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Weekly Report to Commissioners

Community Concerns

Culvert Installation/Replacement Requests:

- Valley Road .1 mile east of 130 Road on the north side; a broken concrete tile culvert needs replaced with a new steel culvert. Other drainage concerns may need to be addressed.
- 20 Road .25 mile north of Nickel Road, east side; a field access culvert needs cleared or replaced. *Investigating*
- 20 Road .75 mile north of Diamond Road, west side; a 24" field access culvert needs cleared or replaced. Ditch cleaning is also needed. *Completed*

Other Concerns:

- Granite Road east of 10 Road ½ mile on the north and south sides of the Road; tree removal is needed before harvest.
- A half section east of 100 Road between Shady and Timber Roads is being improved and the Farmer has requested that we clear our right-of-way of brush and trees after they clear the fence.
- The owners of Premium Feeders and Nesika Energy are requesting improvements to 70 Road south of US 36 Highway for dust control.
 - a. *Engineering Firm BG Consultants is preparing options and rough order of magnitude estimates for improving dust control on this road. The Engineer is suggesting a geotechnical study that will specify paving thicknesses based on soil strengths. This will allow the engineer to provide a more accurate estimate. If the subgrade proves to be as hard as we think it is, it will also lead to cost savings in a paving design. The study will cost \$7,500.*
- 30 Road south of Bridge 3-D.7 and north of Elm Road, ditch cleaning is needed and a road lift.
 - a. *Investigating*

High Banks Wind Energy Project Concerns

- A draft of the Road Use Agreement has been updated with prior comments and suggestions incorporated. It is ready for further review and consideration for approval.

This review does not constitute any form of approval and we are looking forward to a formal submittal of larger scale documents and development details if the project is authorized to proceed.

Department Reports on Non-Routine Activities

Roads and Bridges

- A concrete box culvert on the Byron Road had scoured behind the wingwalls and foundations of the abutments. The watershed was filled with over 100 yards of riprap (broken concrete with 60% over 80lb each) to fill the bottom; much of it pushed back under the bottom of the concrete box. 13 yards of high slump concrete were poured into openings behind the wingwalls of the abutments to fill any voids; finish grading was completed after the concrete cured for several days.
- The Corps of Engineers has advertised “Proposed Adverse effects to an Eligible Historic Bridge” that we intend to replace near Talmo. We have also advertised for parties interested in adaptive re-use of the existing structure. The solicitation period is 30 days for both advertisements.
- Farm access roads received a lot of attention this week.



Solid Waste

- *In case you missed this in last week's report* - Solid Waste Staff and a consultant toured Clay County's Landfill and Recycling Program on Wednesday the 8th. They have a 150-acre site for their operations that include a 3-cell lined municipal solid waste area, scale, a steel building that contains offices, recycle center, weed control office and equipment bay, used oil and hazardous waste handling areas, metal, tire and construction debris yards, borrow pit for cover material and settlement pond for site drainage control and water quality testing. The last cell for municipal solid waste was opened in 2011 and the first layer of its 2-layer design capacity are nearly full. The cost to residents appears to be about \$43 per ton of municipal solid waste Clay County generates. Our cost is over \$70 per ton since we pay for the transfer of our waste out of the county. We will proceed with a study to consider if we could reduce the cost of processing our municipal solid waste for the residents of Republic County.
- PENDING ACTIONS IN RESPONSE TO COMMUNITY CONCERNS

Bridge and Culverts Division Project List (in order of priority)

1. 150 Road 3-5 tenths of a mile south of Elm Road. Road lift needed and possibly another culvert under the road near the half-mile mark. Trees need to be cleared on the east side of 150 Road. ***Trees have been cleared, drainage improvements and road lift will continue as conditions allow.***
2. Oak Road west of 20 Road beginning at the Railroad crossing; waterway on the north side is eroding the base of the road and then meanders out of the right-of-way eroding a field. ***Improvements need to be made before irrigation begins or it will have to wait until after harvest.***
3. Rock Road, ¼ mile west of 290 Road. A wood box culvert needs to be replaced. ***A review of this watershed suggests a 5ft x 40ft culvert can replace the wood box. This pipe has been ordered.***
 - a. Corner post for fence damaged by grader needs replaced when equipment is mobilized for this project.

4. **130 Road 1/10-mile north of Elm Road.** Erosion has undermined a box culvert abutment and some repairs are necessary before it can be backfilled. Adjacent property owner believes a double box is needed here or several large culverts. *We are proceeding first with watershed improvements downstream to help this area drain faster; a larger structure may not be needed in this location.*
5. 120 Road .3 mile south of Granite Road, replace wood box culvert with a 48" x 40ft culvert this summer.
6. Nickel Road at 30 Road on the west side of the intersection; a concrete box culvert is collapsing below the road surface. This will be replaced with a low profile "squash pipe."
7. Diamond Road, .34 mile east of 190 Road, a concrete box culvert needs to be replaced with a culvert. A 36" culvert has been ordered for this.
 - a. A road lift and possible culvert reconfiguration are also requested near the intersection of Diamond and 190 roads to keep storm drainage off the road.
8. Elm Road ¼ mile east of 130 Road, culvert had a hole in the top. *Culvert has been repaired and a 10.5ft half pipe with a floor and headwalls has been ordered from the Railroad Yard.*
9. Xavier Road, just west of residence 1090 has a culvert under the road that is filled with earth and needs replaced.
10. 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.*
11. 220 Road, between Marble and Nickel roads, pavement cut needed to excavate and replace culvert, then patch and repair pavement. *(Culvert beneath blacktop collapsing).*
12. Oak, .2 miles east of 30 Road on the north side; a 20 ft large diameter field access culvert is collapsing and needs to be replaced. **Completed**
13. 30 Road 5/10-mile North of US-36, a Concrete Box Culvert has lost 2 of 4 wingwalls at the abutments and requires frequent maintenance to keep the road surface from eroding into the watershed.
 - a. *This will be replaced with a culvert when 30 road is ripped, and the shoulders pulled this spring.*

Roads and Driveways Division Project List (in order of priority)

1. 20 Road south of US Hwy-36 to Queen Road (1 mile) is being upgraded to an all-weather road.
 - a. 20 Road, 4/10-mile North of Queen Road; a culvert under the road is exposed and has been damaged by a grader. **Culvert installation Completed, road lift complete and ready for gravel.**
 - b. Queen Road, west of 20 Road, tree removal, ditch cleaning and driveway upgrades needed for the first ½ mile. **40% Complete**
2. 30 Road improvements to restore the crown in the roadway between Highway 36 and Fir Road. *The project will start at US-HWY-36 and progress north and will take up to a year to complete.*
3. Fir Road, east of Residence at 2641, Ditch work needed to re-route drainage out of field and a damaged culvert replaced.
4. Elm Road ¼ mile east of 180 Road; *mulching of overgrowth on the south side of the road is completed; ditch cleaning will be performed, and rip rap will be installed to minimize scour at the inlet and outfall of the culvert under the road.*
5. Xavier Road, 1/8 mile east of 180 Road on the north side needs a 20ft deteriorated field access culvert replaced with a 40ft culvert. **Complete**
6. Shady Road ¼ mile east of 20 Road, north side, 30ft field access driveway needed south of pivot riser.

7. 30 Road ½ mile north of Shady Road, west side, 20ft field access driveway needs widened to 30 or 40ft however, a fiber cable marker might need to be moved.
8. 110 and Cedar, 1/8 Mile west, 24” crossroad culvert exposed and damaged, needs to be replaced with an 18” x 40’ Culvert
9. Nickel Road ½ mile east of 110 Road, needs a culvert repaired or replaced, water is flowing over the road and damaged portions of the road are closed with Barricades. *Operator has reported that some ditch cleaning may restore drainage without replacing the culvert, this will be attempted first.*
10. 290 Road, .26 mile south of Cedar Road; extend 18” x 20ft Field access driveway culvert to 40ft.
Completed
11. 300 Road, .3 mile north of Fir; improve field access dry plug to 40ft width. **Completed**
12. Granite Road .4 mile east of 90 Road on the north side; crushed 20ft culvert needs replaced with new 18” x 30ft culvert. **Completed**
13. Granite Road, 1.6 miles east of 90 Road on the south side; new 30ft field access driveway requested.
Completed
14. Hickory Road, 1/10 mile east of 90 Road on the north side; new 30ft field access driveway requested.
15. 180 Road, 1/8 mile north of Timber Road on the east side; Driveway improvements are requested.
Completed
16. A farmer is requesting field access improvements.
 - a. A quarter section southeast of Jade and 150 Roads has had field access challenges after ditch cleaning. A 40ft dry plug can be installed approximately .45 mile east of 150 Road on the south side of Jade Road; and another 40ft dry plug can be installed on the east side of 150 Road, approximately .3 miles south of Jade Road.
 - b. Two existing field access driveways need to be widened on the north side of Hickory Road, .5 mile, and .2 mile west of 150 Road.
17. Cut and patch 4-6ft of Concrete at 170 Road near residence 1549 (*Primary Road; Currently 23x23 & 10x23 inch potholes where previous asphalt patch has failed*).

Upcoming Events

- Vacations of Right-of-Ways are proposed for 3 road spurs adjacent to Highway 81 that were abandoned after improvements to the Highway many years ago.