



Kossuth County Engineer's Office

Construction Season 2009

Presented To: CE 105

Presented By: Adam Miller, E.I.

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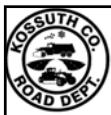
The Code of Iowa requires all counties to employ a licensed civil engineer known as the County Engineer. All construction and maintenance work on the county secondary roads is performed under the supervision of the County Engineer who is deemed responsible for the efficient, economical and good-faith performance of said work. It is the duty of the Board of Supervisors to establish policies and provide adequate funding in order to properly maintain the secondary road system. Additional guidance comes from the policies and safety standards developed by the Iowa Department of Transportation and the Federal Highway Administration. The Kossuth County Engineer's Office is responsible for the planning, the design and the supervision of all construction and maintenance work performed on the secondary road system. Kossuth County's road system includes a total of 1654 miles of roads. Of that total there are 500 miles that are paved. There are also approximately 300 bridges over 20 feet in length and about 150 large culverts in the secondary system.

The secondary road department, under the supervision of the County Engineer, is responsible for the general maintenance of all of the county roads, bridges and culverts. This includes installing of traffic signs, maintaining the road surfaces, vegetation control in the road right of way, winter snow and ice control and mechanics for the maintenance and repair of the trucks and equipment.





Two Bridge Projects and a Grading Project - All Within 500 Feet!



Bridge Inspection: Pile Driving







Calibrating The Testing Equipment



Bridge Deck Pour





Bridge Deck Pour



Bridge Deck Pour





Bridge Deck Pour



Bridge Inspection: Lab work





Keeping Up With Paperwork

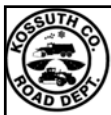


The Finished Product





Progress as of Yesterday



2009 Kossuth County Projects

- 5 Continuous Concrete Slab Bridges
- Lowering of 2 Culverts
- Grading (1.5 Miles)
- Slurry Leveling (61 Miles)
- Seal Coat (18 Miles)
- Center and Edgeline Painting (1/3 of County)
- Asphalt Overlay (27 Miles)
- New Asphalt Pavement (0.5 Miles)



Seal Coat Inspection



Seal Coat: Filling The Distributor





Seal Coat: Dumping Rock Into Spreader



Seal Coat: Spreading Rock Over Tar





Seal Coat: The Aggregate (Rock)



Seal Coat: Compacting





Seal Coat: The Finished Product



Asphalt Paving Inspection





Asphalt: Creating The Windrow



Asphalt: Picking Up The Windrow





Asphalt: Paving



Asphalt: Paving The Intersections

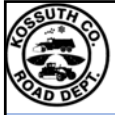


Asphalt: Compacting



Asphalt: Finishing





Questions???



Adam's Tips

1. Excel is a wonderful tool, Learn it well.
2. Nothing compares with Experience.
3. You don't always have to know the answer; you just have to know where to look it up!