

2010 ANNUAL REPORT

Department: Highway

Department Head: Dave Hartman

Departmental Employees: 28

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.



County Road #14, Havens Corners Road

January - March

Plow trucks were out 16 days in January, 19 days in February and 1 day in March. 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 March. Employees received refresher training on Hazard Communications/Right-to-Know, Personal Protective Equipment, Lockout/Tag Out procedures, Forklift Operation & Safety and Trench Safety. February and March brought somewhat milder temperatures and crews were able to regularly get back out to do ditch cleaning and tree & brush trimming on various roads as weather permitted.

April - July

Early April brought above normal temperatures and relatively mild weather. Crews continued ditch cleaning and back slope earthwork on Havens Corners and Pre-Emption Roads in anticipation of capital improvement paving later in the season. Various roadside shoulders were repaired to correct problems (gouges) caused by winter plowing. Trees were trimmed on several roads and the roads scheduled for surface treatment (oil & stone) later in the season (Vine Valley, Pierce Hill and Lovejoy) were prepared by cleaning out ditches, repairing & patching bad spots and completing shoulder in-fills. All exposed roadside ditches and backslopes were hydro-seeded. American Reinvestment & Recovery Act paving was completed on Italy Hill Rd. between Branchport and Darbys Corners Rd. between May 13th and May 19th at a 100% Federal reimbursed cost of \$182,999.

Midland Asphalt (competitive bid) completed cold milling of pavement on CR#14, (Havens Corners Rd.) between May 3rd and May 6th. Chemung Contracting (competitive bid) placed hot mix asphalt Type 3 binder only on CR#14 between May 10th and May 20th. Yates County forces followed up after the contract paving was completed with shoulder installations using the millings from Havens Corners Road. No final wearing course pavement was placed at that time due to the lack of an adopted State budget that includes the CHIP's (Consolidated Highway Improvement Program) appropriations. The CHIP's money (\$970,883 for Yates Co.) was approved by the State legislature and signed by Gov. Paterson in June.

Midland Asphalt was immediately contacted and came back on June 22nd and 23rd and cold milled 2.0 miles of Pre-Emption Rd. beginning at the Ontario County line and heading south. Chemung Contracting completed hot mix asphalt paving on Pre-Emption Rd. between July 12th and July 19th. Chemung Contracting completed the Type 6F top course on Havens Corners Rd. between July 21st and July 26th. Surface treating on Vine Valley Rd., Pierce Hill Rd. and Lovejoy Rd. was completed by Suit-Kote (competitive bid). The total per mile cost for contracted labor and materials (oil, chipper & roller rental) to complete 9.64 miles of surface treating was \$9,795 per mile. Total cost including County labor, material and equipment plus contractor costs was \$15,019 per mile. Suit-Kote (NYS OGS state bid) also did minor crack sealing (CR2 and CR18) on June 8th. Surface treating and crack sealing was delayed one day due to rain storms on June 7th.

Highway Dept. crews worked on shoulder installations and driveway match-ins after paving. Other crews worked on various maintenance projects including ditch cleaning, tree and brush removal, mowing ditches and sign installation and maintenance. The Tri-County (Yates, Steuben, Schuyler) striping truck completed lane striping on all roads except CR14, 15, 7, 34 & 12 in June.

August - September

Various maintenance activities were completed in July, August and September. Activities included drainage and pavement repairs at the intersection of Flynn & Leach Rds. Low shoulder in-fills were completed on Bellona Station, Six Corners, Bath, Italy Turnpike, Shay, Porters Corners and Hobson Roads using millings from CR14 & CR15 cold milling. Trees and brush were cut or trimmed on Flynn, Italy Valley, County House, City Hill, Guyanoga and Shay Roads. Grader patching was completed to infill ruts and correct other surface defects on Flynn, Dunton & Leach Roads and the Italy Turnpike. Ditch cleaning occurred on Earls Hill, Italy Turnpike and Italy Friend Roads. Shoulders were installed for several Towns with the County's road widener and an operator. In mid-September, Highway Maintenance Supervisor Lance Yonge and Heavy Equipment Operator Charles Bishop assisted the Village of Penn Yan on Elm Street between Main St. and Benham 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 Babcock Enterprises of Dansville, NY. One Highway crew excavated and repaired a persistent source of gravel washout and ditch in-filling near the church and the Italy Highway barns. The gravel deposits that had previously washed out from the Italy Highway Dept. property and were deposited along the south side of the church and into the ditch on Italy Valley Rd. were removed. The area between the church and the Highway Dept. driveway was boxed out and millings installed and compacted. The old thin asphalt gutter/ditch north of the church was excavated and replaced with a more substantial asphalt base and the ditches to the immediate north were cleaned out. A drainage problem at the south end of CR21, West Lake Road was repaired and an asphalt gutter installed to keep water from flowing onto private property.



September 2010

East Elm Street reconstruction & shared services project with Village of Penn Yan

October – December

Repairs to the fuel island concrete and metal retainer at Benton facility were completed. Italy Turnpike shoulders at guiderail sections were excavated and in-filled with compacted millings to prevent further erosion of the shoulders. Shoulder and road edge stabilization was completed with gabion baskets and additional fill near the east end of Second Milo Rd. The hardwood deck at the west end bridge into the old Penn Yan Marine property needed to be replaced and one crew completed the work and also re-built the cribbing supports under the existing bridge beams. Nuisance beavers on Italy Valley Road had constructed dams and water was being retained and directed to the edge of the road. NYSDEC was contacted and permission was granted to enter the property to mitigate the problem upon owner approval. The problem was mitigated on November 2, 2010. Various bridge maintenance projects were completed in October and November. Work included stream alignment corrections, scour protection rock installation, removal of material from under approach rails, gravel aggradation removals and through bolt replacements on a timber bridge. A shoulder and road edge stabilization and widening project near the east end of Second Milo Rd. was completed. Crews removed the existing shoulder material, installed a gabion basket support base and placed compacted fill on top of the baskets, installed new shoulders and box beam rails. Several ditch cleaning and tree and brush removal projects on various roads were also completed. Snow fence was installed at various locations along several roads. One crew began capital improvement ditch cleaning and culvert pipe extension work in Keuka Park on Assembly Ave. and Central Ave. On Ridge Rd. north of the Keuka Lake outlet, a sight distance improvement project was also started and completed. Work involved removal of a large quantity of earth at the top of the hill in order to allow motorists to see better around the sharp 90 degree curve. The old automatic transfer switch for the emergency generator at the Benton facility was replaced, tested and inspected in early December. County snow plow trucks were out a total of fifteen (15) days in December



CR#30, Second Milo Road shoulder & road edge stabilization project, November 2010

EQUIPMENT

Total Purchases cost \$224,474.04 (all purchases from NYS Office of General Services state bid)

2010 Case 821E Loader for \$169,629.04

2010 Ford F150XL for \$23,418

Morbark B18R brush chipper for \$31,700

Total sales: \$45,050 - Auctions International, Inc. online service used for the first time.

1994 Case 821B loader for \$31,600

2000 Bandit XP280 brush chipper for 5,850

2001 Ford F550 utility truck for \$7,600

ROAD WORK – CAPITAL PROJECTS

CR#14, Havens Corners Road (5.33 mi.): Midland Asphalt Materials, Inc. cold milled 68,519 square yards of pavement from Maiden Lane to Ridge Rd. in early May at a cost of \$90,763 (\$17,028/mile) including County labor, material and equipment costs for traffic control and trucking. Chemung Contracting placed Hot-Mix Asphalt as follows: 15,784 tons of Type 3 binder at a 4” depth and 5,768 tons of Type 6F top at a 1.5” depth. The total cost of CR14 asphalt paving in 2010 was \$1,185,596 (\$222,438 per mile). Oil price escalation adjustments cost an extra \$111,335. Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. The total 3 year project cost including all County labor, materials, and equipment plus contractor costs for the entire 6.88 mile length was \$2,146,840 (\$312,041 per mile).

CR#15, Pre-Emption Road (2.0 mi.): Midland Asphalt Materials, Inc. cold milled 26,002 square yards of pavement from the Ontario Co. line to a point 2.0 miles north of the county line in late June at a cost of \$45,739 (\$22,870 per mile) including County forces labor, material and equipment costs for traffic control and trucking. Chemung Contracting placed Hot-Mix Asphalt as follows: 7,045 tons of Type 3 binder at a 4” depth and 2,650 tons of Type 6F top at a 1.5” depth. The total cost of CR15 asphalt paving in 2010 was \$528,570 (\$264,285 per mile). Oil price escalation adjustments cost an extra \$39,176. 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 2009 is \$1,038,462.



August 2010

CR#15, Pre-Emption Rd. – new sidewalk in Bellona to adjust for new road grades

A total of 31,247 tons of hot-mix asphalt was used for the two capital improvement projects.

ROAD WORK – MAINTENANCE TREATMENTS

Surface treating on North Vine Valley, Pierce Hill & Lovejoy Roads was completed by Suit-Kote (competitive bid). The total cost for Suit-Kote contracted labor, equipment and materials (oil, chipper & roller rental) to complete 9.64 miles of surface treating was \$97,419. Suit-Kote (NYS OGS state bid) also did minor crack sealing (CR2 and CR18) on June 8th. The contractor cost to crack seal those roads was \$5,718. Surface treating and crack sealing was delayed one day due to rain storms on June 7th.

Surface treating was completed on 9.64 miles of roads:

All 3.7 miles of N. Vine Valley & Pierce Hill Roads from NYS Rte. 245 to Canandaigua Lake

All 5.7 miles of Lovejoy Rd. from CR#2 to CR#22

The total cost to surface treat 9.4 miles of roads including all County labor, materials, and equipment plus contractor costs was \$141,177 (\$14,645) per mile.

ROAD WORK – MAINTENANCE continued

Traffic control signs were replaced and maintained as required on various roads. New sign making system was utilized and numerous signs were made throughout the year and during December getting ready for the 2011 roads scheduled for sign replacements.

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

BRIDGES & CULVERTS

Various bridge maintenance activities were completed on several bridges. Activities included debris and aggradation 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.

Fox's Mill Bridge – Fisher Associates completed Final Design and NYSDOT gave Construction Phase Authorization to seek and award bids. The project was advertised and bids were received and publicly opened on December 2nd. Eight bidders submitted bids and the project was awarded to Crane-Hogan Structural Systems, Inc. of Spencerport, NY with a low bid of \$619,991.96 upon bid review and approval by Fisher Associates and NYSDOT.

MISCELLANEOUS

Dead deer removals: There were 66 dead deer carcasses removed from County roads (20 less than 2009) by contract (\$29 per deer)

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

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