

# 2013 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

Plow trucks were out seventeen (17) days in January 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. Yates County Truck #63 was loaned to Middlesex after their highway barns suffered losses due to a fire in January. Repaired sewer line running from Benton bathroom to septic tank. Safety and training meetings were held in January, February & March. As weather permitted crews were able to complete some tree trimming, ditch cleaning and tree stump removal work on several roads including; Italy Valley, Havens Corners, Dundee-Lakemont, Ridge, Dunton and East Lake Rd. Aggregate materials bids were received, opened and awarded to bidders. February brought more relatively minor snow events and plow trucks were out 17 days. New Highway Department Safety Policy was adopted by resolution. The policy was read and explained to employees in March. Trucks were out 9 times to plow 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. There was one snow event on April 2<sup>nd</sup> 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. Midland Asphalt cold milled 2.3 miles of Italy Turnpike between April 30<sup>th</sup> and May 2<sup>nd</sup> at a cost of \$27,392. Villager Construction, Inc cold milled 3.89 miles of Ridge Rd. from Himrod Rd. to Nutt Rd. on May 15<sup>th</sup>, 16<sup>th</sup> and 21<sup>st</sup> at a cost of \$44,448. A.L Blades & Sons/Dolomite began hot mix asphalt paving Italy Turnpike on May 2<sup>nd</sup> and due to many rain days did not finish until May 21<sup>st</sup>. Hot asphalt tonnage used was 7,499 tons of Type 3 binder and 2,784 tons of type 6F top at a total paving cost of \$640,018. Blades moved from the Turnpike to Ridge Rd and started paving there on June 3<sup>rd</sup> and again due to several rain days they finished on June 30<sup>th</sup>. Hot asphalt tonnage used was 10,751 tons of Type 3 binder and 4,222 tons of type 6F top at a total paving cost of \$923,328. County forces followed up with shoulder installations using the millings from those roads. They also completed driveway match-ins and touch-up landscaping. Pipe crew worked on culvert replacements on County House Rd. Guyanoga Rd (6.76 mi.) was surface treated June 26<sup>th</sup> using HFMS-2ST oil from Suit-Kote (competitive bid) at a cost of \$92,989 for the oil, chipper and roller rental. Mowing began on May 8<sup>th</sup> with County forces due to three temporary summer help positions being eliminated by the Legislature during 2013 Budget development process. Various roads including Ferguson Corners #2, Ferguson Corners #4, Voak, Plum Point, North Main, Dundee-Lakemont and Himrod Rd. between Leach Rd and Rice Rd. were crack sealed in June by Suit-Kote.

## **July - September**

Various maintenance activities were completed in July, August and September. 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 grader patched included: Ridge, Dunton, Italy Hill, Italy-Friend, Dundee-Glenora and Rock Stream. The culvert replacement crew replaced a culvert pipe on County House Rd. near Willet Rd in July causing the road to be closed for one week while the pipe was replaced, backfilled, guiderail installed and paved. In mid-August County House Rd. was shut down completely just east of County House Woods Rd. while crews cut down a slight hill east of County House Woods Rd. to improve sight distance and allow the intersection at County House Woods road to be visible for westbound traffic on County House Rd. A new gravel base was installed and paved. 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. Asphalt patching was done at the Finger Lakes Economic Development parking lot and one crew built a retaining wall behind the Public Safety Building to allow better access to part of the building by Buildings & Grounds employees.

## **October – December**

Shoulders were installed for several Towns with the County's road widener and an operator. Low shoulders were repaired on all roads that were grader patched. The culvert crew replaced a large culvert on City Hill Rd. in October while other crews worked on a variety of maintenance projects. One crew made repairs to the Highway Dept. entrance driveway apron. Shoulders on Italy Hill and Italy Valley Rd. were repaired. Sight distance and drainage improvements were made at the intersection of Dundee-Starkey and Lakemont-Himrod Rds. One last round of hydro-seeding took place on 10/24/13 to cover up exposed areas. Other miscellaneous maintenance projects were completed including tree trimming, shoulder and guiderail repairs, driveway installations and mowing behind guiderail sections with the boom mower.

## **EQUIPMENT**

### **Vehicles/Equipment Purchased**

2014 Mack GU713 with snow & ice equipment for \$197,958

2008 Freightliner for \$16,250

Total Purchases = \$214,208

## **ROAD WORK – CAPITAL**

CR#9, Ridge Road (3.89 mi.): Villager Construction, Inc. cold milled 51,684 square yards of pavement from CR#1, Himrod Rd. to a point just south of Nutt Rd. in mid-May at a cost of \$44,448 (\$11,426/mile). A.L Blades (dba Dolomite) placed Hot-Mix Asphalt as follows: 10,751 tons of Type 3 binder at a 4" depth and 4,222 tons of Type 6F top at a 1.5" depth. The total cost of asphalt paving was \$921,579 (\$236,910 per mile). Oil index escalation costs accounted for \$9,025 (0.9%) 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.

### **CR#34, Italy Turnpike (2.33 mi.)**

Midland Asphalt Materials, Inc. cold milled 31,127 square yards of pavement from Italy Valley Rd. to a point 0.75 miles west of Italy Hill Rd. in early May at a cost of \$27,392 (\$11,756 per mile). A.L Blades (dba Dolomite) placed Hot-Mix Asphalt as follows: 7,499 tons of Type 3 binder and 2,784 tons of Type 6F top. The total cost of asphalt paving was \$192,939 (\$260,514 per mile). Oil index escalation costs accounted for \$3,440 (1.8%) 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.



CR#34, Italy Turnpike

A total of 25,257 tons of hot-mix asphalt was used for the two capital improvement projects.

CR#24, County House Rd. (6.26 mi.)

In preparation for a 2104 capital improvement paving project, CR#24, (County House Road) was closed for three weeks for a safety improvement project to increase safe sight and stopping distances at the formerly blind intersection with County House Woods Rd. Upon completion of tree removal and earthwork excavation of up to 5' deep, the sight distance was increased by better than 45% as a result of this work. Upon completion of the earthwork and base preparation, Ontario County Public Works Dept. provided a paver and paving crew to install a hot mix asphalt pavement.



County House Rd. Westbound before excavation



County House westbound after excavation

## **ROAD WORK – MAINTENANCE**

Crack sealing was done on various roads as stated above in the April –June narrative at a vendor cost of \$35,757.

### **Surface treating was completed on:**

Guyanoga Rd. (6.76 mi.) from CR#32, Italy Hill Rd. to NYSR 364. Vendor (Suit-Kote) costs for oil, chipper and roller rental was of \$92,989 (\$13,756/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.



Grader patching

## **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 design work and Yates County Highway Supt. completed Right-of-Way acquisition work including getting title searches and appraisals done along with getting temporary and permanent easements signed upon payment to the land owners.

## **MISCELLANEOUS**

MVA fatalities – two at the intersection of CR#27, Voak Rd. and CR#4, Ferguson-Corners Rd. on 8/17/13

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. Results of all tests were negative.

There were 68 dead deer carcasses removed from County roads.