

2021 ANNUAL REPORT

Department: Highway

Department Head: Craig Prior

Full Time Employees: 27

Department Mission: The Yates County Highway Department is responsible for the construction, maintenance and repair of the County transportation system that includes 179.82 centerline miles of roadways and 40 bridges. The Department accomplishes its mission through various capital improvement projects, maintenance repair projects and bridge maintenance repair or replacement projects. The Department also provides snow and ice control services as needed on 83.22 centerline miles while 7 townships provide snow and ice control as needed on 96.60 centerline miles.

January – March

Plow trucks were out 18 days in January, 17 days in February, and 3 days in March for snow and ice events.

Crews worked on tree trimming, brush and limb removal on several county roads.

Ditch cleaning was accomplished on several roadways, 870 hours were spent on this task.

Crews worked on various vehicle and building maintenance activities and built additional portable sign stand bases. New traffic signs were made in the sign shop.

Annual mandatory training for all employees was held during this time.

Bids for Aggregates, Hot Mix Asphalt, Cold Milling and Liquid Bituminous Materials were received, opened and awarded to the responsible low bidders.

The East Sherman Hollow bridge replacement was bid and awarded to Silverline Construction.

Douglas Rapalee of Penn Yan was hired as Deputy Highway Superintendent. His first day as a Yates County employee was January 19, 2021.

April – June

Snow and ice events occurred during 3 days in the month of April. Snow fence was removed from Pre Emption and Lovejoy Roads.

Crews worked on driveway repairs, ditch cleaning, and shoulder damage throughout April on various roads.

Roadside mowing began in late May. Two tractors began this operation with the third tractor starting later.

Capital project milling and paving work on 10.65 miles of road began May 3rd and finished June 11th.

Crack sealing on 9 roads began on May 6th and was completed on May 17th. Surface treating was performed on 4 roads beginning on June 29th and completing on July 1st.

July – September

New shoulder installation work on the capital improvement projects began in early July and continued through July 21st. Crushed asphalt millings generated from the milling process were used as shoulder material. Striping of roadways began soon after shoulders were completed. The Tri-County paint truck was used to perform this task.

County forces continued roadside mowing of ditches, front and back slopes. Various ditch maintenance, driveway installation, tree and brush trimming and shoulder repairs were completed on several roads. Bridge deck repairs were made on Pre Emption Road and South Avenue bridges.

Remnants of Tropical Storm Fred dropped several inches of rain on the night of August 18th causing area wide flooding throughout the county. After emergency measures were taken on the night of August 18th, crews immediately began cleaning up on August 19th. Crews spent approximately 10 weeks cleaning ditches, culverts and bridges. This event was declared a disaster by FEMA on October 8, 2021.

October – December

County forces continued cleaning ditches, culverts, creeks and bridges from the August 18th storm event. Minor bridge deck repairs were made on Plum Point and South Avenue bridges. Main Street bridge deck and sidewalk was treated with a sealant. Ditch cleaning and back slope earth work was performed on North Vine Valley Road, for the 2022 capital project. Material was hauled to various locations and stockpiled for the 2022 surface treating program. Mowing of roadsides was completed on October 26th. Bath Road, North Vine Valley and Guyanoga Roads were hydroseeded in areas of that had been ditched.

Snow fence was installed at locations on Pre Emption, Voak and Italy Hill roads. Snow fence installation commenced on November 22nd and was completed on December 3rd. The first snow and ice removal operation began November 19th. Snow crews were out five (5) days in November and ten (10) days in December.

EQUIPMENT

Vehicles/Equipment Purchased

- (1) 2021 Chevrolet 1500 Custom 4x4 pickup for \$32,807
- (1) 2021 Chevrolet 2500 HD 4x4 pickup for \$33,415
- (1) 2021 Volvo L90H Loader for \$175,387
- (1) 2021 John Deere 550K XLT for \$103,869
- (1) 2021 Mack Dump Truck (Haul) for \$180,951

- (1) 2021 Smith Auger Spreader for \$19,328
- (1) 2021 Massey Ferguson Tractor with mowing attachments for \$82,216
- (1) 2021 Woods BW10.60 Pull Behind Bat Wing Mower for \$17,955

Vehicles/Equipment Sold by Auctions International, Inc.

- 2016 Chevrolet 1500 LS Pickup for \$25,900
- 2016 Chevrolet 2500 HD Pickup for \$26,700
- 2008 Freightliner 6 wheel flatbed truck for \$15,100
- 2000 CAT D4 Bulldozer for \$25,300
- 2001 John Deere 624H Wheel Loader for \$34,500
- 2001 Brush Grapple for Wheel Loader for \$7,200
- 2005 Sterling 10-wheel Dump w/Plows for \$19,300
- 2008 Ford New Holland Tractor w/Mowing Attachment for \$16,100
- 2001 Air-Flo Chain Spreader for \$2,550
- 1999 (2) Dynapac Jumping Jack Tampers for \$365

Total sales revenue = \$173,015

ROAD WORK – CAPITAL

CR#9, Ridge Road (2.40 mi.): Donegal Construction, Inc. cold milled 32,440 square yards of pavement in mid-May at a contracted cost of \$27,250. The total pavement milling cost including contractual, county labor and equipment was \$50,020 (\$20,842/mile). Hanson Aggregates placed Hot-Mix Asphalt as follows:

2,935 tons of 19mm binder course at a 2” depth and 2,571 tons of 9.5mm top wearing course at a 1.5” depth. Paving began June 8th and completed on June 11th at a contracted cost of \$312,315 (\$130,131/mile). Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck.

CR#16, Travis Road (1.10 mi.): Donegal Construction, Inc. cold milled 14,638 square yards of pavement in mid-May at a contracted cost of \$12,296. The total pavement milling cost including contractual, county labor and equipment was \$24,059 (\$21,872/mile). Hanson Aggregates placed Hot-Mix Asphalt as follows:

1,216 tons of 19mm binder course at a 2” depth and 1,151 tons of 9.5mm top wearing course at a 1.5” depth. Paving began June 9th and completed on June 11th at a contracted cost of \$134,700 (\$122,455/mile). Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck.

CR#17, Bath Road (4.76 mi.): Bath Road construction took place between State Rte. 54 and Sisson Road. Donegal Construction, Inc. cold milled 64,530 square yards of pavement in mid-May at a contracted cost of \$47,107. The total pavement milling cost including contractual, county labor and equipment was \$91,182 (\$19,156/mile). Hanson Aggregates placed Hot-Mix Asphalt as follows:

5,843 tons of 19mm binder course at a 2” depth and 4,976 tons of 9.5mm top wearing course at a 1.5” depth. Paving began May 27th and completed on June 7th at a contracted cost of \$630,650 (\$132,489/mile). Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck.

CR#20, Airport Drive (0.35 mi.): Because the composition of the existing pavement and very little traffic Airport Drive was not cold milled as has been done with all other roadways. Also it was determined to overlay with a wearing course only at this time. Hanson Aggregates placed Hot-Mix Asphalt as follows:

393 tons of 9.5mm top wearing course at a 1.5” depth. Paving began and was completed on June 3rd at a contracted cost of \$24,974 (\$71,355/mile). Lane striping was done by the Tri-County striping truck.

CR#21, West Lake Road (2.04 mi.): Donegal Construction, Inc. cold milled 26,500 square yards of pavement in mid-May at a contracted cost of \$23,320. The total pavement milling cost including contractual, county labor and equipment was \$46,757 (\$22,920/mile). Hanson Aggregates placed Hot-Mix Asphalt as follows:

2,643 tons of 19mm binder course at a 2” depth and 2,056 tons of 9.5mm top wearing course at a 1.5” depth. Paving began May 24th and completed on May 27th at a contracted cost of \$270,732 (\$132,712/mile). Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck.

A total of 23,783 tons of hot-mix asphalt was placed for the five capital improvement projects. Average cost for paving and milling contract work was \$139,281 per mile. The NYS Asphalt Price Index was up during the time of the projects so there was an overall asphalt cost increase for all projects of \$138,675.

ROAD WORK – MAINTENANCE

Crack Sealing

Crack sealing was completed by Vestal Asphalt on Anthony, Dunton, Pre-Emption, Voak, Italy Hill, Italy Turnpike, East Lake, Dundee-Starkey and Dundee-Glenora Roads. Crack sealing began May 6th and completed on May 17th. Contractor cost for crack sealing was \$104,394.

Surface Treatments (oil/stone)

Surface treatment of Dundee-Himrod, Havens Corners, Italy Hill and Plum Point Roads began June 29th and completed on July 1st. A total of 17.03 miles were completed by Vestal Asphalt using RS-2 oil and #1A stone. The contractor cost for oil, chipper and roller rental was \$165,678 (\$9,729/mile). The total cost for contractual, county labor, materials and equipment was \$242,371 (\$14,232/mile).

Traffic Control

Signs were replaced and maintained as required on various roads. Sign Maintenance workers performed sign retro-reflectability test on various roadways.

BRIDGES & CULVERTS

E. Sherman Hollow Rd. over Sugar Creek Bridge, Town of Jerusalem

Silverline Construction of Burdett, NY completed the 10th Federal Aid project that Yates County has been granted in the amount of \$600,152.31. Total cost with Engineering Design, Right-Of-Way, Construction and Construction Inspection was \$867,829.85. Local funds in the amount of \$42,318.75 were used to fund the county share of the project. The project consisted of rehab of the substructure and replacement of the superstructure, concrete bridge deck, bridge rail and approach paving. The project was designed by Foit-Albert of Buffalo, NY. The bridge was closed to traffic on June 7th and reopened to traffic on November 5th.

Haley Road Bridge over Big Stream Creek, Town of Barrington

On December 15th the county was notified by the NYSDOT that through a competitive scoring process Haley Road Bridge had been selected as a BRIDGE NY 2021 project. This project will be Yates Counties 11th Federal Aid/BRIDGE NY project. The county was awarded up to \$1,462,240 which is 95% of the total project cost. This bridge will be programmed for 2024 construction. Barton & Loguidice of Syracuse, NY was chosen through a scoring process as the Design Engineer.



East Sherman Hollow - looking East from West abutment to center pier and East abutment



East Sherman Hollow – New abutment cap with dowels, West side



East Sherman Hollow – New deck and approach slabs, looking East, ready for HMA



East Sherman Hollow – High water after storm event

MISCELLANEOUS

Drug & Alcohol Testing

Sixteen (16) random tests were conducted on-site at the Highway Department offices by Health Works lab personnel with ten (12) being for substance and two (4) for alcohol. Results of all tests were negative. There was also one (5) pre-employment drug screening done with results being negative.

TORREY LANDFILL

Mowing

Grass was mowed twice per the landfill closure manual guidelines.

Submitted by: Craig Prior, Highway Superintendent