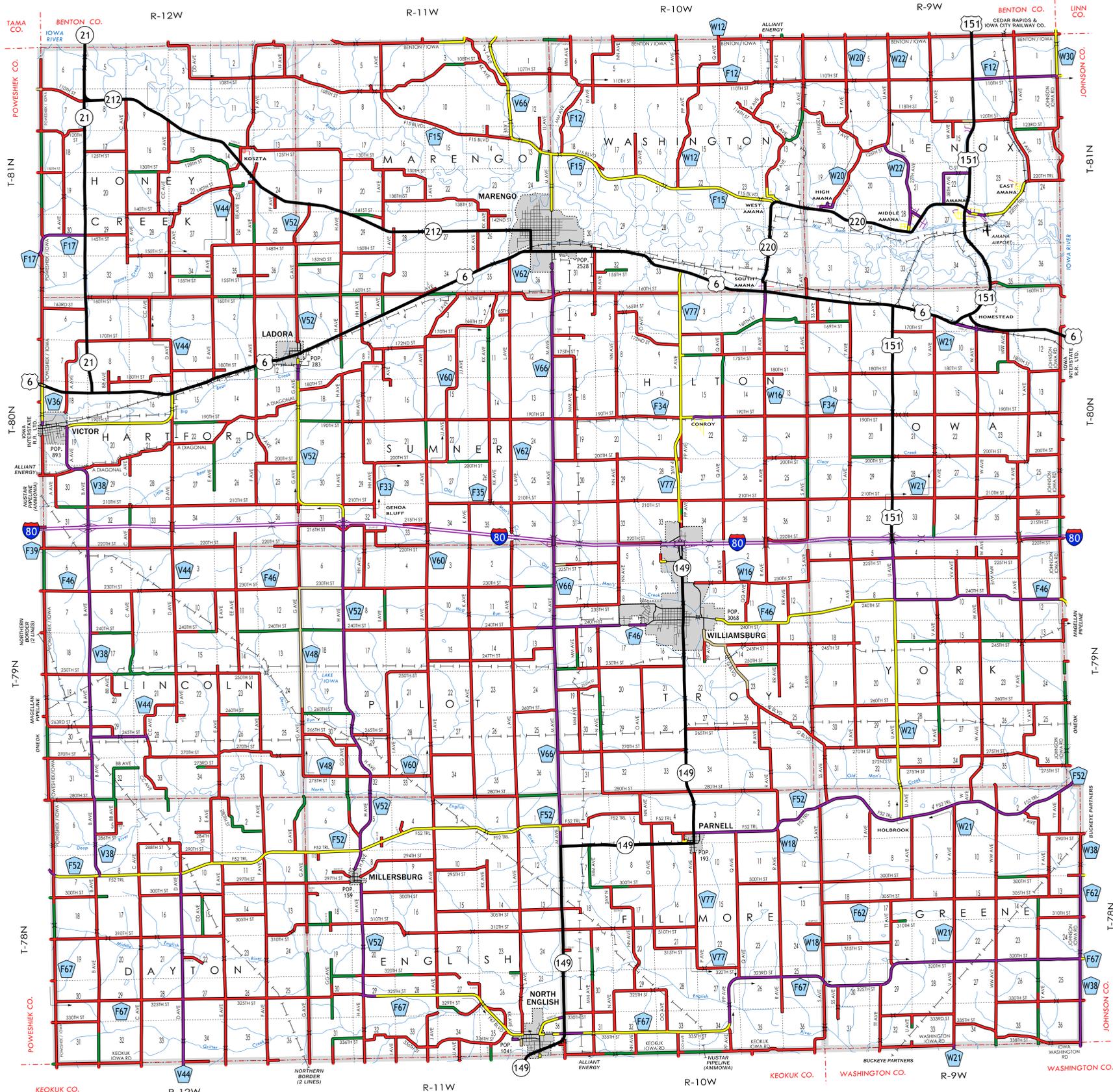
In Cooperation With
United States
Department of Transportation

JANUARY 1, 2015



LEGEND

- INTERSTATE HIGHWAY
- PRIMARY HIGHWAY-DIVIDED
- PRIMARY HIGHWAY
- PORTLAND CEMENT 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



\$25 Fee _____
Insurance ___/___/___

IOWA COUNTY SECONDARY ROAD DEPARTMENT ENTRANCE AND DRIVEWAY PERMIT

Date of Application _____

I, _____, being the owner or agent for the owner, of a parcel of property, request permission to construct an entrance from my property to provide access with the adjacent County Road. The entrance is located as follows:

Township Name _____ Township # _____, Range # _____, Section# _____, Road Name _____

Please mark the center of the requested entrance with a flag or similar object so we can locate it.

In signing and accepting this Entrance Permit I agree to install and maintain the entrance according to County specifications. In the event a future road problem develops because of inadequate entrance maintenance, the County reserves the right to perform necessary maintenance and charge the cost to the property owner and/or applicant.

Signature of Applicant: _____ Date _____

Owner (Print) : _____

Mailing Address for Approved Permit: _____

Phone: (_____) _____ Time to Call _____

The applicant must make an appointment with the Engineer's Office at (319) 642-3721 during normal business hours to review the site.

Not conforming or acquiring a permit is a violation of section 319.14 2003 Code of Iowa. Permit is valid for one year from issuance.

For Engineer's Office Use Only

Check Type: Single Lot ___ Minor Subdivision ___ Major Subdivision ___ Commercial ___ Speed Limit _____

Field Inspection Date: _____ Inspected by: _____ Sight Distance: _____ ; _____

Existing Driveway Distances: requested side _____ ; _____ opposite side _____ ; _____

Dry Fill: _____ Diameter: _____ Pipe Length: _____ Condition of Existing _____

Comments: _____

Cost of Culvert: \$/ft _____ X _____ ft = _____ Installation Date: ___/___/___ By _____

Bands: \$/unit _____ X _____ Bands = _____ Final Inspection Date: ___/___/___ By _____

Delivery (\$50 optional) = _____ Delivered Date ___/___/___ By _____

Permit Fee (\$25) = _____ Application Approval By: _____ /___/___

Other _____ = _____

Amount & Date Billed: \$ _____ ___/___/___

The below statements are taken from the Iowa County Access Policy for Subdivisions, Driveways, and Field Entrances adopted June 8th 2012. Complete Policy is available upon request.

REASON FOR PERMIT:

A majority of accidents occur at intersections. Each driveway or field entrance is, in essence an intersection. A lack of proper sight distance at an intersection or driveway does not allow time to either the motorist entering the roadway or the motorist already on the roadway to react to avoid a collision.

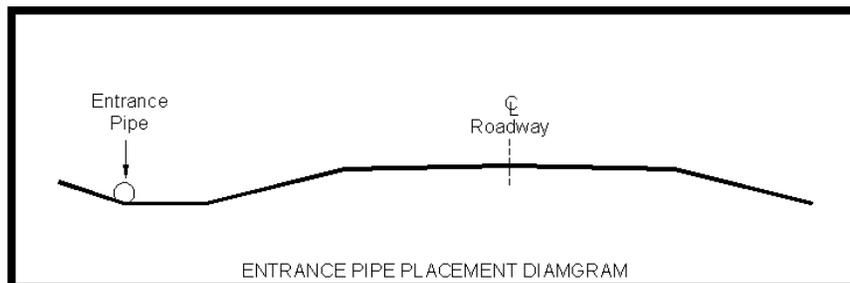
APPLICATION PROCESS:

Under the requirements of the Code of Iowa, Section 319.14, all persons desiring to do work within the right of way under the jurisdiction of Iowa County must obtain a permit before beginning any work. All landowners, or their agents, tenants or designees, who desire to change the location of an existing entrance or add additional field entrances or driveways, are required to obtain a permit from the County Engineer's Office prior to commencing construction. All additional entrances, including the drainage structure, grading and surfacing, shall be constructed at the applicant's expense in accordance with Iowa County specifications. Consent of all landowners for the driveway request shall be obtained by permittee, before a permit can be processed. Permits are available at a cost of \$25 per location to the applicant. Permits shall expire one year from issuance date.

GENERAL CONSTRUCTION REQUIREMENTS:

Driveways, field or business entrances and subdivision intersections will be constructed according to the requirements shown below.

1. After the Entrance Permit application is made, the Iowa County Secondary Road Department will investigate the location and make a report as to the size and length of the culvert required, if any, and any unfavorable safety aspects of the location. A copy of the report will be mailed to the applicant and/or property owner. Applicant and/or property owner is reminded to take all necessary safety measures needed to protect the traveling public during construction of entrance, driveway or subdivision street. Applicant and/or property owner also assumes all liability of any damage to county road caused by construction of said entrance. A certificate of insurance is required before releasing permit; all contractors are required to list: Iowa County as an additional insured as the County's interest may appear.
2. The applicant and/or property owner can then proceed to construct the entrance in accordance with the minimum requirements.
3. All culverts placed must be of new material and handled in a manner so as not to damage them during placement. Culverts must be placed so that the inside lap joint is downstream, that is, pointed in the direction that water will flow.
4. A uniform bed must be prepared before the culvert is put in place. Earth shall be placed around and over the culvert in approximately six inch (6") lifts and each lift shall be well compacted. If this is not done, most likely settlement will occur and cause hole to develop in the entrance, which will trap water after rains and cause soft and/or muddy areas. Culverts must be at the toe of the backslope (see diagram).



5. Iowa County recommends that the entrance grade be no more than an 8 percent slope and does not allow entrances over 14 percent slope. The County prefers that entrances do not slope towards the roadway. If a driveway must slope towards the roadway it shall be shaped with a crown (2% cross slope minimum) and shall not allow water from the property to drain onto the roadway. This may require small ditches on both sides of the entrance driveway for a short distance back onto the property.
6. Driveways are to be constructed with proper entrance side slopes. Driveways along paved road sections with posted speed limits greater than 35 mph are to be constructed with 8:1 entrance side slopes tapered to 6:1 slopes over the driveway culvert, 10:1 slopes on dry fills. Entrances located along a paved roadway, in an area where the posted speed limit is below 35 mph are to have 4:1 side slopes over culverts and 6:1 slopes on dry fills.

Driveways along rock road sections are to be placed with a minimum of at a 3:1 entrance side slopes. The flatter slopes along paved road section are mandated to enhance highway safety in areas of higher speed and volumes of traffic.
7. The minimum top width for a driveway of field entrance will be 20 feet. The top width for subdivision streets will meet the requirements of the subdivision ordinance based on the type of road section selected by the developer. The maximum allowable top width for an entrance will be 60 feet except on Low Speed Roadways where it shall be a maximum of 35 feet unless shared with adjacent properties. Driveway width shall be measured at the location of the culvert.

8. **The Engineer's Office must be given two workings days' notice of construction to allow staff the opportunity to inspect construction practices as well as complete final inspection in a timely manner. The applicant and/or property owner will be notified of acceptance or any modifications that need to be made. If further work is required, it shall be completed within 30 days of notification. The Engineer's Office shall be re-notified after all work is completed, for a final inspection. If the entrance or road intersection is to be paved, inspection of the driveway and acceptance must be given prior to paving or surfacing.**
9. Entrances need not be surfaced with crushed rock unless the applicant and/or property owner desires. It is however, recommended by the County that a surface such as crushed rock be applied to entrances to help prevent excess dirt from being drug onto the roadways. Applicant and/or property owner will be responsible for placement of surface material onto entrance from the edge of the shoulder. "UNDER NO CIRCUMSTANCES WILL ROCK BE REMOVED OFF COUNTY ROADS."
10. If the landowner desires to pave the driveway surface with either portland cement concrete (PCC) or asphalt cement concrete (ACC), the work can only be undertaken by permit from the Engineer's Office. The county assumes no responsibility for the paved surface. If the surface needs to be removed to allow maintenance or repair of the driveway or its drainage structure, the county will NOT replace the paved surface.
11. The applicant is responsible for locating all utilities in the road right of way prior to construction. **Iowa One Call: (800) 292-8989**

Note: For accesses requiring culverts, corrugated metal or reinforced concrete pipe may be utilized. Corrugated metal pipe must be 14 gauge minimum on all sizes up to and including 48". Culverts above 48" are to be 12 gauge. Concrete pipe will be adequate section for the amount of fill above them. Culverts are sized by drainage area, 15 inch is the minimum diameter with a minimum length of 30 feet.

SITE DISTANCE REQUIREMENTS:

All driveways, field or business entrances and subdivision street intersections must meet the following specifications for sight distance and construction standards. Minimum Sight Distance Requirements:

Road Speed Limit	Residential or building site	Commercial Property or Housing Subdivision
25 mph	150 feet	250 feet
30 mph	200 feet	305 feet
35 mph	250 feet	360 feet
40 mph	325 feet	425 feet
45 mph	400 feet	495 feet
50 mph	475 feet	570 feet
55 mph	550 feet	645 feet

Speed limit based on the posted speed limit established by the Iowa County Board of Supervisors or by the Code of Iowa, Section 321.285 where the speed limit is not posted. Driveways and roads will not be approved unless they meet the minimum sight distance requirements of this section. Driveways, road accesses and intersections must be approved by the County Engineer's Office prior to the issuance of a building permit.

MINIMUM DISTANCE BETWEEN DRIVEWAYS AND INTERSECTIONS:

The following minimum distances will be required between driveway and field entrances:

On paved roadways, driveways shall not be placed closer than 500 feet apart from centerline of driveway to centerline of driveway. On granular surfaced roadways, driveways shall not be placed closer than 300 feet apart from centerline of driveway to centerline of driveway. Deep ditches along paved roads may require additional separation. Final driveway separation distances will be determined during a review of the permit application by the County Engineer or the Engineer's designated representative.

In areas where the posted speed limit is below 35 mph and the driveway is located within a previously established urban area, entrances shall be one per lot per roadway, or require a spacing of half of the sight distance for that classification of driveway.

Centerlines of driveways shall be located within 10 feet of each other to be considered one intersection.

IOWA COUNTY SECONDARY ROAD DEPARTMENT
GENERAL RIGHT OF WAY WORK PERMIT

\$25 Fee _____
Insurance ____/____/____

Date of Application _____

I, _____, being the owner or agent for the owner, of a parcel of property, request permission to perform work in the county right of way adjacent to my property. The location of work to be done is located as follows:

Township Name _____ Township # _____, Range # _____, Section# _____, Road Name _____

Please mark the area of the requested work with a flag or similar object so we can locate it.

In signing and accepting this Right of Way Permit I agree to install and maintain the work according to County specifications. In the event a future road problem develops because of inadequate maintenance, the County reserves the right to perform necessary maintenance and charge the cost to the property owner and/or applicant.

Signature of Applicant: _____ Date _____

Owner (Print) : _____

Mailing Address for Approved Permit: _____

Phone: (_____) _____ Time to Call _____

The applicant must make an appointment with the Engineer's Office at (319) 642-3721 during normal business hours to review the site.

Not conforming or acquiring a permit is a violation of section 319.14 2003 Code of Iowa. Permit is valid for one year from issuance.

A certificate of insurance is required before releasing permit; all contractors are required to list Iowa County as an additional insured as the County's interest may appear.

Description of Work to be Performed. _____

For Engineer's Office Use Only

Comments _____

Iowa County LRTF Funding History through FY 2016

DOTProjectNumber	Applicant	Award	FiscalYear	Description	Type
90-48-LRTF-001	Iowa County	\$ 4,500.00	2000	Inventory - Iowa Valley RC&D	County
90-48-LRTF-002	Iowa County	\$ 15,000.00	2000	Equipment - Hydro seeder	County
90-48-LRTF-101	Iowa County	\$ 10,500.00	2001	Seed	County
90-48-LRTF-102	Iowa County	\$ 4,500.00	2001	Inventory	County
90-48-LRTF-201	Iowa County	\$ 12,000.00	2002	Equipment - Bale chopper	County
90-48-LRTF-401	Iowa County	\$ 7,500.00	2004	Equipment - Tree chipper	County
90-48-LRTF-901	Iowa County	\$ 8,000.00	2009	Equipment - Sprayer	County

Total LRTF Funding Awarded FY1990 - FY2016	\$ 62,000.00
---	---------------------

**Iowa County
Integrated Roadside Vegetation Management
Equipment Inventory 2016**

Year	Model	Condition	Quantity
2013	Ford F-350 Pickup	Good	1
	300 Gal Spot Sprayer	Good	1
2000	Case IH MX100 Tractor/w loader	Fair/6000 hrs	1
2012	Vermeer BC 1000 XL Chipper	Good	1
2004	Vermeer BC 1000 XL Chipper	Good	1
2003	Haybuster 2650 Bale Shredder/Mulcher	Fair	1
2000	Finn Hydro Seeder/T90TD11/800 gal tank	Poor	1
1997	John Deere 6400 Tractor	Poor	1
	Tiger Boom Mower	Poor	1
2012	John Deere Mower	Good	1
	Tiger Side Mount Mower	Good	1
2008	New Holland T6-50 Tractor	Fair	1
2008	Schulte Batwing Mower XH1000S3	Poor	1
	Stihl 250 and Stihl 170 Chain Saw	Good	12
	Weed Trimmers	Good	3
	Pole Saws	Good	2