MAIDENCREEK TOWNSHIP BOARD OF SUPERVISORS

March 9, 2017

ENGINEER'S AGENDA

Subdivision Review Status Checklist

- **Next Supervisors Meeting April 9, 2017.**

Subdivision / Zoning / LDP

- **No Plans currently.**

Projects

- Zoning Ordinance
  - Zoning Ordinance & Zoning Map Final.
  - **Hearing scheduled for Mon. March 27th @ 9a.m.**

- Stormwater Projects
  - Walnut Manor Tree Dr. – No bids anticipated; recommended rebid in Jan. 2017.
  - Ina/Rt. 73 – Lindbergh/Adele – on hold.

- West Shore Drive
  - Meet with inspector for state on Tues., Aug. 23 regarding Bridge Inspection. Report.
    - Repairs are somewhat extensive; Twp. Involvement is possible
    - Three (3) 60" dia. Pipes required as alternative to existing opening. Not desirable due to maintenance.
    - Twp. to make repairs as schedule permits.

- Street Lighting
  - Investigation of light intensity ongoing; possible drone camera after leaves are off the trees.
    - Ed Kopicki received FAA permit to fly drone at night.
    - Did a test flight over Spirit Ct.; **and Ontelaunee Heights.**

- **2017 Street Project**
  - **List of proposed streets with cost estimate, copy attached.**

Subdivision Improvement LOC / Escrow Release

Sewage Enforcement Officer Activity Report

- **February Report.**

SYSTEMS DESIGN ENGINEERING, INC

Client: Maidencreek Twp.
Project No. : 17-0019-0115
Project Name: 2017 Annual Road Project

Date: 3-9-2017
Revised: _____

BUDGET CONSTRUCTION COST ESTIMATE

	Description	Units	Quantity	Unit Cost	Total
A.	**EVANSVILLE ROAD - MAIDENCREEK RD. TO 1st 90-Deg. TURN - COLD-IN-PLACE RECYCLING - 2,250 L.F.**				
1.	Cold-in-Place Recycled Base Course, 5" Depth	S.Y.	5,250	$ 8.00	$ 42,000.00
2.	Emulsified Asphalt (CSS-1h)	GAL	10,500	$ 1.80	$ 18,900.00
3.	9.5 mm Superpave Wearing Course, 1 1/2" Depth	TONS	480	$ 80.00	$ 38,400.00
4.	Road Coring and Mix Design	L.S.	1	$ 5,000.00	$ 5,000.00
5.	Y/4" C/L and W/4" Each Cartway Edge Pavement Markings	L.F.	2,230	$ 1.25	$ 2,787.50
	SUBTOTAL OF ITEM A.				**$ 107,087.50**
B.	**W. WESNER ROAD - MIDDLE OF S-CURVE NEAR STEINER PLACE TO CHESTNUT STREET - 2,700 L.F.**				
1.	Base Repair, 4" Depth (3%)	S.Y.	240	$ 40.00	$ 9,600.00
2.	Milling at Inlets and Low Side Driveways	S.Y.	190	$ 8.00	$ 1,520.00
3.	Scratch Course (90 lb/SY for 50% of Road)	TONS	180	$ 75.00	$ 13,500.00
4.	9.5 mm Superpave Wearing Course, 1 1/2" Depth	TONS	720	$ 80.00	$ 57,600.00
	SUBTOTAL OF ITEM B.				**$ 82,220.00**
C.	**SPIRIT COURT - CORNERSTONE TO CORNERSTONE - 2,340 L.F.**				
1.	Base Repair, 4" Depth (5%)	S.Y.	400	$ 40.00	$ 12,000.00
2.	Variable Depth Milling Along Curb (6' Wide)	S.Y.	3,280	$ 6.00	$ 19,680.00
3.	9.5 mm Superpave Wearing Course, 1 1/2" Depth	TONS	720	$ 80.00	$ 57,600.00
4.	DY/4" Centerline Pavement Markings	L.F.	2,200	$ 0.75	$ 1,650.00
	SUBTOTAL OF ITEM C.				**$ 90,930.00**
D.	**ADELE AVENUE - FULL LENGTH - 625 L.F.**				
1.	Base Repair, 4" Depth (8%)	S.Y.	190	$ 40.00	$ 7,600.00
2.	Scratch Course (90 lb/SY for Entire Road)	TONS	110	$ 75.00	$ 8,250.00
3.	9.5 mm Superpave Wearing Course, 1 1/2" Depth	TONS	220	$ 80.00	$ 17,600.00
	SUBTOTAL OF ITEM D.				**$ 33,450.00**
E.	**INA AVENUE - FULL LENGTH - 305 L.F.**				
1.	Base Repair, 4" Depth	S.Y.	120	$ 40.00	$ 4,800.00
2.	Scratch Course (90 lb/SY for 50% of Road)	TONS	30	$ 75.00	$ 2,250.00
3.	9.5 mm Superpave Wearing Course, 1 1/2" Depth	TONS	90	$ 80.00	$ 7,200.00
	SUBTOTAL OF ITEM E.				**$ 14,250.00**

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F.	**BLANDON AVENUE - PARK ROAD TO NEAR #112 - 310 L.F.**						
1.	Base Repair, 4" Depth (Approx.)	S.Y.	90	$	40.00	$	3,600.00
2.	9.5 mm Superpave Wearing Course, 1 1/2" Depth	TONS	80	$	80.00	$	6,400.00
	SUBTOTAL OF ITEM F.					**$**	**10,000.00**
G.	**ORCHARD ROAD - SNYDER ROAD TO BEWLEY LANE - 910 L.F. (INCL. 2' WIDENING BOTH SIDES)**						
1.	Base Repair, 4" Depth (Approx.)	S.Y.	240	$	40.00	$	9,600.00
2.	Widen 3', Both Sides (2' + Sawcut & Remove 12")	S.Y.	610	$	140.00	$	85,400.00
3.	Scratch Course (90 lb/SY for 50% of Road)	TONS	40	$	75.00	$	3,000.00
4.	9.5 mm Superpave Wearing Course, 1 1/2" Depth	TONS	220	$	80.00	$	17,600.00
5.	DY/4" Centerline Pavement Markings	L.F.	880	$	0.75	$	660.00
	SUBTOTAL OF ITEM G.					**$**	**116,260.00**
H.	**STOP BARS**	EA.	6	$	200.00	$	1,200.00
	SUBTOTAL OF ITEMS A. AND H.					**$**	**455,397.50**
	10% CONTINGENCY					**$**	**45,539.75**
	TOTAL ESTIMATED PROJECT COST					**$**	**500,937.25**

NOTE: Unit costs based on 2017 bid prices and 2016 bid prices increased by approx. 10%.

ALTERNATE CONSTRUCTION - COLD-IN-PLACE RECYCLING (IF SUFFICIENT EXIST. ASPHALT)

G.	**ORCHARD ROAD - SNYDER ROAD TO BEWLEY LANE - 910 L.F. (INCL. 2' WIDENING BOTH SIDES)**						
1.	Cold-in-Place Recycled Base Course, 5" Depth	S.Y.	2,340	$	8.00	$	18,720.00
2.	Emulsified Asphalt (CSS-1h)	GAL	4,680	$	1.80	$	8,424.00
3.	Slot Mill 2' Width Both Sides x 12" Depth	S.Y.	410	$	10.00	$	4,100.00
4.	Place 6" Compacted 2A Subbase in Slots	S.Y.	410	$	15.00	$	6,150.00
5.	9.5 mm Superpave Wearing Course, 1 1/2" Depth	TONS	220	$	80.00	$	17,600.00
6.	Road Coring and Mix Design	L.S.	1	$	5,000.00	$	5,000.00
7.	Y/4" C/L and W/4" Each Cartway Edge Pavement Markings	L.F.	880	$	0.75	$	660.00
	SUBTOTAL OF ITEM G.					**$**	**60,654.00**

MAIDENCREEK TOWNSHIP
SEO ACTIVITY REPORT
2/1/17 - 2/28/17

Date	SDE #	App. #	Applicant/Activity	Fee Paid to Date By Applicant	Billed/Paid	Chk #
February	17-0019-0300		SEO report, admin/filing.			

Cc: T. Unger 2 copies
SEO Desk