

2007 ANNUAL REPORT



Department: Highway

Department Head: David Hartman

Departmental Employees: 29

Department Mission: The Yates County Highway Department is responsible for the 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 or capital replacement projects. The Department also provides snow and ice control services as needed.

January-March

The year began with above average temperatures across the region northeast and very little snow throughout the first half of January. On January 14th and 15th the entire Finger Lakes region was the target of a winter storm event that stretched from Texas to New York. Freezing rain mixed with sleet and snow began on the 14th and continued through the 15th causing roads to become very slippery. Crews worked on cleaning ditches, cutting trees and brush, equipment maintenance and several safety and training sessions were held the first week of February. Prep work on CR#42, Dundee-Lakemont Rd was completed. Creek gravel was cleaned out of the Hilton bridge creek on Italy Valley Rd. and hauled to Guyanoga for future use. Crews were out a total of 22 days in January for snow & ice control operations. The first major storm of the season in our area hit on February 13th and 14th. The storm dumped between 12 to 20 inches of snow across the western Finger Lakes region. A Travel Advisory was issued by Sheriff Ron Spike on February 14th due to blowing and drifting snow. February had many days of minimal snowfall events but enough accumulation to require trucks to go out 25 of 28 days. March saw more small snow events and a Travel Advisory was issued on March 5th due to blowing and drifting snow and poor visibility. Crews responded to various locations around the County to minimize and repair damage caused by steady rain and melting snow during the week of March 19th. One culvert on Dundee-Himrod Rd. was overwhelmed with water and caused part of the north bound lane to wash out. The culvert was replaced with a larger 72" diameter pipe.

April-June

Crews started preparation work on CR#5, Dundee-Himrod Capital Improvement project for 2008. Pipe crew began culvert replacements and one crew began tree and brush removals where necessary. A late season storm brought up to ten inches of wet, heavy snow on April 16th. Crews continued culvert replacements and asphalt patches at the culvert replacements through April and May on Dundee-Himrod Rd. CR#42, Dundee-Lakemont Rd. was paved with hot mix asphalt between May 1st and May 3rd.



CR#5, Dundee-Himrod Road: 60" culvert installation

Cold-in-place recycling of CR#4, Ferguson Corners Rd. by Suit-Kote started on May 7th and was completed on May 14th. The recycle crew moved to CR#2, Ferguson Corners Rd. and recycled a short section from Tomion Rd. to Ontario County on May 15th. Crushed millings shoulder material was placed on CR#42 on May 14th and 15th. Shoulders were replaced and in-filled on Six Corners, Hobson, Italy Hill and Italy-Friend roads in preparation for surface treating. Crack sealers (Suit-Kote by OGS State Bid) sealed cracks on the same roads. All shoulder work on above named roads and CR#4 cold recycle course were done between May 21st and May 31st. Surface treating was done on Six Corners, Hobson, Italy-Friend and Italy Hill between Darby's Corners and Steuben line between June 6th and June 11th. A.L Blades installed the hot mix asphalt paving on CR#2 and 4 by June 15th and final shoulder material and driveway match-ins installed by County forces by the end of June. Zebra Striping began lane striping the week of June 18th. All newly paved roads and surface treated roads were striped by the end of June. Pipe crew completed installation of all pipes on Dundee-Himrod Road by the end of June.

July-September

Crews continued earthwork on Dundee-Himrod Rd and Dundee-Starkey Rd. doing ditch cleaning, cutting back slopes and hydro-seeding exposed areas. All earthwork on those two roads was completed in mid September. and Grader-patched and boxed out and re-paved several roads to correct various surface defects that included rutting, cracking, broken edges and shoving. Roads that were grader-patched included Dunton, Second Milo, Himrod, Friend, and Havens Corners. Second Milo Road also received a one inch hot mix asphalt overlay and new shoulders were installed. The pipe crew repaired/re-faced some surface defects on the concrete headwalls and wing walls with new concrete at an arch pipe on Chubb Hollow Road then moved to Anthony Road in mid September to begin culvert replacements for future capital improvement project. Various roads, including Himrod, Chubb Hollow, Ridge, Vine Valley, Pre-Emption, and Shay received shoulder material in-fills to correct some low shoulder areas and the shoulders were cut on several roads to provide proper drainage off the pavements. Several bridge maintenance projects began in late September to improve condition ratings at the time of the next inspections.

October-December

In October, one crew did a major re-organization of the Benton yard material storage areas and performed a general clean-up of the site. Guiderail and pipe materials were relocated to allow more room for aggregate storage. The earthwork crew moved to Plum Point Road to begin earthwork. CR#17, (Bath Road) between Rt. 54 and Sisson Rd. was crack sealed in early October in preparation for surface treating to be done in 2008. Continued various bridge maintenance projects that included bearing plate and grout pad replacements, stream cleaning, aggradation removal under bridge approach rails and approach paving. The pipe crew completed all culvert replacements on CR#3, Anthony Rd. A 36" concrete culvert pipe on Dunton Rd. failed along the shoulder area and was replaced with new 36" poly pipe. Earthwork on Anthony Rd. continued through Nov-Dec. by the pipe crew. There were 4 days of snow & ice removal operations in November. December 1st and 2nd brought an early season snow storm that had highway crews throughout the County on snow and ice removal operations. There were 18 days of snow & ice removal operations in December. One crew moved to Darby's Corners Rd. in mid December to begin earthwork operations including ditch cleaning and cutting back-slopes down to minimize areas prone to snow drifting.

PERSONNEL

The permanent work force:	Superintendent	1
	Deputy Superintendent	1
	Highway Maintenance Foreman	1
	Administrative Assistant	1
	Sr. Account Clerk Typist	1
	Working Supervisors	4
	Automotive Mechanic Supervisor	1
	Sr. Automotive Mechanic	1
	Automotive Mechanic	2
	Sign Maintenance Workers	2
	Heavy Equipment Operator	7
	Motor Equipment Operator/Light	7
	Total Employees	29

Temporary summer employees included five laborers. Three of the five were done by the last week in August and the two mowers remained until mid October.

EQUIPMENT

Vehicles/Equipment Purchased

- 2007 Volvo EW160C rubber tired excavator with buckets, thumb and extended warranty for \$173,712
- 2007 International tandem axle truck for \$169,755
- 2008 Ford F250 to replace truck #10 (Motor Vehicle Accident) = \$22,780 (\$15,283 from Insurance Reserve)

Truck #10 was destroyed in a motor vehicle accident when it was struck from behind while stopped in the northbound lane of Rt. 14A waiting to turn left onto CR#2. Both County employees in the vehicle were shaken up and bruised but were not seriously injured.

Total Purchases = \$366,247

Equipment Sold

1998 Samsung 210LC Rubber tired for \$25,500

Total Net Sales after commission: \$22,950

BUILDINGS & GROUNDS

The Public Works Committee authorized a building condition and spatial needs assessment study of the highway facilities in Benton. Requests for Proposals were sent out and Bergmann Associates of Rochester, NY was selected to perform the study. Bergmann completed the assessment and staff interviews and began working on the draft report and conceptual recommendations.

Several maintenance and repair improvement were done on the various buildings in Benton including removal of trees and brush along the south side of the tandem axle truck storage building, additional lighting under the cold storage lean-to building and a new built-up roof was installed on the steel, cold storage building at the far west end of the site.

ROAD WORK – CAPITAL

CR#2, Ferguson Corners Road (2.73 mi.): Cold-in-Place Recycling (3.5” deep) of 3,040 feet of pavement from the Ontario County line eastward was done by Suit-Kote in mid May. A.L. Blades & Sons placed a 1.5” Type 6F Hot-Mix Asphalt top course over a true & leveling course on the entire length at a total cost of \$299,269. The total tonnage of hot mix asphalt was 6,639 tons. Oil price de-escalation adjustments saved a total of \$30,580. Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by Zebra Striping. The total project cost including all prep work done in 2006 was \$652,697 (\$239,083 per C/L mile).



CR#2, Ferguson Corners Road between CR#4 and Tomion Road

CR#4, Ferguson Corners Road (6.11 mi.): Cold-in-Place Recycling (4” deep) of the existing pavement was done by Suit-Kote in mid May at a cost of \$228,137. In early June, A.L. Blades & Sons placed a 1.5” Type 6F Hot-Mix Asphalt top course over a true & leveling course at a cost of \$590,746. The total tonnage of hot mix asphalt was 12,962 tons. Oil price de-escalation adjustments saved a total of \$53,195. Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by Zebra Striping. The total project cost including all prep work done in 2006 was \$1,014,829 (\$166,093 per C/L mile).



CR#4, Ferguson Corners Road: Cold-in-Place Recycling looking west from East Swamp Road



CR#4, Ferguson Corners Road: new shoulder installation between CR#2 and CR#27



CR#4, Ferguson Corners Road looking east across the muck

CR#42, Dundee-Lakemont Road (1.96 mi.)

A.L. Blades & Sons placed a 1.5" Type 6F Hot-Mix Asphalt top course over a true & leveling course at a total cost of \$210,217. The total tonnage of hot mix asphalt was 4,529 tons. Oil price de-escalation adjustments saved a total of \$21,556. Shoulders, signs and hydro-seeding were done by YCHD forces and lane striping was done by Zebra Striping. The total project cost including all prep work done in 2006 was \$369,242 (\$188,389 per C/L mile).

Capital Improvement mileage increased by 46% from 7.4 miles in 2006 to 10.8 miles in 2007. The increase in mileage completed was due mainly to lower asphalt prices than in 2006.

A total of 24,130 tons of hot-mix asphalt was used for the three capital improvement projects.

ROAD WORK – MAINTENANCE

Crack sealing was done on various roads as needed in May and again in October. Roads that were sealed included Six Corners, Bath, Hobson, Italy Hill and Italy-Friend

Surface treating was done on Six Corners Rd. for \$26,813 (\$9,151/mile), Italy Hill Rd. for \$63,100 (\$13,426/mile) and Italy-Friend Rd. for \$27,470 (\$13,599/mile) and Hobson Rd. for \$11,755 (\$10,686/mile).

The higher per mile cost for Italy Hill and Italy-Friend is due to surface treating the shoulders as well as the main-line.

Second Milo Rd. also received a 1” maintenance overlay from Chubb Hollow Rd. to Bath Rd. after County crews grader patched several ruts and depressions. A.L. Blades completed the hot mix asphalt paving and shoulders were installed by County forces. Lane striping was completed by Zebra Striping. The total cost of this maintenance project was \$213,104

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

BRIDGES & CULVERTS

Coleman Rd. Bridge (Locally Administered Federal Aid Project) replacement work was completed by Silverline Construction of Burdett, NY. The final project cost was \$538,757.



Coleman Rd. Bridge – Demolition of Existing Structure (4/3/07)



Coleman Rd. Bridge East Abutment Concrete Work – Grinding Form Seams (6/25/07)



Coleman Rd. Bridge West Abutment Concrete Formwork (6/30/07)



Coleman Rd. Bridge Concrete Deck Pour (July 2007)



Coleman Rd. Bridge (8/13/07)

All bridge beam bearing plates and non-shrink grout pads were replaced on Valley View Rd., Loomis Rd. and Alexander Rd. bridges. The continued lowering of bridge condition ratings during bi-annual inspections by NYSDOT due to cracked and spalled grout pads led to the replacement project. The new grout pads should improve ratings the next time these three bridges get inspected in 2009. Removal of sediment aggradation under the approach rails of many other bridges was also completed in an effort to improve drainage and condition ratings during bi-annual inspections. Sediment aggradation removal under both Valley View Rd. and Loomis Rd. bridges was completed and stream alignment corrections were also made at Valley View. The approach pavement on both sides of Loomis Rd. was re-paved to improve drainage issues and to raise the overall condition ratings of NYSDOT future bi-annual inspections



Alexander Rd. Bridge – New Bridge Beam Bearing Plates & Non-Shrink Grout Pads (October 2007)



Valley View Rd. Bridge Stream Channel Aggradation Removal & Re-Alignment (10/17/07)



Loomis Rd. Bridge Approaches Re-Paved (October 2007)

MISCELLANEOUS

There were 89 dead deer carcasses removed from County roads.

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

Drug & Alcohol testing: Sixteen (16) random tests were conducted by Soldiers & Sailors Memorial Hospital lab personnel with 13 being for substance and 3 for alcohol.

Results of all tests were negative.

There was one fatal Motor Vehicle Accident that occurred on County Road#22, East Sherman Hollow Road.