



Ken Robbins  
Highway Administrator

702 K St.  
Belleville, KS 66935

Phone: (785) 527-2235

Fax: (785) 527-5335

## Weekly Report to Commissioners

### Community Concerns

#### **Culvert Installation/Replacement Requests:**

- Diamond Road near Farm Residence 175, requesting extension or redirection of a large diameter culvert.
  - Investigating
- Shady Road between 130 and 140 roads, farm access culvert requested.
  - Investigating

#### **Other Drainage Issues:**

- 40 Road ½ mile north of Fir, resident has drainage concerns and would like a site visit.
  - Need to confirm appointment.

#### **Road Surface Concerns:**

- A resident has expressed concerns that 80 Road south of highway 36 near Scandia has never been fully restored after being damaged by a flood several years ago.
  - Site Visit with Road Supervisor scheduled.

#### **Signs or Obstruction Concerns:**

- 150 Road South of Nickel Road; resident has requested removal of the overhead obstruction of trees that interfere with harvesting and spraying equipment.
  - Investigating
- 260 Road North of Diamond Road; resident has requested removal of the overhead obstruction of trees that interfere with harvesting and spraying equipment.
  - Investigating

# Department Reports on Non-Routine Activities

## Roads and Bridges

- Pre-employment processes completed for a Driver and an Operator. Clinton DelBosque of Agenda has joined our Team as a Driver and after 1 day of orientation and training he began hauling gravel. We are looking forward to completing the onboarding process for an Operator next week.
- A resident called to inform the County he needed to replace an irrigation pipe under 110 Road between Birch and Cedar Roads. A site visit was conducted, and an Agreement has been updated for approval.
- Pothole repair began Tuesday on Fir Road beginning at Highway 81 (180 Road) and advancing West toward Republic. Nearly 4 miles of Fir Road were improved last week, and a more detailed narrative of the process follows:

Potholes are cleaned and an asphalt emulsion is applied to the pothole and the surrounding area. The emulsion contains an emulsifier which softens the existing asphalt and acts as a primer that will help the cold mix adhere to the road surface. The emulsion is brown and when it turns dark, it is ready to receive the cold mix. This waiting period can take up to 30 minutes on a cool morning or as little as 10 minutes on a hot afternoon. So, if you see several guys not being as productive as you think they should be, they might be waiting for the emulsifier to do its job first.



The driver is directed where to place the cold mix and in what quantity that area requires for the best patch. This is often more than what the pothole itself needs so that the overall patch becomes a durable surface which bridges the pothole and the adjacent road surface that has likely been compromised.

A grader operator and a roller blend the cold patch with the surrounding surfaces to the greatest extent possible.

Cold patching does not provide as durable a surface as an overlay of new hot mix asphalt, but it does extend the life of an asphalt road 4-8 years until a grind and overlay project can be funded to give the road a new useful life of 15-25 years. To maximize the effectiveness of these repairs, this road will be chip sealed before winter. This involves applying asphalt emulsion to the entire road surface and sanding it for a more fully blended and sealed road surface.



- PENDING ACTIONS IN RESPONSE TO COMMUNITY CONCERNS (in order of priority)

1. Marsh Trail and 20 Road South, ditch cleaning. **Started and continuing as weather permits.** (*Collector Road; Needed after fire response filled shallow ditches with debris.*)
2. Granite Road, between 70 & 80 Roads Ditch Cleaning. **Greater watershed impacts than anticipated, meeting with Landowners and locating utilities.**
3. 150 Road, North of Marble Road needs to be built up over the first culvert. (*Collector Road; water flows over the road*).
4. Queen Road, ¼ mile West of 210 Road, farm access culvert installation needed.
5. 100 Road, south of the intersection with Highway 36 will be widened about 10 feet for 200 ft to improve tractor trailer access to a new business. Ditch Cleaning on Oak west of 100 Road will also be performed and gravel added to both 100 and Oak Roads.
6. Republic County Historical Museum drainage swale and small diameter culvert will be installed between parking lot and driveway to outdoor exhibits.
7. Republic County Historical Museum 6.5 x 9 ft x 6” slab of concrete (5,000 lbs.) will be relocated from a fuel station on the property to the site of a historic jail cage, leveled and cage lowered on top of it.
8. 220 Road, between Marble and Nickle Roads, pavement cut needed to excavate and replace culvert, then patch and repair pavement. (*Culvert beneath blacktop collapsing*).
9. Jade Road, requesting north side field access culvert between 140 & 150 Roads, 100 yards west of waterway. (*Preferred location has been flagged and installation will be performed before harvest*)
10. 120 Road, South of Fir, requesting 2 farm access culverts, ¼ mile & ½ mile south of Fir. (*one culvert is a replacement for one removed during a nearby project over a year ago. The other is an expansion or replacement of an old 20ft culvert at a 30 ft gate. Both locations are flagged.*)
11. Cut and patch 4-6 ft of Concrete at 170 Road near residence 1549 (*Primary Road; Currently 23x23 & 10x23 inch potholes where previous asphalt patch has failed however potholes are shallow and should be scheduled with other pothole repairs*).
12. Fir Road, east of Residence at 2641, Ditch work needed to re-route drainage out of field and a damaged culvert replaced.
13. King Road, East of bridge K-7.2, Ditch Cleaning needed, (*Service Road*).

## Transportation

- Equipment Inspection Scheduled for 6/29/21

## Weed Control.

- Two property owners received Official Notices for Control and Eradication of Noxious Weeds last week.

## Upcoming Events

- **The Bid opening for the Courtland to Highway 148 Overlay Project will occur on July 2. Presentation of the Bids to the Commissioners for consideration will occur on July 6. The Engineering Company of Kirkham Michael will be presenting.**
  - The Engineer's estimate is \$679,000. This will be a 50/50 Cost Share Project with KDOT
  - The City has met and resolved that they would like to have the full width of the roadway milled and overlaid in the residential area south of the railroad tracks. We have estimated the additional paving will cost approximately \$24,000. Instead of delaying the project with a scope increase or requesting an alternate from prospective bidders, we will use the unit pricing in the bid schedule to negotiate a change order before construction begins. The City of Courtland will be responsible for these additional costs.
- Bidding and Construction of Off System Bridge K-7.2
  - State Department of Transportation Cost Sharing Agreement 144-21 is ready for Commissioner Approval.
- An invitation has been received from the Kansas Department of Transportation calling for Off-System Bridge Program Projects which will be considered for 2023 funding.
  - Proposals must be submitted by July 30, 2021.
  - 80% Federal Funding is expected if a project is awarded.
  - The Roads & Bridges Department will identify several projects that should be considered and make a recommendation.