

CHARTER TOWNSHIP OF MONITOR  
SPECIAL TOWNSHIP BOARD MEETING  
SEPTEMBER 15, 2014

The Supervisor called the meeting to order at 7:00 p.m.

Members present: Brandt, Kowalski, Pike, Arnold, Kochany, Malkin, Miller  
Also Present: D. Scherzer, Township Engineer Spicer,  
J. Lillo, Bay County Road Commission, J. Anderson, BCATS

The Pledge of Allegiance was recited by all present.

The purpose of the meeting was to discuss with the Road Commission the local roads and the 2014 township road millage.

Brandt asked Lillo what it would cost to blacktop one mile of road.

Lillo responded by stating it depends on what we want to do, the current condition of the road, and if there is good base present to put the blacktop on. Is there good drainage or would drainage work also need to be done? Then add to this mix subdivision roads with curb and gutter. Again this is dependent if the road can be put in to what is there or if the curb and gutter need to be replaced.

Lillo provided initial estimates for local county roads and subdivision roads as follows:

**Local County Roads\***

Type of Hard Surface	Cost	Unit	22' W x 5280 L	Unit	Cost/Mile	For Estimating Purposes
Cement Stabilization	\$ 4.50	syd	12906.7	syd	\$ 58,080	\$ 58,000
Double Chip Seal	\$ 3.70	syd	12906.7	syd	\$ 47,755	\$ 48,000
Single Chip Seal	\$ 1.60	syd	12906.7	syd	\$ 20,651	\$ 21,000
HMA, Medium Volume Ultra-Thin*	\$ 4.00	syd	12906.7	syd	\$ 51,627	\$ 52,000
*Not Inclusive of Wedging, which is usually required to re-establish cross-slope	\$ 7.00	syd	12906.7	syd	\$ 90,347	\$ 91,000
Crush & Shape (3"-4" of Aggregate)	\$ 3.60	syd	12906.7	syd	\$ 46,464	\$ 47,000
HMA Overlay, 1.5" (1160 Ton)	\$ 6.60	syd	12906.7	syd	\$ 85,184	\$ 85,000
HMA Single Course, 2.0" (1550 Ton)	\$ 8.40	syd	12906.7	syd	\$108,416	\$ 109,000
HMA Two Lift, 3.0" (2300 Ton)	\$ 13.00	syd	12906.7	syd	\$167,787	\$ 168,000
Full Reconstruct	\$ 52.00	syd	12906.7	syd	\$671,147	\$ 675,000

**\*Notes**

1. Field Inspection by BCRC to be paid for by Township or BCRC?
2. Township to provide design, BCRC staff to review
3. Standards & Specifications to be given to BCRC for review for special applications
4. No paving unless drainage is addressed/adequate.

**Subdivisions\* & \*\***

Type of Hard Surface	Cost	Unit	22' W x 5280 L	Unit	Cost/Mile	For Estimating Purposes
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**\*\*Other Associated Items**

1. Collect baseline information on what is there and why it is failing, base design on that.
  - a. PASER Ratings
  - b. Pavement cores
2. Storm Sewer Condition
  - a. Video existing storm
  - b. Historic Flooding by BCRC Staff
  - c. Subbase underdrain??
  - d. Bay County, MI, 10-Year, 24 hr storm, 3.5ö OVER an evenly distributed bell curve!

**PUBLIC EDUCATION about STORM SEWER SYSTEMS**

3. Curb & Gutter Condition
  - a. Visually inspect
  - b. Elevation information from Mobile-Mapping or Survey
4. Sump Pump Lines
  - a. Connected to sanitary sewer? MUST disconnect
  - b. Inspect every home and have disconnected
  - c. Install sump pump header to connect sumps to
  - d. Depth of sump pump lines ó do they have a sump pump or do they have gravity drain to storm/sanitary sewer.
  - e. Flood Streets with water, not basements with sewage ó PUBLIC EDUCATION about STORM vs. SANITARY
5. Water Main condition
6. Sanitary Sewer Condition
7. Other Utilities ó condition and whether or not they need upgrading

Each of these items was discussed in depth.

Brandt stated drainage or curb & gutter work are outside the scope of the road millage and would need to be done through special assessment.

When asked, Lillo stated the Road Commission can do the regular yearly road work but they do not have the manpower to do township roads on a large scale. This work will need to be contracted out. As for inspection of road work, this can be done by the Road Commission or by the township's engineer.

It was the opinion of the Road Commission and the township's engineer to try to do all the work in two years is impractical. A better estimate would be between 3 and 5 years.

Scherzer stated if there are drain issues, the subdivision could petition the Drain Commissioner to have the work done by drain special assessment.

Kowalski stated to do all the work at once would require the issuance of bonds which involves additional costs and legal fees that would take away money from millage funds available for asphalt.

Pike left at 8:20 p.m.

What really needs to be done is an asset management plan to determine the condition of each road and the scope of work that is needed. Once this is done, we could look at the option of bonds or doing the work as millage dollars are collected. Basically determining how we are going to start and the best way to go about it.

1. Scherzer stated he could have an engineering cost proposal for the board October 27, 2014 meeting to determine the road conditions, devise a 3-5 year plan and estimate the costs for bonds vs. no bonds.
2. After we have this information the township could discuss ditch or drainage work needed with the Drain Commissioner.
3. Next would be to plan for the subdivisions; set up meetings with each of the subdivisions to discuss the status of their roads, the road work that is needed and any additional curb & gutter work or storm water drainage work that may be needed by special assessment.
4. Limit the scope to the road millage funds to not include boundary perimeter roads or roads that dead-end at the highway.

The meeting adjourned at 8:40 p.m.

Cindy L. Kowalski, Clerk

Gary A. Brandt, Supervisor