

2014 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 181 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 seventeen (17) days in January, (25) days in February and (19) 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 Italy Hill, Italy Valley, Second Milo, Hobson and Shay roads. Pavement and potholes were patched on various roads. Various washouts and ditches on several roads were repaired where runoff from melting snow damaged shoulders. Various culvert pipes were unthawed using a steam jenny to allow for melt water to pass through the pipes. Installed new check dam rock upstream of the Old East Lake Road Bridge. Various aggregate materials bids were received, opened and awarded to bidders.

April - June

Roads were swept clean of winter sand and debris in early April and plow damage repairs were made to shoulders and at intersections. County House Road capital project drainage and ditch work continued through April and into May. Repaired several catch basins for Buildings & Grounds in the County Office Building parking lot. Snow fencing was removed from various locations and hydro seeding was done on exposed slopes and ditches along County House Road. Villager Construction cold milled 1.6 miles of Ridge Rd. on May 9th at a cost of \$22,896. Hanson Aggregates followed up with hot mix asphalt paving and county forces installed shoulders soon after. Villager Construction started cold milling of pavement on County House Rd. on Tuesday, May 13th and completed approximately 1 mile. Heavy rain overnight on the 13th and into the 14th caused widespread and severe damage to numerous roads including County House, Italy Hill, Italy Valley, Italy Turnpike, Italy Friend, Guyanoga, Shay, Vine Valley, East Lake Rd., West Lake Rd., E. Sherman Hollow and Havens Corners. Guyanoga Road, West Lake Rd. and Sherman Hollow were closed temporarily until gravel, rock and debris could be cleaned up.



Guyanoga Rd. South of County House Rd.



E. Sherman Hollow Rd. east of Yatesville Rd.



County House Rd. near Yatesville Rd.



Italy Valley Rd. south of Sliter Rd.

The single, largest and most severely damaged site was on the Italy Turnpike when a culvert failure due to a pipe section becoming detached from its adjoining pipe section which allowed water in the pipe to leak out and caused the toe of slope to become washed out and fail which in turn caused a massive landslide. The loss and undermining of the existing shoulder and roadway required closure of the road to all traffic. Traffic was detoured onto nearby Wells Rd. while engineering design proposals were sought, received an awarded. Barton & Loguidice was awarded the bid to develop design alternatives and estimates for repairs. The capital improvement project on County House Rd. was suspended until flood damage repairs could be made. County House Road was reduced to one lane for several days until a culvert pipe and manhole could be repaired. Another hard rain on Thursday, May 15th caused more damage and washed out some of the same driveway culvert pipes on County House that had just been reset the day before. The damage to road shoulders, driveways and the debris build-up at bridge and culvert structures was widespread. Steuben County and Ontario County Highway departments sent crews and equipment in for a couple weeks to assist with repairs and make hazardous sections of roads passable and safe.

Cold milling of pavement on Ridge Rd. between Havens Corners and Nutt Rd was completed on May 12th by Villager Construction at a cost of \$22,896. Yates County crews continued work on flood damage repair throughout June and July. Vestal Asphalt surface treated Ferguson Corners Roads #2 and #4 on 6/23/14. After completing six weeks' worth of repairs to flood damaged areas on County House Rd., on June 30th Villager Construction returned and began cold milling of asphalt pavement picking up where they left off on May 13th. They completed the milling on July 7th at a cost of \$69,397.

July - September

A.L. Blades started hot mix asphalt paving on County House Rd. on July 23rd and placed 17,839 tons of Type 3 binder and 6,910 tons of Type 6F top. Paving was completed paving on August 18th at a cost of \$1,451,892 (\$231,932/mile). A total of 31,298 tons of hot mix asphalt was placed on both capital improvement projects. County forces followed up with shoulder installations using the millings from those roads. They also completed driveway match-ins and touch-up landscaping and completed all lane striping. The culvert repair and landslide repair project on the Italy Turnpike was bid out and awarded at the Sept. 17th Legislature meeting to C.P Ward, Inc. of Scottsville, NY for \$652,450.



Italy Turnpike culvert failure & landslide -- new culvert installed, backfill in progress

October – December

Work began on the Italy Turnpike culvert replacement project and continued until late November when the project was shut down for the winter. The fill material contained too much moisture and could not be properly placed and compacted so the project end date was extended until June 15, 2015. Routine maintenance tasks such as mowing, ditch cleaning, grader patching, pavement patching, hydro-seeding and other miscellaneous flood damage repairs continued through September. Maintenance activities continued with ditch cleaning on West Lake Rd., Flynn Rd., Italy Turnpike and Italy Hill, pothole patching on various roads, tree and brush trimming on various roads and creek bed cleanup and re-alignment on Flint Creek/Italy Valley Rd. and at the Plum Point Bridge. The culvert crew replaced all culverts necessary for the 2015 capital improvement project on CR#1s, Lakemont-Himrod Rd. Shoulders were installed for several Towns with the County's road widener and an operator. Mowing continued well into November in an attempt to catch up from delays caused by flood damage repair priorities. Ditch cleaning on various roads including Hobson Rd. for a planned 2015 capital paving project as weather allowed.

EQUIPMENT

Vehicles/Equipment Purchased

No vehicles or equipment was purchased in 2014

Vehicles/Equipment Sold by Auctions International, Inc.

1989 Chevrolet Model C70 Dump truck (cab & chassis only) for \$2,300

50 kw Kohler emergency generator for \$3,000

285 gal. steel double walled fuel tank for \$290

Total sales revenue = \$5,590

ROAD WORK – CAPITAL

CR#9, Ridge Road (1.6 mi.): Villager Construction, Inc. cold milled 22,007 square yards of pavement from CR#14, Havens Corners Rd. to a point just south of Nutt Rd. in mid-May at a cost of \$22,896 (\$14,310/mile). Hanson Aggregates placed Hot-Mix Asphalt as follows: 4,723 tons of Type 3 binder at a 4” depth 1,826 tons of Type 6F top at a 1.5” depth. Paving was started on May 19th and completed on May 22nd at a cost of \$395,932 (\$247,458/mile). Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck.

CR#24, County House Rd. (6.26 mi.) .): Villager Construction, Inc. cold milled 84,631 square yards of pavement from NYSR 364 to CR#29, Guyanoga Rd. between June 30th and July 7th at a cost of \$69,397 (\$11,086/mile). A.L Blades placed Hot-Mix Asphalt as follows: 17,893 tons of Type 3 binder at a 4” depth and 6,910 tons of Type 6F top at a 1.5” depth. Paving was done between July 23rd and August 18th at a cost of \$1,451,892 (\$231,932/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 31,298 tons of hot-mix asphalt was used for the two capital improvement projects.

ROAD WORK – MAINTENANCE

Crack Sealing

No crack sealing was done in 2014 due to the need to use the funds designated for crack sealing to purchase aggregate materials for flood repairs.

Surface Treatments (oil/stone)

Surface treating was completed on two roads by Vestal Asphalt using RS-2 oil and 3/8” modified stone on June 23 and 24, 2014.

CR#2, Ferguson Corners Rd. (2.73 mi.) from NYSR 14A to Ontario Co. line at a cost of 36,781 (\$13,473/mi.) for the oil, chipper and roller rental.

CR#4, Ferguson Corners Rd. (6.09 mi.) from CR#2, Ferguson Corners Rd. to the Village of Rushville line at a cost \$78,400 (\$12,874/mi.) for the oil, chipper and roller rental.

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

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

BRIDGES & CULVERTS

Various bridge maintenance activities were completed on several bridges. Activities included debris removal from streambeds, stream alignment improvements, concrete patching, welding, approach repairs and the removal of sediment aggradation under the approach rails of many bridges was also completed in an effort to improve approach pavement drainage and condition ratings.

Old East Lake Rd Bridge – This federal aid bridge replacement project was completed by G. DeVincentis & Sons Construction Company from Binghamton, NY. The low bid amount was \$539,000 and the final project cost came in at \$469,965. After all federal and state reimbursements are received Yates County’s cost will be \$24,000.

CR34, Italy Turnpike – Significant cracking and settlement along the edge of pavement and shoulder area was discovered soon after the May storms and localized flooding. It was discovered that a section of steel pipe near the outlet end of the 40 foot deep pipe had separated from its adjoining section and water washed away the toe of the slope causing a major landslide and slope failure that required the road to be closed between the east and west ends of Wells Rd. Requests for Proposals were sought from several engineering firms to evaluate the situation and provide recommendations and cost estimates to repair the culvert and correct the slope failure. Barton & Loguidice from Syracuse was selected and provided recommendations and design services. The project was bid out and five bids were received. The low bidder was C.P Ward, Inc. of Rochester with a bid of \$652,450. The bid was awarded on 9/17/14 and work began soon after. The contractor got the new culvert in the ground and partially backfilled before they were forced to stop due to weather conditions. The project will be completed in the spring of 2015. Wells Rd. continued to be used as the detour route around the closed section of road.

MISCELLANEOUS

MVA fatalities on County Roads – There were two involving a County road. One occurred 4/27/14 on CR#32, Italy Hill Road and the other happened 6/27/14 at the intersection of CR#8, Bellona Station Rd. and Rte. 14A.

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

Drug & Alcohol testing: Sixteen (16) random tests were conducted on-site at the Highway Department offices by HealthWorks lab personnel with twelve (12) being for substance and four (4) for alcohol. Results of all tests were negative. There was also one (1) pre-employment drug screening done with results being negative

There were 53 dead deer carcasses removed from County roads.

Submitted by: David Hartman, Highway Superintendent