Roadside Environmental

David B Harris, PE State Roadside Environmental Unit



Roadside Environmental Unit

- Erosion and Sedimentation Control Program
- 2021 Annual Delegation Review
- The Future

LEARNING HOW TO MAKE **BOURBON THE RIGHT WAY—** FROM THE INSIDE OUT AND EVERYTHING IN BETWEEN. NO JOB TOO SMALL, NO TASK TOO TEDIOUS.'

James C. "Jimmy" Russell



Erosion and Sedimentation Control Program

- 1991 Revised Delegation Agreement
 - Wayne Bailey, PE Chief Engineer
 - New Commitment
 - Increased Responsibility



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION P.O. BOX 25201 RALEIGH 27611-5201

DIVISION OF HIGHWAYS

THOMAS J. HARRELSON

March 22, 1991

WILLIAM G. MARLEY, JR., P.E.

MEMORANDUM TO: Mr. D. W. Bailey, PE Chief Engineer - Operations

William G. Marley, Jr., PE Wom State Highway Administrator

SUBJECT: Sediment and Erosion Control Program

Attached is a signed copy of the NCDOT Division of Highways Sediment and Erosion Control Program document that has been approved by the Sedimentation Control Commission. By this approval, the Commission has delegated to NCDOT the authority to administer a sediment and erosion control program within the investigation of our department. jurisdiction of our department.

This new Program has been worked out successfully over many months of consultation and coordination with the Commission and DENRR staff. Mr. Charles Gardner, Director of the Division of Land Resources, has expressed appreciation to all NCDOT personnel involved in this effort. He has singled out Berry Jenkins and Bill Johnson for their special help and hard work. Because of my own involvement in development of this Program, I know firsthand this special recognition is well deserved. I join Mr. Gardner in expressing my appreciation to these two men for a Mr. Gardner in expressing my appreciation to these two men for a

Delegation of authority to self - regulate is a privilege that must be well attended. Please make certain that our new Program is implemented and administered effectively, such that our department is in compliance with Law and regulations issued by the Commission.

cc: Secretary Thomas J. Harrelson Deputy Secretary Jake F. Alexander Mr. J. T. Peacock, Jr., PE Mr. Jack Murdock
Mr. B. G. Jenkins, Jr., PE
Mr. W. D. Johnson
Mr. Charles H. Gardner, PE

The Basic Objectives

- 1) Identification of Critical Areas
- 2) Limited Time of Exposure
- 3) Limit Exposed Area
- 4) Control Surface Water
- 5) Control Sedimentation
- 6) Manage Storm Water Runoff

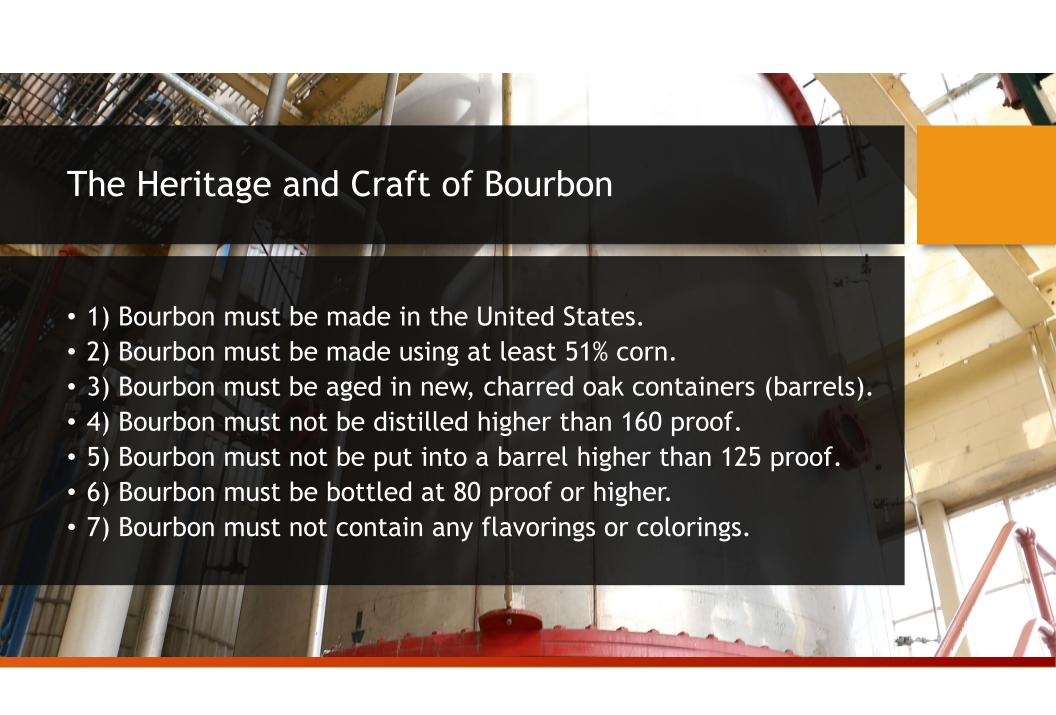
Erosion and Sedimentation Control Program

- 1991 Revised Delegation Agreement
 - Review and approve erosion control plans
 - Monitor and inspect land disturbing activities that are associated with the construction and maintenance of highway facilities.
 - Immediate Corrective Action (ICA) Procedures Developed

Erosion and Sedimentation Control Program

- NCDOT must maintain Operational Control
 - Secretary
 - Chief Engineer
 - Division Engineer
 - Construction Engineer
 - Resident Engineer
 - Project Staff

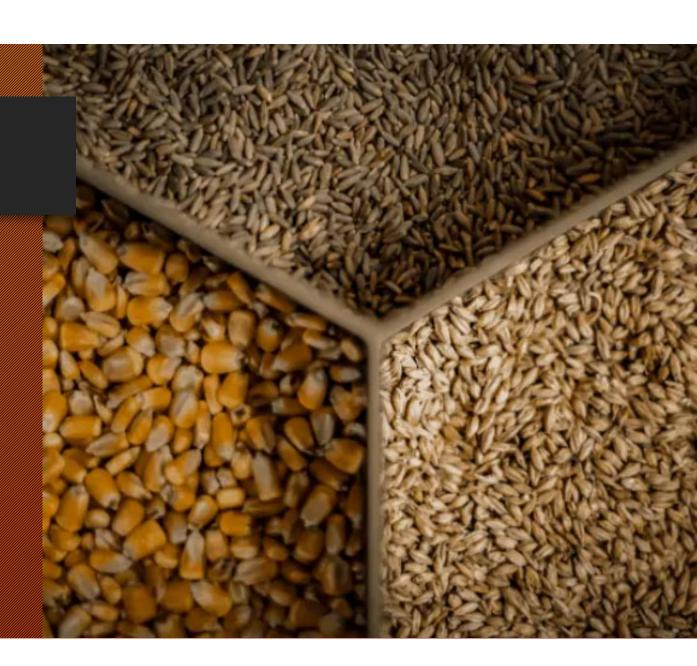




Bourbon

Mash Bill

- Corn
- Rye
- Barley



Bourbon

• Endless options of what can be accomplished.



2021 Annual Delegation Review

- Annual Review of the Departments delegated program for Erosion and Sediment Control
 - 15 Construction Projects randomly selected
 - 1 Maintenance Project randomly selected



Issues Identified

Issues Identified

• Minor Sediment Loss



Issues Discovered

 Sediment tracking onto road



Conclusions

Positive Findings:

- DOT Internal Inspection Process
- Communications and Project Progression
- Educational Efforts
- Innovative Approach

Conclusions

- Recommendations
 - Document Updates
 - DEMLR Notifications
 - Plan Revision Reviews
 - Construction Staking for Project Limits and Environmentally Sensitive Areas
 - Matting Specifications
 - Concrete Washout

Conclusions

• The Delegated Program was renewed for another year

The Future

- Who will carry on for the next generation?
- Have you passed on your knowledge and experience to others?
- The success of the program depends on everyone working together to be successful.



The Future

- What can we improve on?
- Expand research opportunities
- Utilize new technologies



The Future

- What can we improve on?
- Expand research opportunities
- Utilize new technologies

