Kingsbury County Road Inventory

- 352 miles total
- 158 miles with gravel surface
- 194 miles with asphalt surface
  - Mostly paved, some still blotter surfaced
- Cannot afford to maintain all of the asphalt
The planning process is challenging.

- Have convinced all five commissioners to go out to a road section in one situation.
- Budget falls far short of level needed to preserve 194 miles with asphalt surface.
- Turning some sections back to gravel, dig out weak sections, use geotextile fabric
- Observe for one to two years, if base is stable, plan to reblotter.
- If not, roads will remain gravel surfaced.
Maintenance decisions are particularly difficult right now due to impact of flooding.
Decisions are not easy: Which roads to preserve, and which to revert to gravel.

Example: Pavement in reasonably good condition, over 200 ADT, critical access route for local traffic – preserve it as long as possible.
Some deterioration, but can be preserved.
Another road: Still in fair condition, will preserve as long as possible.
Paver patching and seal coat maintenance as budget allows
Another Road: Close inspection shows this road is not as good as it looks
Distress is so severe and extensive, there is no way to maintain this surface
Some roads simply cannot be maintained as asphalt surfaces
Reversion process:

- Hire recycling contractor to mill up existing surface and four ± inches of base.
- Pick up and windrow all material.
- Relay in thin lifts.
- Close control of moisture and compaction.
- Add three inches (compacted depth) of virgin gravel as new surface.
The use of a vibratory pad-drum roller is important to us because it gives greater density and stability, especially in areas with thick reclaimed asphalt.
Example of before/after condition on 2011 Project
Cost data on 2011 project:

- $11,500 per mile which includes:
  - Recycling
  - Motorgrader
  - Water truck
  - Compaction
  - Labor

Surface gravel just now being applied and cost not yet available.

It’s not free, but much cheaper than asphalt rehabilitation.
Five years performance on one road turned back to gravel – ADT is only 55
Example of 10 years performance on another road:
Some objection to dust, but appreciation for smooth driving surface
Overall reaction from public and elected officials:

- Initial negative reaction from citizens.
- Actually get some compliments later!
- Public accepts this over time and understand the funding shortfall.
- County Commission has become very supportive after seeing success.
- Commission has approved $150,000 extra funding for this work next year.
Thanks for your attention