

2012 ANNUAL REPORT

Department: Highway

Department Head: Dave 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

On January 25th, Highway Superintendent Dave Hartman began a one year term as President, New York State County Highway Superintendents Association (NYSCHSA). Plow trucks were out seventeen (17) days in January for minor 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. Safety and training meetings were held in January, February & March. Employees received refresher training on numerous safety topics. With above average temperatures and the lack of any significant snow, crews were able to complete various ditch cleaning projects on several roads including; Himrod, Friend, Leach and Havens Corners. Heavy gravel deposits were also removed from an Italy Valley creek bed that perpetually deposits large quantities of gravel along the middle of the streambed forcing water toward the stream banks as it proceeds to a downstream aluminum box drainage structure. February brought more relatively mild temperatures but plow trucks were out 13 days for minor events. Crews continued ditch maintenance projects and prepared for capital project culvert work. Abnormally high temperatures in March allowed crews to complete culvert and drainage mitigation work on County House Rd. and start Capital Improvement culvert and drainage work on the Italy Turnpike. Repair of winter plow damage to shoulders began in March and continued through March. Plow trucks were out a total of 4 days in March.

April - June

Roads were swept clean of winter sand and debris in early April. Italy Turnpike capital project earthwork, drainage and culvert work continued through April and May. A late season snow event occurred on April 23rd and required plow trucks to go out on their routes but it was only a one day event and no further days out were required. Bridge decks were flushed, tree trimming, ditch cleaning, hydro-seeding and cleaning out under guide rails to improve drainage took place on various roads. Villager Construction, Inc. cold milled 3.16 miles of Himrod Rd (Penn Yan to Milo Center), 0.75 miles of Italy Turnpike (starting at Italy Hill Rd.) and Central Ave. in early May. Hanson Aggregates began hot mix asphalt paving on those three roads on May 21st and completed paving on June 7th. County forces followed up with shoulder installations using the millings from those roads. They also completed driveway match-ins and touch-up landscaping. Low shoulder in-fills were completed on Chubb Hollow Rd. in preparation for surface treating. Mowing began on May 17th with County forces due to three temporary summer help positions being eliminated by the Legislature during 2012 Budget development process. Surface treating on 19.01 miles was completed the week of June 18th on several roads including Italy Valley Rd. between Italy Turnpike and Ontario Co. line, Chubb Hollow, Sherman Hollow, Bellona Station and Earls Hill roads at a cost of \$298,549 (\$15,713/mile). Various roads were crack sealed in June by Suit-Kote

July - September

Various maintenance activities were completed in July, August and September. Activities included low shoulder in-fills completed on Friend, County House, Bath, Lakemont-Himrod, Dundee-Glenora as needed. Pavement at the Finger Lakes Railway crossing on Havens Corners Rd. was milled down and re-paved to improve ride quality.

Grader patching was done on several roads to infill wheel ruts, slight depressions and to bridge over areas of surface cracking and distress. Roads that were patched included: Bath, Italy Turnpike, Lakemont- Himrod, Dundee-Glenora, Friend, County House. The culvert replacement crew replaced a deep culvert pipe on Italy Turnpike in July causing the road to be completely closed for two weeks while the pipe was replaced, backfilled, guiderail installed and paved. Earthwork was completed on the Turnpike by the same culvert crew who then began drainage and culvert replacement work on Ridge Road between Himrod Rd. and Outlet Rd. line in late September. Bridge rail repairs were made on the East Sherman Hollow bridge and Loomis Rd. bridge. The Tri-County (Yates, Steuben, Schuyler) striping truck completed lane striping on all roads that were re-paved and grader patched with hot mix asphalt. In September, Highway Maintenance Supervisor Lance Yonge and Heavy Equipment Operator Charles Bishop assisted the Village of Penn Yan on Elm Street between Hamilton St. and Walnut St. The County supplied its tracked excavator and bulldozer to excavate the old sub-base material and install, compact and fine grade new sub-base material prior to new asphalt paving that was placed by Hanson Aggregates, Inc. Shoulders were installed for several Towns with the County's road widener and an operator.

October – December

Shoulders were cut on Flynn Rd., Leach Rd., City Hill Rd., Anthony Rd., Himrod Rd. and Ridge Rd., Good weather allowed the culvert crew on Ridge Rd. to continue capital project preparation work on culvert replacements and drainage improvements. All culverts between Himrod Rd. and Rte. 54 for 2012 Capital project were completed by mid November. One crew cleared brush and widened driveways on Parish Hill & Shay Rd. radio tower sites to accommodate lowboy trailer and crane for communications project. High winds from Hurricane Sandy hit the county on October 29th. There was minimal damage and only a few downed trees that were readily cleaned up. Unrelated to Hurricane Sandy, repairs to the sand & salt storage building roof were made to repair rotted roofing and deck boards.

EQUIPMENT

Vehicles/Equipment Purchased

2012 Volvo SD70D single drum vibratory roller for \$74,300
2008 Volvo DD112HF double drum vibratory roller for \$82,980

Total Purchases = \$142,533.85

Equipment Sold

1990 Case 602B compactor for \$8,300
1996 Ingersoll-Rand SD100D compactor for \$28,300
(2) Air Flo AF240 Sanders for a total of \$5,700

Total Sales = \$42,300

ROAD WORK – CAPITAL

CR#1, Himrod Road (3.16 mi.): Villager Construction, Inc. cold milled 52,912 square yards of pavement from Penn Yan village line to a point 630 feet south of Milo Center Rd. in early May at a cost of \$46,563 (\$14,735/mile). Hanson Aggregates placed Hot-Mix Asphalt as follows: 10,877 tons of Type 3 binder at a 4" depth and 4,464 tons of Type 6F top at a 1.5" depth. The total cost of asphalt paving was \$989,410 (\$313,104 per mile). Oil index escalation costs accounted for \$64,031 (6.5%) of the total cost. Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. The total project cost to date including all prep work done in 2011 along the entire 3.1 mile length is \$1,291,009.



Milling on Himrod Rd with Torrey truck assistance

CR#25, Central Ave. (0.70 mi.): Villager Construction, Inc. cold milled 11,029 square yards of pavement from Assembly Ave. in early May at a cost of \$11,691 (\$16,701 per mile). Hanson Aggregates placed Hot-Mix Asphalt as follows: 1,151 tons of Type 3 binder and 941 tons of Type 6F top. The total cost of asphalt paving was \$143,695 (\$208,254 per mile). Oil index escalation costs accounted for \$8,758 (6.1%) of the total cost. Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. The total project cost was \$181,994

CR#34, Italy Turnpike (0.75 mi.)

Villager Construction, Inc. cold milled 10,072 square yards of pavement from Italy Hill Rd. in early May at a cost of \$11,180 (\$14,907 per mile). Hanson Aggregates placed Hot-Mix Asphalt as follows: 2,101 tons of Type 3 binder and 798 tons of Type 6F top. The total cost of asphalt paving was \$192,939(\$260,514 per mile). Oil index escalation costs accounted for \$12,707 (6.6%) of the total cost. Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. The total project cost to date \$681,138.

A total of 20,335 tons of hot-mix asphalt was used for the three capital improvement projects.



Italy Turnpike deep culvert pipe replacement



Italy Turnpike deep culvert pipe replacement

ROAD WORK – MAINTENANCE

Crack sealing was done on various roads as needed between May 10th and May 24th including Bath Rd. (Rte. 54 to Sisson Rd.), Six Corners, Lakemont-Himrod (Rte. 14 to Himrod RR crossing) and Second Milo Rd (Chubb Hollow to Bath Rd.) at a cost of \$53,464.

Surface treating was completed on:

Earls Hill Rd. (1.97 mi.) from NY Rte. 14 to Pre-Emption Rd. at a cost of \$29,949 (\$15,202/mile).
Bellona Station Rd. (2.7 mi.) from NY Rte. 14A to Pre-Emption Rd. at a cost of \$41,001 (\$15,185/mile).
Chubb Hollow Rd. (6.7 mi.) from NY Rte. 14A Himrod Rd. at a cost of \$97,932 (\$14,617/mile).
Italy Valley Rd. (3.5 mi.) from Italy Turnpike to Ontario Co. line at a cost of \$56,591 (\$16,169/mile).
E. Sherman Hollow (4.4 mi.) from County House Rd. to Guyanoga Rd. at a cost of \$73,037 (\$16,599/mile).

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 – Barton & Loguidice substantially completed preliminary Design and Right-of-Way phase mapping on the proposed Federal Aid bridge project.

MISCELLANEOUS

One MVA fatality on CR29, Guyanoga Rd. on 4/15/12
One MVA fatality on CR40, Dundee-Starkey Rd. on 6/9/12
One MVA fatality on CR15, Pre-Emption Rd. on 6/30/12

Landfill: Grass was mowed twice per the landfill closure manual guidelines. Residential well water testing requirement was eliminated by NYS Department of Environmental Conservation in cooperation with NYS Department of Health

Drug & Alcohol testing: Fifteen (15) random tests were conducted on-site at the Highway Department offices by HealthWorks lab personnel with twelve (12) being for substance and three (3) for alcohol, plus one (1) additional post accident substance and one (1) post accident alcohol. Results of all tests were negative.

There were 69 dead deer carcasses removed from County roads