

## **PUBLIC WORKS, ENGINEERING AND WASTEWATER TREATMENT**

### **WASTEWATER TREATMENT FACILITY**



-The Wastewater Treatment Facility treated 800 million gallons of sanitary sewer flow and 235,285 gallons of septage waste during the fiscal year. 1,482 tons of municipal sludge were generated at the Wastewater Treatment Facility and were deposited at the Mt. Carberry Landfill.

-The Wastewater Treatment Facility removed 94% of BOD (Biochemical Oxygen Demand) and 96% of TSS (Total Suspended Solids).

-Phase II upgrade to the Waste Water treatment is in progress with (Wright-Pierce) the Engineering Consultants looking at what will be needed to incorporate the New Federal Prison into the waste water plant.

-The Waste Water has a new  $\frac{3}{4}$  Truck

-Henry Noel is the new Superintendent of the Waste Water Treatment Plant and Ted Miller has taken the Chemist position.

### **SOLID WASTE**

The East Milan Road Landfill closure was completed in October of 1996. Closure of the landfill launched the 39 year post-closure monitoring program. Groundwater quality and methane gas production was

monitored in accordance with the program.

The Cates Hill Landfill Closure is complete and post – closure monitoring has been started (groundwater quality and methane gas in accordance with the permit).

### **PUBLIC WORKS SERVICES**



The Public Works Department provides a number of services to the citizens of Berlin. They include: the maintenance of approximately 60 miles of streets and many more miles of sidewalks that need to be swept, patched and pavement overlay. We also provide snow removal, street striping, street marking, and the fabrication and installation of street and traffic signs. We construct retaining walls, install guard rails and guard fence. We provide citizens with weekly garbage removal. We maintain sewerage and storm water collection systems. We provide equipment maintenance for all of the Public Works, Fire, Recreation, Health, Police and Engineering Departments as well as the Berlin Municipal Airport. We maintain gas and fuel distribution.

We also provide 146 sand and salt barrels for winter use. The Public Works was very busy this past winter with 74 snow events. The crew salted, plowed and removed over 12 feet of snow. The total sand used was 3,210 tons and salt used was 2,372 tons

The Public Works Department periodically seals concrete sidewalks, retaining walls and bridge abutments. Members of the

Department also provided utility information and project inspection for sewer capital improvement projects.

Recycling - The Public Works Department collects paper, glass, plastics, tin, aluminum and cardboard for recycling.

We need to increase our recycling tonnage numbers up so we are asking everyone to get involved in recycling. Call the Public Works Department if you have questions 752-8551

**Transportation**

*Street Markings*

142,979 feet of yellow Center lines, 81,637 feet of white edge lines, and 8 railroad crossings were painted. The cost of this work was approximately \$8,840.51. The work included approximately 216,458 linear feet of striping and 8 railroad crossings.

Crosswalks were painted as they are every year.

*Projects Completed in the 2007/08 Season*

-Completed Mason St. Bridge Deck Repairs and Paving for \$230,000.

-Hillside Avenue Sidewalk was completed at a cost of \$170,000.

-Glen Ave from the Town line to the Cleveland was paved \$95,000.

-New Loops to control the traffic lights was also done on Glen Ave for \$6500.

-Hillside Ave from the rail road crossing north to the Dead River Bridge was paved also from the rail road crossing south to Mannering Street for \$9,200.

*Sidewalks and Curbs*-Park Street – the sidewalk on the eastside of Park Street from

Madison Avenue to Willow Street was curbed and over-laid.

WORK DESCRIPTION	INCIDENCES	QUANTITY OF MATERIAL
Frozen drain service calls	1	
Frozen trench lines	2	
Frozen catch basins	15	
Main sewer lines jet cleaned	20	
Main sewer line calls	4	
Sewer service calls	11	
Sewer services replaced	3	66' of 4" WW repairs 18
Drain service connections	2	
Main sewer lines replaced	2	139 feet
Main drain lines replaced	5	657 feet
New sewer service connections	2	790feet
Main drain lines jetted	20	On Regular Basis
Manhole frames reset	10	
Manholes rebuilt	1	Enman Hill
Manholes repaired	10	4-WW Dept.
Catch basin frames reset	10	
Catch basins repaired	20	
New catch basins installed	4	Enman Hill & Western Ave.

*Joint Projects with the Berlin Water Works*

-In a joint project with Berlin Water Works the following streets were done.

-The dead end of Mercier Street off of Pershing Avenue was redone. All the old asphalt was removed and 12 inches of new crushed gravel was installed along with 3 inches of new pavement.

-Maple Street from Main Street to the top of the hill and all of Bebee Street also received new crushed gravel and 3 inches of new pavement.

Respectfully Submitted,  
Michael Perreault  
Public Works Director