



LIVE.

WORK.

PLAY.



LIVE.

WORK.

PLAY.

# ROAD MILLAGE WORKSHOP PRESENTATION

# PROJECT BACKGROUND

1. In 2013, the Road Committee and staff commenced on a detailed road study of the local roads in Trowbridge Park and presented our findings to the Planning Commission and Township Board.
2. The Township Board directed the Road Committee and staff to expand the study to include all local roads within the Township.
3. Road Committee and staff provided a revised “order of repairs” based on PASER ratings and local factors such as Complete Streets, N/S connectors, Emergency Service Routes and School Bus routing for **ALL** local roads in the Township.

# PROJECT BACKGROUND

4. In June of 2014, the Township Board heard presentations on methodology, Asset Management Principals, *RoadSoft* and approximate schedules and costs for repair.
5. This presentation is intended to answer questions regarding:

*WHO, WHAT, WHERE, WHEN & HOW?*

# WHO?

Our partners for this project will be:

- Marquette Township Residents
- Marquette Township Staff
- Marquette County Road Commission
- Marquette County Drain Commissioner

# MARQUETTE TOWNSHIP RESIDENTS

Responsive to your input on prior community surveys, roads and transportation management have been your top-stated priorities.

Our residents have supported the last two major road millages (*with the current .85 millage expiring in 2014*) in order to improve the quality of roadways in the Township.

The proposed project is the most aggressive road reconstruction improvements in the history of Marquette County.

The achievement of your stated desires for improved roads will be a question for your decision on the November ballot.

# MARQUETTE TOWNSHIP STAFF

Marquette Township staff will administer prospective grant applications.

Staff will also provide technical assistance with financing package and assist with project design and oversight to ensure quality control and cost effectiveness.

# MARQUETTE COUNTY ROAD COMMISSION



Has offered to provide design, engineering and construction oversight; valued at between 15-20% of this project and calculated at 17.5% for this project cost estimation



# COUNTY DRAIN COMMISSIONER



Has offered to provide technical design support and to pursue State Revolving Funds (SRF), low interest loans for those portion of the project affecting the Badger Creek Drainage District

# BADGER CREEK DRAINAGE DISTRICT



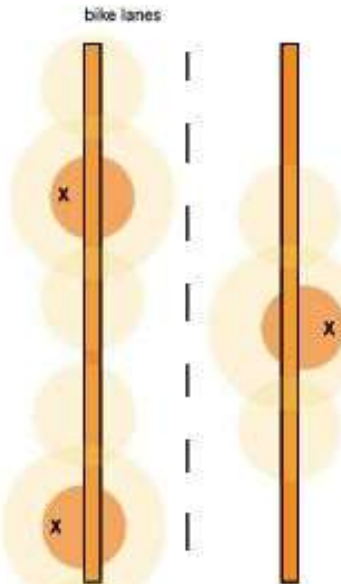
# WHAT?

Our deliverables for this project (if supported by our residents) will be:

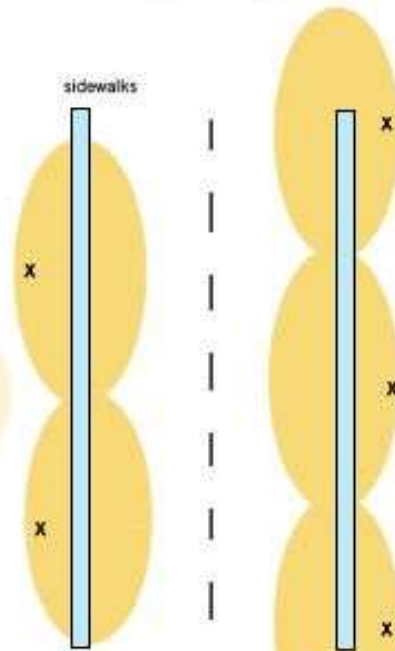
- For the first time in recent history, Marquette Township's local roads will feature satisfactory road surface conditions, adequate drainage, and a sufficient non-motorized network that will be financially sustainable to maintain into the future.
- Together with the Marquette County Road Commission and the Marquette County Drain Commissioner, our Township will utilize modern engineering design to maintain and/or reconstruct all necessary local road surface repairs and stormwater management measures **WITHIN THREE (3) YEARS.**

# Improved neighborhood lighting...

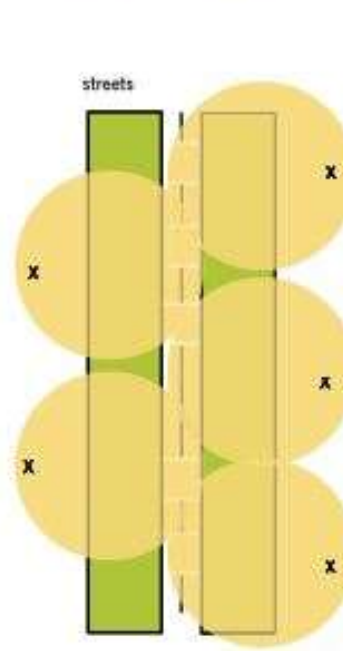
## LIGHT NEEDS



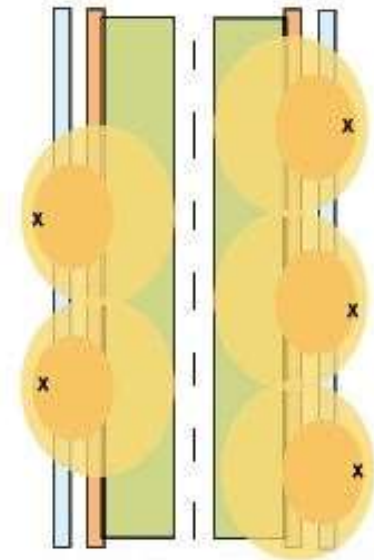
want to be seen  
primary visibility on bicyclist/  
bike lanes  
visibility ahead (safety)  
visibility behind (cars)



want to be seen and see  
primary visibility on pedestrian  
visibility over entire walking path  
visibility behind (cars)



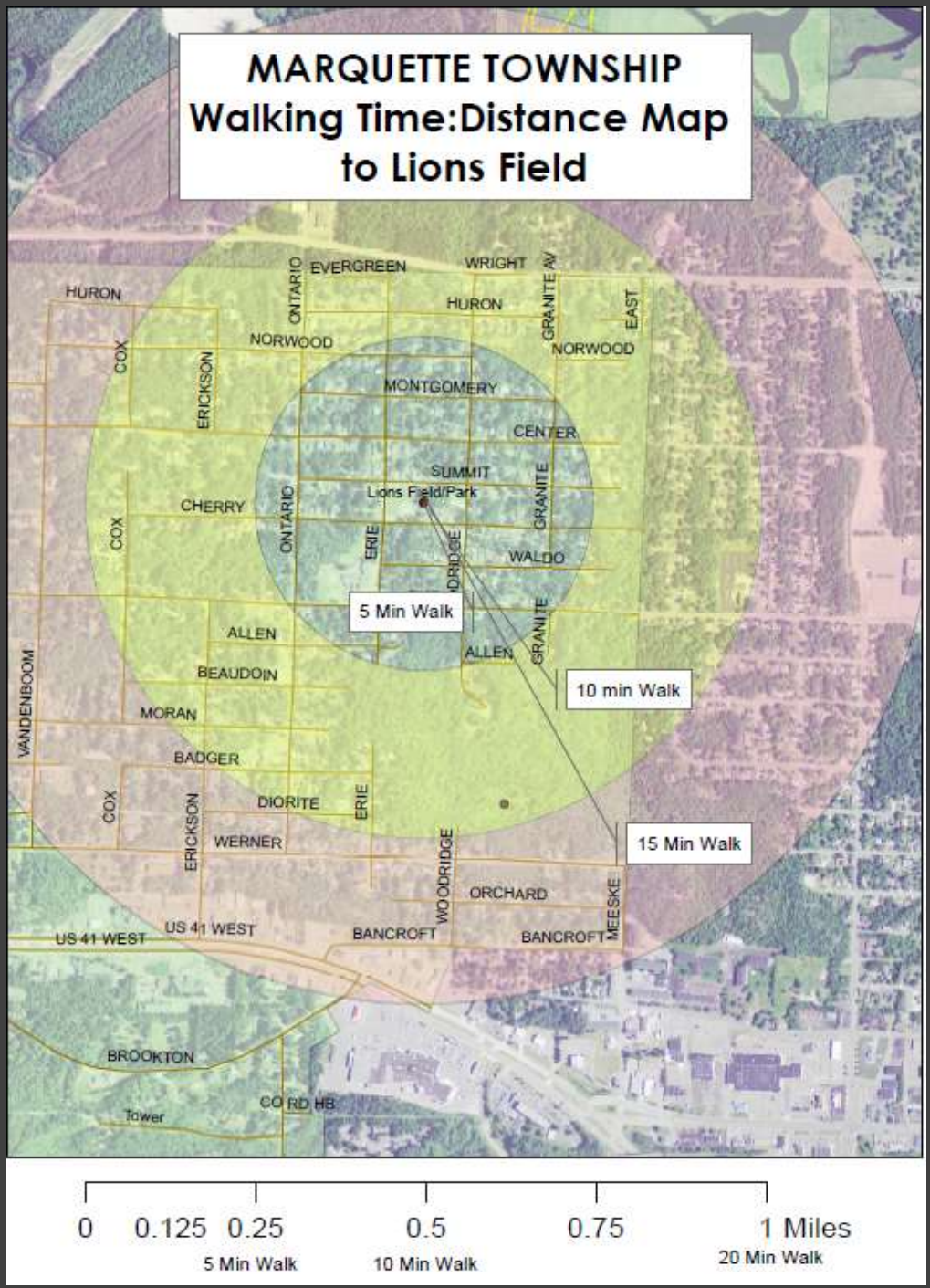
want to see others  
primary visibility on road  
visibility also important on sidewalks  
& bike lanes  
have headlights to illuminate streets



visibility focuses on the sidewalks and bike lanes  
dimmer light cones extend onto the street



# Increased walkability...

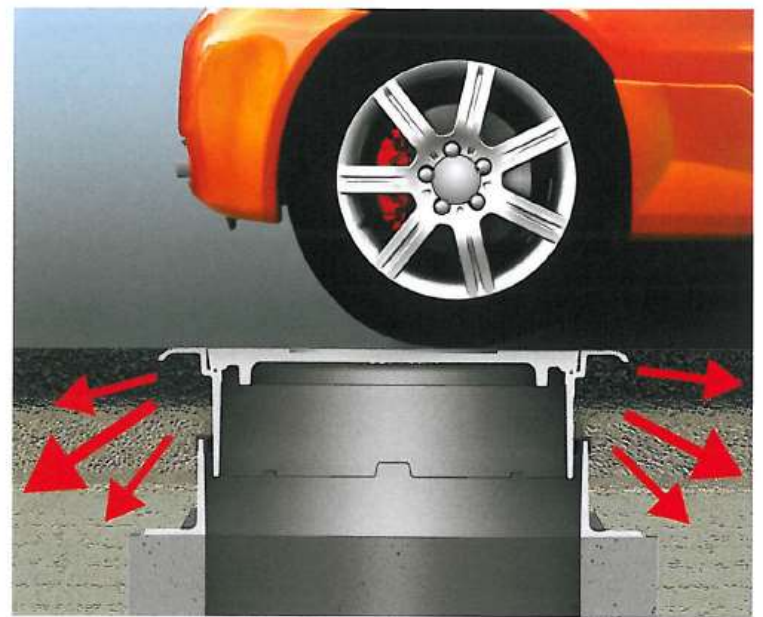


# Innovative infrastructure solutions such as:

**SELFLEVEL® ACCESS ASSEMBLY**



**ERGO® SELFLEVEL® ACCESS ASSEMBLY**



Once installed, the unit will continue to move with the road surface. The road surface aids in absorption of traffic vibration and shock, further protecting the life of your infrastructure and critical underground structures.





WE'LL UTILIZE BIT  
CURB FOR  
STORMWATER  
DRAINAGE...

WE'LL HAVE  
SUFFICIENT  
FUNDING TO  
PERFORM  
MAINTENANCE...



# WHERE?

All local roads within Marquette Township are proposed to receive reconstruction or maintenance upgrades within three (3) years, if the funding request is approved by our residents.



# WHEN?

These repairs would occur per the Township Board's direction, per the proposed "order of repairs" schedule.

The next slide shows all of the roads that would be improved during 2015, alone...





# HOW?

Reconstruction, maintenance, lighting and walkability improvements will require an intense amount of planning to implement; not only from a logistical sense, but also from a financial perspective.

# Township Local Roads Rehabilitation - Proposed Program

(July 15, 2014 Board Meeting)

As proposed by Roads Committee:

Estimated cost to complete	\$7,000,000.00
Recommend 10% contingency	<u>700,000.00</u>
Sub-total	\$7,700,000.00
Road Commission contribute design, engineering, bidding And construction oversight – est. 17.5%	(\$1,347,500.00)
Estimated, pre-bid, total project	\$6,352,500.00**

*\*\* This does not include potential financial participation from outside sources; strictly millage.*

## Public Awareness:

In addition to public hearings at Board level; publication of Board approved road rehabilitation plan in media, by e-blast, on website and Facebook pages, as utility billing insert, etc.; public workshops are scheduled twice weekly (Mondays 12-1PM & Wednesdays 6-7 PM) beginning Monday, September 8th.

# IMPORTANT FACTS TO CONSIDER

- Through community surveys, planning work sessions and comments received at Township Board meetings, Township residents have consistently stated that the poor surface condition of the local road system is a top priority to address within the community.
- Marquette Township does not own or maintain roads located within our boundary. The roads within Marquette Township are owned and controlled by the Marquette County Road Commission (MCRC).

- Sufficient funding is not being generated to support the MCRC maintaining or repairing the Marquette County infrastructure system. Currently, costs to maintain the road system significantly exceeds the available revenues, and the need continues to increase.
- The expiring .85 mil, road millage was approved by the residents to rebuild Werner St., with any remaining balance of the funding being applied to rehabilitate Brookton Rd. This current road millage will expire December 31, 2014.
- Effective January 1, 2015 there will be no local property tax monies going to roads, and state transportation funding has increased only once since 1984. The last increase was in 1997. Legislative inaction makes a state funding increase uncertain in the foreseeable future.

- For 2015, Marquette Township is proposing a millage of 1.5 mils per year for fifteen years to improve and maintain local streets and roads. The millage will provide approximately \$500,000.00 annually. The cost to taxpayers is \$150.00 per \$100,000.00 of taxable value. In as much as the current .85 mil expires on December 31, 2014, and the proposed 1.5 mils would become effective on January 1, 2015, ***the net effect upon residential taxes will be a .65 mil increase over current, or \$65.00 per \$100,000.00 of taxable value.***
- Currently, less than 20% of roads in Marquette Township are rated as “good”. If approved, the funds generated by the 2015 millage would improve that rating to 80% “good” within the next 3 years.
- The Marquette Township Asset Management plan will guide spending of the millage funds. Asset Management, according to Public Act 199 of 2007, means: an *“ongoing process of maintaining, upgrading and operating physical assets cost-effectively, based on a continuous physical inventory and condition assessment.”* The implementation of an asset management decision process allows Marquette Township to make informed decisions for the transportation network with the most accurate information. The process enables stewardship, transparent decision processes and measurable performance.



- The overall plan is focused on improvements that will benefit all Township residents and will also include street lighting, walkability/bikability and stormwater runoff concerns; funded from other resources and not funded by the proposed millage.
- The Marquette Township Board, Road Committee, and staff have prioritized projects based on P.A.S.E.R. (road surface condition) ratings, safety, traffic volumes, road function, school bus routing, emergency routing and non-motorized transportation opportunities.
- Roads not considered for repair by this millage are all of County Road 550. Co. Rd. 550 is currently undergoing extensive rehabilitation, in preparation for Eagle Mine trucking. County Road 492, from the Township's west border to Commerce Drive is currently scheduled for completion in 2016 by the MCRC. Wright Street, from the city limits to the Target intersection is not being considered as part of this millage effort. Finally, Ontario Street, from Werner to Wright Streets is currently scheduled for reconstruction in 2017 by the MCRC and is therefore not being considered as part of this Township rehabilitation program.

- The current list of projects calls for work on 15 miles of the 34 miles of local township roads in 2015.
- 2016 will see reconstruction and rehabilitation on another 15 miles of local Township roads, with the remaining 4 miles being completed in 2017.

# 2015 - 2017 PROPOSED ROAD REPAIR PROJECT



- RECONSTRUCTION
- OVERLAY
- CHIP SEAL/CRACK FILE

**MARQUETTE CHARTER TOWNSHIP**  
Planning & Zoning Department

Scale: 1" = 100'

Map Date: 03/15/17

Map No: 17-03