

ANNUAL REPORT 2017

Dawes County Road Department

Dawes County Commissioners,

This report outlines the work performed on Dawes County's roads, bridges, and culverts in 2017. The report also lists proposed work in maintenance, repairing and/or constructing any roads, bridges, or culverts for the calendar year of 2018.

Respectfully submitted,



Lawrence E. Hankin

Dawes County Highway Superintendent

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Introduction

The purpose of this report is to provide information to the Dawes County Commissioners on the work completed and the future plans for the Dawes County Road Department. It reflects a few of the functions and duties of the office of the Highway Superintendent. The Highway Superintendent will clarify or provide any additional information that may be requested.

Bridges

There are 51 structures in Dawes County that meet the Federal Highway Administration (FHWA) size of 20 feet or more in length to be considered a bridge and must be inspected every 2 years. They consist of 31 steel and/or concrete bridges, 17 timber bridges, and 3 culverts (2 steel and 1 concrete).

Bridge Replacement or Repair Projects – Proposed for 2018

- C002304515P on Deadhorse Road replace Timber Bridge with twin 6' Culverts.
- C002315110 on Mann Road restore channel to original alignment place Rip-Rap.
- C002315115 on Mann Road restore channel to original alignment place Rip-Rap.
- C002312510 on Lemmon Road replace bridge with culvert and headwalls.
- C002316105P on Egan Road replace bridge with twin culverts and headwalls.
- C002316110P on Egan Road replace bridge with twin culverts and headwalls.
- C002305905 on Old Dunlap Road remove fallen tree from channel.
- C002332110 on Bergfield Road remove debris from channel again.
- Continue routine maintenance and repairs on bridges that were identified in the bridge inspection reports.

Roads

The maintenance of our roads consumes the greatest amount of time and money. The existence of Dawes County roads is why we perform routine maintenance and plow snow. It is why we have the equipment we do, why we gravel, and do roadside maintenance. The following will address the activities in Dawes County during the past year and our plans for 2018.

Gravel Hauled

District One:

- Airport – 1.3 miles – 2505 yd³
- Bordeaux – 3 miles – 6840 yd³
- Goffena – 1.5 miles – 4322 tons

District Two:

- Highland – 1 mile – 1785 yd³
- Hawthorne – 2 miles – 3960 yd³
- Hollibaugh – .3 miles – 630 yd³
- Table Center – 1.5 miles – 2475 yd³
- Deadhorse – 2 miles – 3465 yd³

District Three:

- Whitney Lake – 3 miles – 7020 yd³
- Lawrence – 2 mile – 3960 yd³
- Galey – .5 miles – 870 yd³
- Toadstool – 2.5 miles – 5010 yd³

Spot Gravel Hauled

District One:

- East Dakota – 30 yd³
- West Dakota – 30 yd³
- Ormesher – 45 yd³
- Stewart – 60 yd³
- East Table – 240 yd³
- Stockade – 30 yd³

District Two:

- Dry Creek – 60 yd³
- Squaw Mound – 30 yd³
- Hough – 75 yd³
- No Name – 30 yd³

District Three:

- Old Highway 20 – 405 yd³
- Bethel – 60 yd³
- Brown – 75 yd³
- Bergfield – 150 yd³
- Lone Tree – 210 yd³
- Ferguson – 45 yd³
- Squaw Creek – 120 yd³
- Saw Log – 45 yd³
- Cottonwood – 75 yd³
- Haynes – 15 yd³
- Norman – 30 yd³
- North Whitney Lake – 255 yd³
- West Ash – 195 yd³
- Broader – 15 yd³
- Horseshoe – 90 yd³
- Mill – 15 yd³
- Four Mile – 30 yd³

There were approximately 19.1 miles of roads graveled and 1.4 miles of spot gravel hauled for a total of 41,025 cubic yards of native rock. There was approximately 1.5 miles of Goffena Road graveled with Limestone (Red Rock) totaling 4,322 tons or 2,700 cubic yards. We also hauled a total of 1,185,000 gallons of water in the maintenance and repair of our roads in 2017.

Gravel Projects – Proposed work for 2018

District One Gravel Projects:

- North Long – 2.5 miles
- Prairie Home – 4.5 miles
- Bordeaux – 4 miles
- Slim Buttes – 2 miles
- Beaver Valley – 1 mile (west end)
- Wayside/Stewart – 2 miles
- Beaver Valley – 3 miles (east end)

District Two Gravel Projects:

- Squaw Mound – 9.5 miles
- Table Center – 2 miles
- Highland – 1 mile
- Hollibaugh – 1.5 miles
- West Ash – 2 miles
- Lembke – 1.3 miles

District Three Gravel Projects:

- Ferguson – 4.5 miles
- West Belmont – 2.5 miles
- Galey – 1 mile
- Faulk – 1.5 miles
- Lone Tree – 1.5 miles
- North Whitney Lake – 4 miles
- Squaw Creek – 3.5 miles
- Lone Tree – 17 miles, pull no gravel

Culvert – Repair or Replacement

District One Projects:

- Slim Buttes – Rip Rap (Alkaline Cr.)
- Ormesher – Install Flair-ends

District Two Projects:

- Buttermilk – 2 (replace)
- Squaw Mound – 1 (extend)

District Three Projects:

- Squaw Creek – 1 (replace) Stetson
- Snook – Install Flair-end

Equipment

The Dawes County Road Department is appreciative of the Commissioners willingness to update our fleet of equipment. The gains we make in this area have a direct effect on our ability to reach our goals. Having reliable equipment not only cuts repair cost but saves on our labor. This allows more time on the road and not in the shop making repairs.

The following equipment was purchased in 2017:

- Vermeer disc mower
- Caterpillar 12M3 Motor Grader

The following equipment will be or proposed to be purchased in 2018:

- Purchase of Roller/Packer for Motor Grader

The following equipment was traded in 2017:

- Vermeer disc mower

Road Signs

Sign maintenance is a very important part of road safety and provides proper guidance to the traveling public. The Highway Superintendent relies on direct observation, the Sign Technician, crews in the field, use of a retro-reflect-o-meter, and the public to determine what signs need to be cleaned, reset, or replaced. We continue to work on our sign inventory and advisory speed for our curves. Speed limit signs will be installed on heavily traveled roads as they intersect with the state highways as a reminder of the statutory speed limits on unpaved county roads.

Budget

Budget Status

The 2016-2017 Dawes County Road Department's adopted budget was \$1,710,640.00. Dawes County Road Department actually spent \$1,702,922.04 leaving a balance of \$7,717.96. There was an amount of \$400,000.00 transferred that was to be the necessary cash reserve leaving the beginning cash balance forwarded in the amount of \$407,717.96.

The 2017-2018 Dawes County Road Department's adopted budget is \$1,638,000.00. As of January 23, 2018 the expenditures are \$825,194.80 or 50% of the budget. The current budget remaining is \$812,805.20.

The Federal Funds Purchase Program anticipated funds to be deposited in March this year are \$71,497.00 for (STP) Road Buyback and \$33,036.00 for the (HBP) Bridge Buyback. The total estimated funds for the FFPP are \$326,480.00.

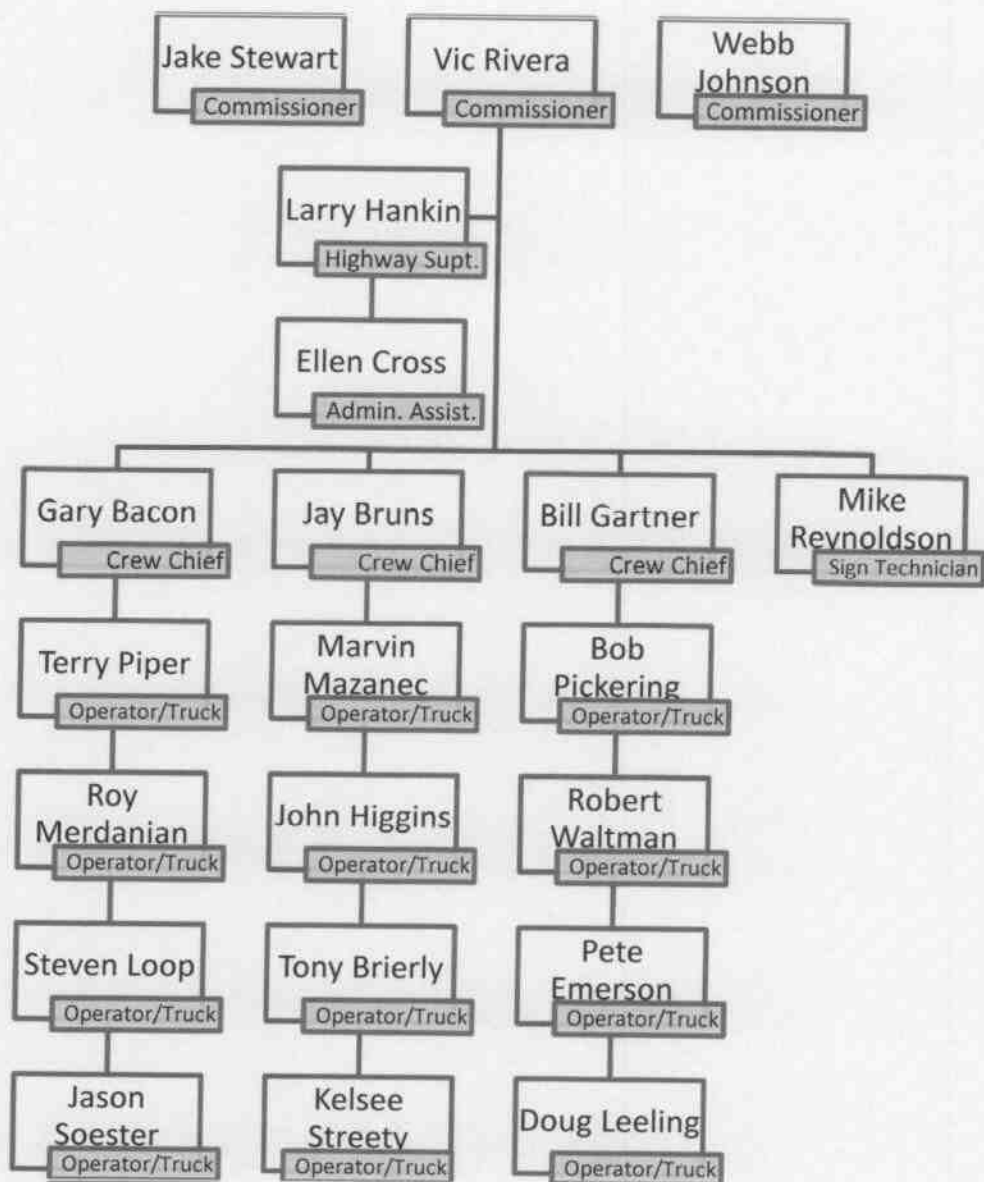
The 800 Fund has a balance \$102,160 remaining.

The bridge removal / culvert installation projects for Lemmon Road and Egan Road will be paid out of the FFPP. The projects were also approved for the County Bridge Match Program (CBMP) last year that will pay for the materials needed. The combined programs will fund these two projects 100%.

The remaining funds in the FFPP are anticipated to fully fund the Deadhorse bridge removal / culvert installation.

Personnel

Dawes County Road Department has maintained a stable workforce. After advertising for part-time truck drivers and not being able to fill those positions due to lack of applicants the decision was made to add one fulltime position in District Two and District Three to eliminate the need for part-time truck drivers. We hired three new employees this year Jason Soester in District One, Kelsee Streety in District Two and Doug Leeling in District Three.



Conclusions

The Dawes County Road Department is committed to provide the citizens of Dawes County with the highest level of service in the maintenance of roads and bridges. This office continues to set expectations high in the quality and quantity of work that can be completed. The goals set for 2018 and every effort will be made in seeing them to full fruition. Despite some of the ongoing challenges we face, the Highway Superintendent's office remains committed to providing the best quality service and infrastructure possible for the traveling public.

This report summarizes the major contributions of the Dawes County Road Department that have been accomplished and the proposed work for 2018.