

# 2016 ANNUAL REPORT

**Department:** Highway

**Department Head:** David Hartman

**Departmental Employees:** 27

**Department Mission:** The Yates County Highway Department is responsible for the construction, maintenance and repair of the County transportation system that includes 179.86 centerline miles of roads and 40 bridges. The Department accomplishes its mission through various capital improvement, maintenance and repair projects and bridge maintenance, repair or replacement projects. The Department also provides snow and ice control services as needed.

## **January - March**

Plow trucks were out 17 days in January, 14 days in February and 3 days in March for snow events. Crews worked on various vehicle and building maintenance activities and portable sign maintenance and repair projects in Benton. New signs were also made in the sign shop. As weather permitted, crews were able to complete some tree trimming on ditch cleaning on various roads. Much of the ditch cleaning took place in March as the temperatures allowed for outside work to proceed. The pipe crew worked on East Lake Rd. culvert pipe replacements and headwall repairs. Various aggregate materials, Hot Mix Asphalt, Cold Milling and Liquid Bituminous bids were received, opened and awarded to bidders. Major cleanup of building interiors and disposal of old debris was completed at the Benton facility in February. West Avenue Bridge superstructure replacement bids were sought, received and awarded to Silverline Construction, Inc. of Burdett, NY in the amount of \$188,703. Welding repairs were made to the girders and diaphragm beams on the Milo St. Bridge in Dresden using a hanging scaffold system and all appropriate safety gear.

## **April - June**

Pipe crew completed work on culvert replacements on Lakemont-Himrod Rd. between Dundee-Himrod and Plum Point Roads. Roads were swept clean of winter sand and debris and plow damage to shoulders in various locations were repaired in early-mid April. Snow fencing was removed from various locations and hydro seeding was done on exposed slopes and ditches. A small crew was sent to the airport for some earthwork and grading along the west side of runway 1-19. Good weather allowed crews to continue preparing the roads, ditches and replace several cross culverts on roads that will be getting re-habilitated and re-paved this year (Italy Hill, Second Milo, East Lake Road, Dundee-Glenora and Lakemont-Himrod). Crews moved a radio tower shed for the Sheriff from Stid Hill tower in Ontario County to the tower site on Skyline Drive. Villager Construction began cold milling of pavement on May 9<sup>th</sup> starting on East Lake Rd. (2.9 miles) then on to Italy Hill (4.7 mi.), Dundee-Glenora (3.2 mi.), Lakemont-Himrod (0.8 mi.) and finishing up on May 23<sup>rd</sup> with Second Milo Rd (0.6 mi.). Villager's invoice for all cold milling work was \$168,307 which included crushing the millings that will be used for shoulder backup. Hanson Aggregates followed up with hot mix asphalt paving on the same roads beginning on May 23<sup>rd</sup>. Several unstable areas on East Lake Rd became evident after heavy rains on May 29<sup>th</sup> and in conjunction with the heavy paving truck traffic in the immediately following week, paving was halted on that road and Hanson went to the other capital improvement roads to complete their paving work while Yates County crews repaired the bad spots. The West Avenue Bridge in the Town of Italy underwent a superstructure replacement project that was designed by Hunt Engineers (\$26,400) and built by Silverline Construction (\$188,703).

Vestal Asphalt crack sealed various roads between May 3<sup>rd</sup> and May 19<sup>th</sup> including Himrod, part of Ferguson Corners #2 & all of #4, Vine Valley, Pierce Hill, Italy Hill, Guyanoga, Darby's Corners, Dundee-Lakemont, Dundee-Starkey and Plum Point. Upon completion of all paving, county crews installed the shoulder backup on all roads and the pipe crew continued work on replacing culverts on Bath Rd. in preparation for next year's paving project.

### **July - September**

From mid-July through the end of the month crews installed and compacted shoulders on the capital improvement projects (Lakemont-Himrod, Italy Hill, Dundee-Glenora, East Lake and Second Milo Roads) using the millings from those roads. Driveway approaches along those roads were also adjusted to meet the new pavements. Grader patching with hot mix asphalt was done on Italy Valley, Friend and Rock Stream Roads in late July. Vestal Asphalt surface treated several roads between August 8<sup>th</sup> and 11<sup>th</sup> including Italy Valley, Vine Valley, Pierce Hill, Voak and Havens Corners. Some shoulder repair work was done on Shay, Friend and Italy Valley Roads. The pipe crew began replacing culvert cross-over pipes on Bath Rd. between Sisson Rd. and the Schuyler Co. line in early August in preparation for a planned capital improvement paving project in 2017. A drainage project was also completed south of the Italy Town Highway Dept. on the east side of the road to help alleviate flooding problems that occur during heavy rainfall events. Approximately 800 feet of 6" drain tile piping and drop inlets were installed along the right of way. Crews hydro-seeded numerous roads where ditch cleaning work had taken place.

### **October – December**

Crews continued working on culvert replacements and earthwork on Bath Rd. for the 2017 capital paving project and various maintenance activities including shoulder repairs on Italy Valley Road, ditch cleaning on Friend road, debris cleanup on the upstream side of the West Ave. Bridge and bridge deck concrete repairs at the Pre-Emption Road Bridge in Bellona. Metal roofing was installed by a Highway Dept. crew on the lean-to cold storage building in Benton and then the sand and salt mix barn. Mix Barn gable ends were also painted while the man-lifts were still on rent. Began hauling in #1A stone for 2017 surface treating. From late October into November all crews were on Bath Road doing prep work for 2017 paving project. One crew went to East Lake Road in Middlesex to install guide rail in several locations. The pipe crew completed several culvert replacements on Lakemont-Himrod Road between Dundee-Starkey and Dundee-Lakemont Roads. First snow event of the season was on Nov. 21<sup>st</sup>. Four building entry doors were replaced in Benton by highway employees. Snow fence was installed at various locations around the county. Trees and ditch cleaning were completed on a section of Rock Stream Road and another crew worked on tree removals and shoulder repairs on Plum Point road.

## **EQUIPMENT**

### **Vehicles/Equipment Purchased**

- (1) 2016 Chevrolet 1500 Lt 4x4 pickup for \$28,505
- (2) 2016 Chevrolet 2500 ¾ ton, 4x4 pickup trucks for \$56,072
- (1) 2017 Mack GU-713 tandem Axle dump truck 165,398

### **Vehicles/Equipment Sold by Auctions International, Inc.**

- 2002 Ford F-250 4x4 pickup for \$4,000
- 2007 Chevy Silverado 1500 4x4 for \$8,600
- 2008 Ford F250 4x4 pickup for \$6,800
- 1993 Fontaine trailer for \$14,200
- 1992 Ford single axle dump truck for \$5,500
- 1995 Ford single axle dump truck for \$9,000
- 1994 Ford single axle dump truck for \$6,200

Total sales revenue = \$54,300

## **ROAD WORK – CAPITAL**

CR#1s Lakemont-Himrod Road (0.94 mi.): Villager Construction, Inc. cold milled pavement from CR#36, Plum Point to CR#5, Dundee-Himrod in mid-May at a cost of \$22,166. Hanson Aggregates placed Hot-Mix Asphalt as follows: 2,606 tons of Type 3 binder at a 4” depth and 1,181 tons of Type 6F top at a 1.5” depth. Paving was started on June 8<sup>th</sup> and completed on June 9<sup>th</sup> at a cost of \$193,034. (\$205,355/mile). Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. Total cost including contract work and YCHD labor/equipment/materials was \$308,807 (\$328,518/mile)

CR#30 Second Milo Road (0.63 mi.): Villager Construction, Inc. cold milled pavement from CR#17, Bath Rd. to NY Rte. 54 at a cost of \$19,376. Hanson Aggregates placed Hot-Mix Asphalt as follows: 862 tons of Type 3 binder at a 2” depth and 791 tons of Type 6F top at a 1.5” depth. Paving was started and finished on June 10<sup>th</sup> at a cost of \$94,408 (\$149,853/mile). Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. Total cost including contract work and YCHD labor/equipment/materials was \$181,587 (\$288,233/mile).

CR#32 Italy Hill Road (4.7 mi.): Villager Construction, Inc. cold milled pavement from CR#33, Darby’s Corners to Steuben County line at a cost of \$51,926. Hanson Aggregates placed Hot-Mix Asphalt as follows: 6,131 tons of Type 3 binder at a 3” depth and 5,351 tons of Type 6F top at a 1.5” depth. Paving was started on May 23<sup>rd</sup> and completed on May 27<sup>th</sup> at a cost of \$583,043 (\$124,052/mile). Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. Total cost including contract work and YCHD labor/equipment/materials was \$758,639 (\$161,413/mile).

CR#39 East Lake Road (2.9 mi.): Villager Construction, Inc. cold milled pavement from CR#10, Vine Valley Rd. to Ontario County line at a cost of \$40,962. Hanson Aggregates placed Hot-Mix Asphalt as follows: 8,743 tons of Type 3 binder at a 4” depth and 3,016 tons of Type 6F top at a 1.5” depth. Paving was started on May 31<sup>st</sup> and completed on June 30<sup>th</sup> at a cost of \$578,779 (\$198,893/mile). Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. Total cost including contract work and YCHD labor/equipment/materials was \$928,401 (\$319,038/mile).

CR#44, Dundee-Glenora Road (3.0 mi.): Villager Construction, Inc. cold milled pavement from Dundee Village line to NY Rte. 14 at a cost of \$33,878. Hanson Aggregates placed Hot-Mix Asphalt as follows: 3,900 tons of Type 3 binder at a 2” depth and 3,599 tons of Type 6F top at a 1.5” depth. Paving was started on June 3<sup>rd</sup> and completed on June 8<sup>th</sup> at a cost of \$392,207 (\$131,173/mile). Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. Total cost including contract work and YCHD labor/equipment/materials was \$520,405 (\$174,048/mile).

A total of 36,179 tons of hot-mix asphalt was used for the five capital improvement projects.

## **ROAD WORK – MAINTENANCE**

### Crack Sealing

Crack sealing was done by Vestal Asphalt on several roads this year including Ferguson Corners 4, Voak, Guyanoga, Italy Hill, Darby’s Corners, Vine Valley, Himrod, Dundee-Himrod, Plum Point, Dundee-Starkey and Dundee-Lakemont at a cost of \$180,567.

### Surface Treatments (oil/stone)

Surface treating was completed by Vestal Asphalt using RS-2 oil and #1A stone on August 8<sup>th</sup> – August 10<sup>th</sup> at a cost of \$229,304 which includes the oil, chipper and roller rental fees. The roads treated were: Vine Valley, Pierce Hill, Havens Corners, Italy Valley (Rte. 364 to Italy Turnpike), Voak and Darby’s Corners.

Traffic control signs were replaced and maintained as required on various roads.

Various maintenance projects including ditch cleaning, shoulder repairs, mowing roadsides, tree trimming and grader patching were completed on various roads.

## **BRIDGES & CULVERTS**

West Avenue Bridge - Silverline Construction, Inc. completed a superstructure replacement project for \$188,703. Hunt Engineers completed the initial study to determine options for \$3,000 and the subsequent final design drawings and specifications for \$23,400. Total cost, Engineering and Construction = \$215,103.

Vine Valley Rd Bridge – Economy Paving, Inc. of Cortland completed the 8<sup>th</sup> Federal Aid project that Yates County has been granted in the amount of \$558,558.58. Total cost with Engineering Design and Construction was \$787,455.

Alexander Rd. Bridge – Barton & Loguidice (consulting engineer) was selected to complete the superstructure replacement design work on the Alexander Road Bridge at a cost of \$29,600 and Silverline Construction, Inc. of Burdett, NY was the low bidder at \$181,238. Project will be built in 2017

Valley View Bridge - Hunt Engineers was selected and authorized to proceed at a cost of \$4,500 with a general study of options for re-opening the bridge which was closed in September due to engineering inspection reports from NYSDOT that indicated it was not safe for more than 3 tons.

## **MISCELLANEOUS**

MVA fatalities on County Roads – There was one fatality on 7/2/16 at the intersection of CR8 and N. Flat St.

There were 74 dead deer carcasses removed from County roads.

Drug & Alcohol testing: Sixteen (16) random tests were conducted on-site at the Highway Department offices by HealthWorks lab personnel with thirteen (13) being for substance abuse and three (3) for alcohol. Results of all tests were negative. There was also one (1) pre-employment drug screening done with results being negative

**TORREY LANDFILL**: Grass was mowed twice per the landfill closure manual guidelines.

Submitted by: David Hartman, Highway Superintendent