

Shelby County IRVM Plan

2020 Update

Preface

The following is an updated plan for the Shelby County Roadside Management Department. The plan includes history, structure, and technical elements.

1) Table of Contents

- 1. Table of Contents**
- 2. Contributors to the plan**
- 3. Summery**
- 4. Goals**
- 5. History**
- 6. Maps**
- 7. Jurisdictional Recognition and Approval**
- 8. Program Structure**
- 9. Annual Operations**
- 10. Methods**
- 11. Material Procurement**
- 12. Appendices**

2) Contributors to the plan:

The Shelby County Roadside Manager, Shelby County Engineer and the Shelby County Roadside Management Advisory Committee.

Day to day decisions are made by the Roadside Manager and County Engineer, Superintendent and Secondary Roads Foremen. Budgeting, grant writing and equipment needs are decided between the Engineer and Roadside Manager.

3) Summery

Shelby County has 950 miles of roads consisting of paved, rock and earth surfaces. This equates into thousands of acres of roadside ditches and areas that need managed for trees and brush, noxious weeds, and invasive species. Contractors and county crews doing roadwork projects also destroy hundreds of acres of vegetation each year that needs reseeded. The Shelby County Roadside Management Office is in charge of all aspects of vegetation management including spraying roadsides for trees, noxious weeds and invasive plants, and reseeding all construction projects.

4) Goals

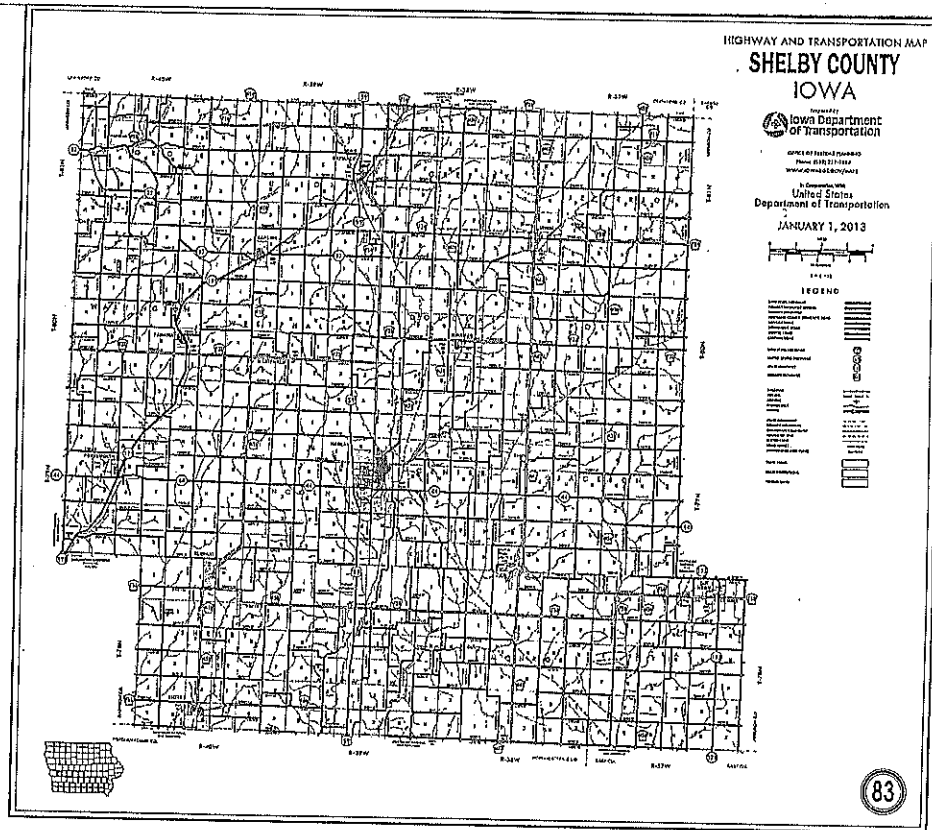
The goal for Shelby County IRVM is to control erosion and control the spread of trees, brush, noxious and invasive species while providing beauty to the roadsides and increasing habitat for wildlife along the way. Most of the time this is all achieved by planting and maintaining native vegetation.

5) History

Shelby County Roadside Management was established in 1995 after finding the county needed a more efficient way of controlling noxious weeds in the rights-of-way. There was also a savings projected in the revegetation projects the county had been previously contracting for.

Initially, the entire seeding, spraying program, and Weed Commissioner activities for the county was accomplished for the same dollar amount as the spraying alone the previous year. The Supervisors were sold! Since then more duties such as mowing, some snow removal and brush cutting have been added to the duties of the IRVM program.

6) Map of Shelby County



6) Jurisdictional Recognition and Approval

Management: The Shelby County Roadside Manager is in charge of the Shelby County IRVM program. The day to day duties of the Roadside Manager are set by the Roadside Manager with input from the County Engineer, Superintendent, and Road Foreman. The Board of Supervisors set budgets with inputs from the Engineer and Roadside Manager and oversee that all of the county's citizens are happy with the production from the various departments. Rules and Regulations that must be followed by the Roadside Manager:

- Iowa Code 314.22 Integrated Roadside Vegetation Management
- Pesticide Applicator License # PO 05579 000 for Shelby County Roadside Management
- Iowa Noxious Weed Law
- Iowa code 314.17 Mowing Law
- Local Laws: Shelby County has Ordinances relating to Roadsides that can be viewed at:
(URL's to these laws can be found in the Appendices)

7) Inventory and Analysis

An initial plant inventory of Shelby County Roadsides was taken in 1995. The records are stored in the Roadside Managers Office. These records have not been looked at since they were collected. They have however been put on a CD from a floppy disk. We also have a hard copy.

Shelby County Roadside uses paper records for spraying and seed records. We have started using the new computer entry for the TAP seed reports. We often use the counties Beacon GPS site for arial maps, pictures and landowner information.

8) Program Structure

Flow chart: Shelby County Board of Supervisors -> County Engineer-> Roadside Manager -> full time help when assigned and all seasonal help.

The Shelby County Roadside Department employs a full time Roadside Manager and a 3/4-time Roadside Technician. We also employ a 6-month Spray Technician or Summer Intern. Our staffing needs are adequate at this time with the current budget level. There are no future plans to hire additional help.

Shelby County IRVM started a Roadside Management Advisory Committee. The committee is comprised of a Supervisor, the Engineer, the Roadside Manager, and 2 county landowners with knowledge of plants and agronomy.

9) Annual Operations

The Shelby County Roadside Management Office preforms the following duties:

Seeding of road projects and other county projects as needed. Projects include ditch cleanings, culvert and bridge replacements, and road regrades.

Install silt fence and erosion blankets on new construction projects as needed.

Spraying of all county owned areas including roadsides, lawns, and some conservation areas. We spray for brush control, noxious weeds and invasive plant control.

Organize crews for brush cutting and brush mowing. Crew members include maintainer, truck, and excavator operators cutting mainly in the winter months.

Mowing of highway shoulders and other roadside areas for sight distance safety and weed / brush control.

Shelby County Roadside Management	2015	Land Pride DH2572 Disk	\$3,040.00
Shelby County Roadside Management	2017	Bobcat 60" Forestry Cutter	\$15,000.00
Shelby County Roadside Management	2017	Heavy Duty Truck	\$10,000.00
Shelby County Roadside Management	2018	Kincaid Pro Series 1200 Hydro Mulcher	\$24,000.00
Shelby County	2019	Land Pride FC15 Field Cultivator	\$863.20
Shelby County	2019	Wohlers Slip-in Fire Unit	\$4,000.00

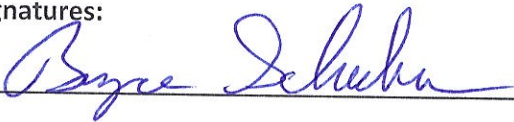
12) Appendices

- Iowa Code 314.22 Integrated Roadside Vegetation Management
<http://coolice.legis.iowa.gov/Cool-ICE/default.asp?category=billinfo&service=iowaCode&ga=83&input=314#314.22>
- Pesticide Applicator License # PO 05579 000 for Shelby County Roadside Management
- Iowa Noxious Weed Law

<http://coolice.legis.iowa.gov/Cool-ICE/default.asp?category=billinfo&service=iowaCode&ga=83&input=317>


- Iowa code 314.17 Mowing Law
- Local Laws: Shelby County has Ordinances relating to Roadsides that can be viewed at: <http://www.shco.org/CountyDocuments.aspx?EntryId=522>

Signatures:

 3/20/20


Roadside Manager

Date:

 3/17/2020

County Engineer

Date:

 3/17/20

County Supervisor

Date:

