

2011 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 nineteen (19) days in January. 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. February brought more snow and cold temperatures with the exception of a couple days of warming on the 17th and 18th. The temperatures reached the mid 50's and there were numerous areas throughout the County where shoulder washouts occurred due to ditches being full of snow and nowhere for the water to go. Plow trucks were out 19 days in January, 18 days in February and 6 days in March. Crews continued work on tree & brush trimming and ditch cleaning on various roads as weather permitted.

April - June

April brought almost daily rain showers but crews were able to continue ditch cleaning on various roads throughout April and into May including CR1s, 22, 23, 29, 31, and 32. Various roadside shoulders were repaired to correct problems (gouges) caused by winter plowing. Tree and brush removals were also completed on several roads. Heavy rainfall on April 27th caused significant damage to the south side shoulders and driveways along the Italy Turnpike. One 24" diameter pipe plugged up with debris causing the overflow to washout several driveways and run down the shoulder causing several areas to washout all shoulder materials and driveways. Crews responded on the 28th to rapidly re-establish driveways and place new shoulder material.



Italy Turnpike flooding in April 2011

Several other roads including County House, Vine Valley, East Lake, Earls Hill, Ridge and Pre-Emption were also affected to a lesser degree and had areas where the shoulders and driveways partially washed out. All exposed roadside ditches and backslopes were hydro-seeded. One crew finished ditch and back slope work in Keuka Park on Assembly Ave. and installed under-drain tiles and outlets in the area east of Skyline Drive intersection to relieve trapped water in the sub-grade and another crew completed minor ditch repair work on Pre-Emption before both Capital projects began. One crew corrected a drainage problem on West Lake Rd. that had been causing water to run off onto private property instead of into the existing drainage system.

Killian Construction completed the cold milling of pavement on CR#15 (Pre-Emption Rd.) from Loree Rd. to Rte. 54 on May 2nd and 3rd. Villager Construction completed the cold milling of 0.7 miles of pavement on Assembly Ave. between the post office and Rte. 54A on May 6th. Hanson Construction came in on May 24th and 25th and placed 4” of hot mix asphalt Type 3 binder and 1.5” Type 6F top on Assembly Ave. from the post office to Rte. 54A. Total cost for contracted work (milling and paving) on Assembly Ave. was \$156,318 (\$233,310/mile). Yates County forces followed up after the contract paving was completed with shoulder installations using the millings from Assembly Ave.

Hanson Construction began hot mix asphalt paving on Pre-Emption Rd. on May 26th and finished on June 20th. 4” of Type 3 binder and 1.5” Type 6F top on from Loree Rd. to Rte. 54. Yates County forces followed up after the contract paving was completed with shoulder installations using the millings from Assembly Ave. Total cost for contracted work (milling and paving) on Pre-Emption Rd. this year was \$1,412,283 (\$307,018/mile).

Surface treating on Chubb Hollow Rd., Italy Valley Rd. and Sherman Hollow Rd. was delayed until 2012 due to budget constraints. 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 14 roads that needed to be grader patched with hot mix asphalt. Various roads were crack sealed in June by Suit-Kote including Earls Hill, Bellona Station, Ferguson Corners #2, Ferguson Corners #4, Italy Valley (CR34 to Ontario line), Sherman Hollow and Guyanoga Roads.

July - September

In early July, a crew was sent to the Linden St. parking lot at the Public Safety Bldg. to clear trees, level the ground, and install a gravel base for additional parking space. Various maintenance activities were completed in July, August and September. Activities included low shoulder in-fills and ditch cleaning on various roads as needed. Several large areas of damaged pavement due to frost heave on Shay Road were boxed-out and repaved in July. Grader patching was done on many roads to infill slight depressions and to bridge over areas of surface cracking and distress. Roads that were patched included Flynn, Shay, City Hill, Anthony, Ridge, Rock Stream, Glenora and Second Milo. The culvert crew began drainage and culvert replacement work on Himrod Road between Leach Rd. and the Penn Yan Village line. High spots in the pavement on West Lake Rd. were milled down to reduce the potential for snowplow impact damage. Shoulders were cut on the Italy Turnpike, Italy Hill and Italy Valley Roads. Grader patching was completed to infill ruts and correct other surface defects on the Italy Turnpike and Flynn, City Hill, Glenora, Anthony, Rock Stream and Shay Roads. Shoulders were installed for several Towns with the County’s road widener and an operator. In late July, Highway Maintenance Supervisor Lance Yonge and Heavy Equipment Operator Charles Bishop assisted the Village of Penn Yan on Elm Street between Benham St. and Hamilton 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. The Tri-County (Yates, Steuben, Schuyler) striping truck completed lane striping on the roads that were grader patched with hot mix asphalt. One crew excavated and repaired several areas on Shay Rd. that heaved significantly during the past winter and spring. The areas were boxed out and new stone base material was installed and compacted. Hot asphalt paving patches were installed over the new base material.

October – December

Good weather allowed the culvert crew on Himrod Rd. to continue capital project preparation work on culvert replacements and drainage improvements. All 2012 Capital project preparation work on culverts and earthwork was completed in November. Tee fittings and pipe risers with catch basin tops were installed in several locations that allowed deep holes at several cross pipe inlets and outlets to be backfilled up to grade and guiderail sections to be removed. Continued ditch cleaning on various roads and some light tree trimming and brush clearing.



Tandem truck building roof replacement project October 2011

EQUIPMENT

Vehicles and Equipment Purchased

- (2) Smith auger drive stainless steel sanders for \$25,448
- (1) Ford F450 pickup truck w/plow & 8' sander for \$44,855

Total Purchases = \$70,303

Vehicles and Equipment Sold

- 1999 Ford F550 XL for \$9,800
- 1994 Air-Flo stainless steel sander for \$830
- 1993 Air-Flo stainless steel sander for \$3,500
- 1990 Air-Flo stainless steel sander for \$3,200

Total Sales: \$17,330

ROAD WORK – CAPITAL

CR#15, Pre-Emption Road (4.61 mi.): Killian Construction, Inc. cold milled 76,029 square yards of pavement from NYSR 54 to a point 2.0 miles south of the county line on May 2-3 at a cost of \$54,881. Total cost for milling including County labor, material and equipment costs for traffic control and trucking was \$45,739. Hanson Aggregates placed Hot-Mix Asphalt as follows: 16,925 tons of Type 3 binder at a 4” depth and 6,489 tons of Type 6F top at a 1.5” depth. The total cost of CR15 asphalt paving including asphalt oil price escalation in 2011 was \$1,357,402 (\$294,447 per centerline mile). The oil price escalation cost was \$128,413. Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. The total CR15 project cost including all preparation and paving work done in 2009 2010 and 2011 was \$2,568,803 (\$388,624/centerline mile).



Cold Milling north of Havens Corners



Hot asphalt paving south of Havens Corners Rd.

CR#25, Assembly Avenue (0.67 mi.): Villager Construction cold milled 8,083 square yards of pavement from Rte. 54A to the intersection of East Bluff drive in Keuka Park on May 9th at a cost of \$8,164 (\$12,185 per mile). Hanson Aggregates placed Hot-Mix Asphalt as follows: 1,758 tons of Type 3 binder at a 4” depth and 717 tons of Type 6F top at a 1.5” depth. The total cost of asphalt paving including asphalt oil price escalation was \$148,154 (\$221,125 per mile). The oil price escalation cost was \$11,290. Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by the Tri-County striping truck. The total Assembly Avenue project cost including all preparation work done in 2010 was \$264,037 (\$394,085 per centerline mile).

A total of 25,889 tons of hot-mix asphalt was used for the two capital improvement projects.

ROAD WORK – MAINTENANCE

Crack sealing was done on various roads as needed May 21st, June 30th and August 26th. Roads that were sealed included Ferguson Corners #2 and #4, Earls Hill, Bellona Station, Chubb Hollow, Italy valley (CR34 to Ontario line), East Sherman Hollow and Guyanoga. The cost to crack seal these roads including county labor and equipment for traffic control totaled \$76,813

No new surface treating was done in 2011. Several roads were scheduled to be done and should have been surface treated but were not due to budgetary constraints. Suit Kote did re-do a short section in one lane at the south end of Lovejoy Rd. to replace oil and stone that was largely scraped off during winter.

Various maintenance projects including ditch cleaning, shoulder repairs, mowing roadsides and grader patching were completed on various roads. Grader patching was completed on sections of Lakemont-Himrod, Anthony, Flynn, Ridge, Chubb Hollow, Italy Valley, East Sherman Hollow, City Hill, Second Milo Italy Hill, Italy Friend, East Lake, Dundee-Glenora and Rock Stream 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.

Fox's Mill Bridge – Crane Hogan, Inc. of Spencerport, NY completed replacement of the Fox's Mill Bridge at a total construction cost of \$583,229 which was \$33,971 less than the bid price. Fisher Associates provided construction inspection services.



North Abutment concrete 7/19/11



First pre-cast beam 8/3/11

MISCELLANEOUS

There were 90 dead deer carcasses removed from County roads

Landfill: Grass was mowed twice per the landfill closure manual guidelines and several depressions in the NE quadrant and west of the driveway to the S20 pump station were in-filled with soil and seeded to prevent standing water from building up.

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.

Fatal MVA's: There was one fatal motor vehicle accident on Pre-Emption Rd. in July with a total of six people killed as a result of the accident.