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## Weekly Report to Commissioners

### Community Concerns

#### Culvert Installation/Replacement Requests:

- King Road between 170 and 180 Roads; a culvert is exposed.
  - **Completed, Road lifted in this area to cover culvert**
- King Road, ¼ mile east of 130 Road, Culvert under the road needs replaced.
  - *Investigating*
- Jade Road, 3/8 mile west of 130 on the South side. Recondition 20 ft driveway to 30 ft. **Completed**
- The widening of a driveway has been requested at 111 50 Road south of Kackley.
  - A site visit was performed, and a culvert replacement is needed. The existing culvert is concrete pipe that is filled with earth. *This will be moved to the "Pending actions in response to concerns list"*
- A field access driveway on 30 Road ½ mile north of Young Road has eroded severely and exposed both ends of a large diameter culvert and needs repair before harvest. **Completed**
- 160 Road, 4/10 mile south of Jade Road; road is collapsing into a culvert that is rusted out.
  - Road has been closed and "one call" utility locate has been ordered. Culvert will be replaced as soon as possible. **Completed**
- 60 Road, immediately south of Fir. This is a field access road that dead-ends 4/10 mile into the section. A concrete low water bridge is no longer providing adequate access to agricultural areas and alternative access is not available for some distance. Approaches are too steep for the longer wheelbases of modern trucks and trailers and wetlands are retaining more water flooding the crossing most of the year.
  - **The highway Administrator recommends installing a half railcar culvert.** This will be set directly onto the concrete bottom of the low-water bridge and covered using the concrete from ramps as rip-rap.
- Nickel Road at 30 Road on the west side of the intersection; a concrete box culvert is collapsing below the road surface and a hole has opened. **Temporarily patched and filled. This will be replaced before spring with a low profile "squash pipe"**
- 150 Road, ½ mile south of Fir Road, a plugged culvert was removed during the removal of some trees this summer and needs to be replaced with a new 24"x30ft culvert. **Completed**
- 300 Road between Xavier and Willow, a 48" culvert needs replaced
  - *Investigating*

## Other Drainage Issues:

- A dry plug (driveway through a right-of-way without a culvert) to residence 1235 Cedar is causing some drainage issues and needs more earth fill to alleviate ponding issues. **Completed**
- 30 Road, 6/10 of a Mile South of Fir Road. A Concrete Box Culvert has been undermined by erosion on the East side of the road. This is not an unsafe situation at this time and as soon as seasonal conditions dry up, the hole will be backfilled with earth and rip rap.
- Hickory Road, 2-3/10 of a mile east of 150 Road needs ditch cleaning, primarily on the east side of a watershed that intersects the road.

## Other Concerns:

- A resident has expressed concerns about trees in the right-of-way obstructing views from the intersection of King and 300 Roads
  - *This has been confirmed and tree removal will occur as soon as practical.*
- A resident reported that a large Cottonwood fell across 290 Road several hundred yards north of highway 36 on September 26/27. **Completed; the excavator with the mulching head ground up everything over 12 inches in diameter and the logs were piled in the right-of-way above the ditch.**

# Department Reports on Non-Routine Activities

## Roads and Bridges

- The County assisted Belleville in the sealing of Main Street between downtown and the northern edge of the community as well as a number of other streets.
- Bobby Lawson's last day with the County will be October 8, 2021.
- The Republic County Highway Department welcomes Matthew Murdock as an Equipment Operator.
- CAT will conduct Grader Operator Training for two new employees on the 5<sup>th</sup> of October.
- The Highway Administrator will begin a compensation study for positions within the Department in October that should be complete by the end of November.
- PENDING ACTIONS IN RESPONSE TO COMMUNITY CONCERNS (in order of priority)
  1. 150 Road, 30 feet South of Ash, a Road culvert replacement is needed.
  2. 150 Road North of Timber at the entrance of residence 723; a collection basin and a culvert are needed between two driveways to correct a drainage problem that has been scouring the driveway and the edge of the road for many years. **Completed**
  3. 1220 Zeal Road, Culvert installation needed for field access. **Completed**
  4. 180 Road immediately north of Bridge 180-S.0 on the west side. Ditches have filled allowing storm drainage to run into a field, eroding the edge of the field and undermining a fence.
    - a. Ditch cleaning is necessary to correct this problem.



5. Rock Road, ¼ mile west of 290 Road. A wood box culvert needs to be replaced (needs to be scheduled after October, when Cattle are moved to another pasture)
6. Corner post for fence damaged by grader needs replaced.
7. 240 Road, 1 ¼ mile south of Jade Road. A dilapidated 20 ft field access culvert needs to be replaced with a new 30 Ft culvert.
8. A clay culvert under Fir Road between 230 & 240 Roads is broken and part of the road surface has fallen into it. It has been filled with sand but needs to be replaced. This runs parallel to an old railroad crossing northeast of Munden.
9. Granite Road, between 70 & 80 Roads; Ditch Cleaning. Scoping encountered greater watershed impacts than anticipated, *Landowners prefer to wait until after harvest.*
10. A resident has expressed concern about ditch cleaning being needed and a plugged culvert needing replaced at a field access driveway on King Road west of residence 1548. This is causing storm water to erode the road surface.
  - a. It appears that significant tree and brush removal may be necessary to perform this work properly, this will have to be performed after harvest.
11. 110 Road and Birch needs ditch cleaning on the North side of 110 near the intersection, and possibly several culverts replaced with larger culverts.
12. Elm Road ¼ mile east of 180 Road, *mulching of overgrowth on the south side of the road is needed; ditch cleaning will be performed and the culvert under the road will be inspected more closely.*
13. 150 Road, North of Marble Road needs to be built up over the first culvert. *(Collector Road; water flows over the road).*
14. Bridge 4-F.4 on 40 Road south of Fir Road has had 4 guardrail supports broken from weld plates in the prestressed concrete tee girders. **Completed**
15. 130 Road 1/10-mile North of Elm Road. Erosion has undermined a bridge abutment and some repairs are necessary before it can be backfilled.
16. Clearing of the right-of-way on Penn between 200 and 210 roads revealed an ancient concrete box culvert that is too narrow for the roadway. The road seemed to go around large trees; now it's clear that the large trees filled a potential hazard. Marking at this hazard will be improved until the culvert can be replaced.
17. Diamond Road near Farm Residence 175, restore collection pit at the outfall of a culvert under the road. This will allow storm drainage to follow a channel adjacent to the County Right-of-way instead of through irrigated farmland. *This project has been scoped for completion after harvest this year. We will collaborate with the farmer to determine the best location for borrow and spoils and let him recover topsoil if he has the resources.*
18. 40 Road ½ mile south of Fir, a watershed is growing out of our right-of-way.
  - a. *A retention pond will be constructed within the right of way on the east side of 40 Road north of the box culvert with an overflow descending to riprap in the creek bottom about 18 feet below. This large project will be performed next year.*
19. Rock Road between 10 & 20 Roads, a right-of way that has been farmed in the past is filled with soil and allowing irrigation water to flood the road surface. Storm drainage also crosses the road at this location. *Ditch cleaning will be performed, a culvert will be replaced, in addition to a road lift. This project will need to wait until after irrigation season is over.*
20. 220 Road, between Marble and Nickle Roads, pavement cut needed to excavate and replace culvert, then patch and repair pavement. *(Culvert beneath blacktop collapsing).*
21. 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).*
22. Fir Road, east of Residence at 2641, Ditch work needed to re-route drainage out of field and a damaged culvert replaced.
23. Diamond between 80 and 100 roads needs ditch cleaning and lift to the road.

- 24. King Road, East of bridge K-7.2, Ditch Cleaning needed, *(Service Road)*.
- 25. Marsh Trail and 20 Road South, ditch cleaning. **Some immediate concerns have been addressed; the larger part of this project will be completed this fall.** *(Collector Road; Needed after fire response filled shallow ditches with debris).*

## Upcoming Events

- Installation of the new Fuel Center Kiosk System is scheduled now for October 5. The Antennas for communicating between the Fuel Center and the office have been installed.
- The Courtland to Highway 148 Overlay Project is waiting for a schedule from the Contractor.
  - **The latest the Contractor can start this project is October 18 and the performance period is 10 days.**
  - A Change Order is being prepared for the additional milling and overlay work that the City of Courtland has requested.
  - The Highway Administrator has communicated with the Railways in the area and although we do not have a schedule for construction yet, we do have a commitment from the Railways to increase communication about train schedules during the period of construction that should aid in public notifications and flagging.
- The Construction of Off System Bridge K-7.2 is waiting for a schedule from the Contractor.
- Proposals are being solicited for the KANSAS LOCAL BRIDGE IMPROVEMENT PROGRAM 2022. This is a 90/10 (State/Local) funding participation Project up to \$150,000 or up to \$200,000, if our proposal includes removing a second bridge from our inventory permanently. Proposals are due October 8, 2021.
  - The Highway Department has directed the engineer to prepare a proposal for replacement of Bridge X-27.2