



Demographics

Population: 2,688 (2020 Census)

AGE

	Whitewater Twp.	Grand Traverse County	Michigan
Persons under 18 years	21.4%	19.9%	21.4%
Persons 65 years old and older	24.6%	21.3%	18.1%
Median Age (years)	51.4	43.4	40.2

The median age of a Whitewater Township Resident is about 8 years older than that of a Grand Traverse County resident, and more than 11 years older than that of a State of Michigan resident.

Source: ACS 1-Year Estimates Data Profiles, 2021 and ACS 5-Year Estimates

24.6%

Almost one in four residents of Whitewater Township is 65 years old or older.



INCOME (2021 Est.)

THE STATE OF	Whitewater Twp.	Grand Traverse County	Michigan
All Households (mean income)	\$91,842	\$84,905	\$86,093
All Households (median income)	\$75,685	\$65,651	\$63,498

Whitewater Township residents generally have higher household incomes than the County and State as a whole.

Source: ACS 5-Year Estimates Subject Tables and ACS 1-Year Estimates Subject Tables and ACS 5-Year Estimates Subject Tables

\$75,685

are generally higher in Whitewater Township.

'Mean" referes to the rverage of a set of values.

"Median" referes to middle number in a sorted list of numbers

HOUSEHOLDS

	Whitewater Twp.	Grand Traverse County	Michigan	
Average Household Size	2.56	2.34	2.43	
Owner-Occupied Housing	90.7%	76.3%	73.2%	

Residents of Whitewater Township live in somewhat larger

Source: ACS 1-Year Estimates Data Profiles, 2021 and ACS 5-Year Estimates Subject Tables

homes in Whitewater Township are owner-



Educational Attainment

	Whitewater Twp.	Grand Traverse Co.	Michigan
Population 25 years and older with a Bachelor's Degree	25.4%	21.8%	19.2%

Source: ACS 1-Year Estimates Subject Tables and ACS 5-Year Estimates Subject Tables

About 1 in 4 adults in Whitewater Township have a Bachelor Degree.

Other Labor Force Characteristics

	Whitewater Twp.	Grand Traverse Co.	Michigan
Population 16 years and over in Labor Force	57.2%	62.0%	60.9%
Workers 16 years and over - Mean travel time to work (minutes)	26.7	21.3	23.8

Township generally travel further for

YEAR HOMES WERE BUILT (PERCENT OF OCCUPIED UNITS)

TEARTION			
	Whitewater Township	Grand Traverse County	Michigan
2020 or later	.6%	.6%	.4%
	3.5%	11.3%	5.2%
2010 to 2019 2000 to 2009	15.0%	19.8%	10.496
	44.2%	31,1%	22.1%
1980 to 1999	25.2%	21.4%	27.1%
1960 to 1979	4.0%	7.6%	21.1%
1940 to 1959	7.6%	8.2%	13.7%
1939 or earlier	7,090	012.10	The second secon

More than 4 out of 10 occupied housing units that exist today in Whitewater Township were built between 1980 and 1999. This suggests that during this time, a local building boom occurred.

Source: ACS 1-Year Estimates Data Profiles, 2021 and ACS 1-Year Estimates Subject Tables

Labor Force By Industry Whitewater Twp. Grand Traverse Co. Civilian employed population 16 years and over 2.8% 1.5% Agriculture, forestry, fishing and hunting, and mining 5.6% 8.2% 13.8% Construction 18.7% 10.3% 10.3% Manufacturing 2.3% 3.2% 2.096 Wholesale trade 10.8% 13.7% 14.3% Retail trade 4.6% 3.4% 3.0% Transportation and warehousing, and utilities 1.2% 1.3% 0.9% 5.7% 6.8% 5.7% Finance and insurance, and real estate and rental and leasing Professional, scientific, and management, and administrative and waste management services 9.8% 9.8% 9.9% 24.7% 23.3% Educational services, and health care and social assistance 9.0% 11.7% Arts, entertainment, and recreation, and accommodation and food services 7.4% 4.5% 3.8% 5.3% Other services, except public administration 3.1% 3.4% 1.9%

Source: 2021 5-Year Estimates Data Profiles



2015 Master Plan Revisit

Green = Yes/Keep

Orange = Not sure/Maybe

Red = No/Do not keep

Respect the Rights of Township Residents and Property Owners

- Respect private property rights as guaranteed by the State of Michigan and United
- Encourage new development in areas with infrastructure that is available or attainable.
- Encourage land uses that are compatible with adjacent land uses.
- Encourage the cleanup or containment of blighted and/or contaminated sites
- Increase awareness of land use issues and the techniques available to address land use issues.

Preserve Whitewater Township's Rural Character•

what is rural Character Supposed to mean? we need more housing,

- Encourage development that retains or mimics natural features. ••• \$
 - Encourage guidelines that preserve the environmental integrity of Township floodplains, wetlands, watersheds and water bodies.
 - Encourage community sewer and water systems in areas of the greatest environmental need.
 - Encourage the continuation of hunting, fishing, trapping, and other outdoor recreational opportunities.



2015 Master Plan Revisit

Green = Yes/Keep

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Red = No/Do not keep

Build a Sense of Community

Encourage social and cultural activities for year-round and seasonal residents.

Recognize and preserve the scale and compact nature of the commercial district.

Support and encourage the development and implementation of a recreation plan.

Encourage preservation of historically significant features within the Township.

Encourage Economic Opportunities

Support property owners who engage in home occupation activities which are in character with the area/neighborhood.

Support business, agricultural production and agritourism.

Streamline the application process for development.

Encourage municipal infrastructure for the benefit of the Township and areas of the greatest need.



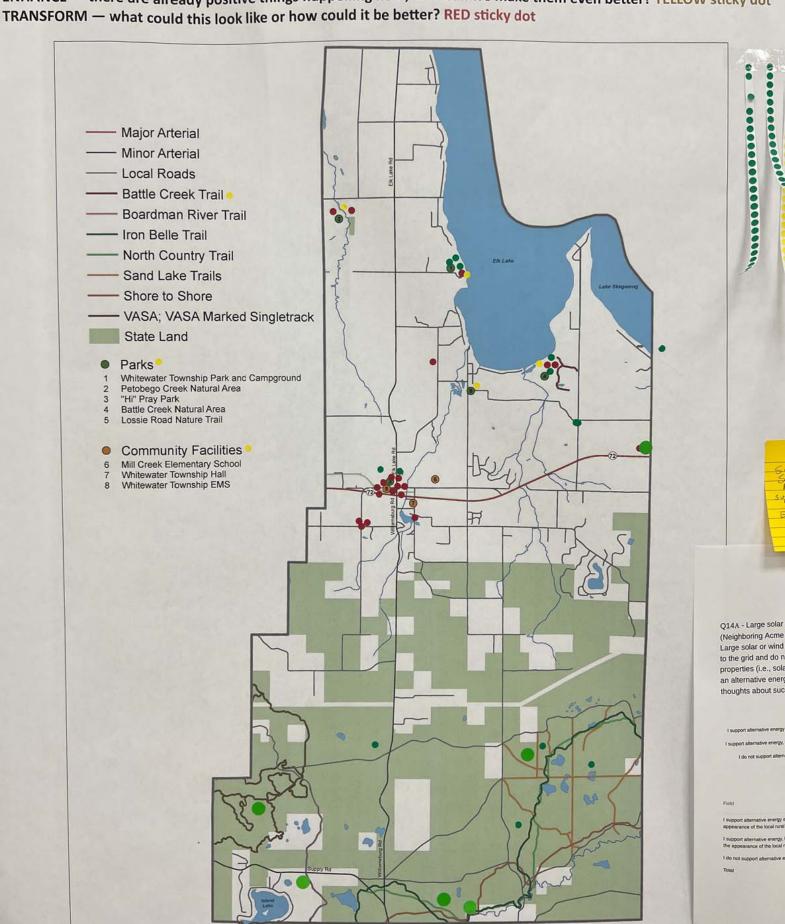
Electorly Building # Transportation Follows the Conserver

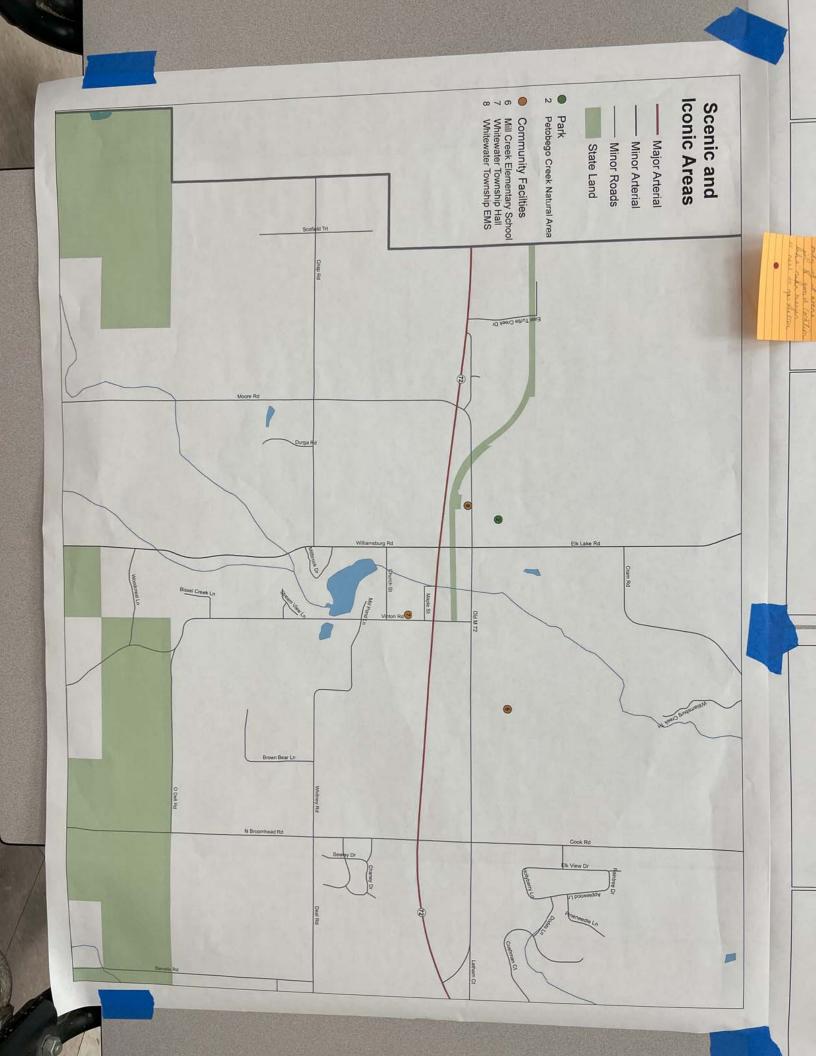
We need to get reachests United + excited about a 112 var for ar township

Fallow The Ordinances

Preserve, Enhance and Transform

PRESERVE — these are the things that are great — keep them just how they are! GREEN sticky dot
ENHANCE — there are already positive things happening here, how can we make them even better? YELLOW sticky dot
TRANSFORM — what could this look like or how could it be better? RED sticky dot





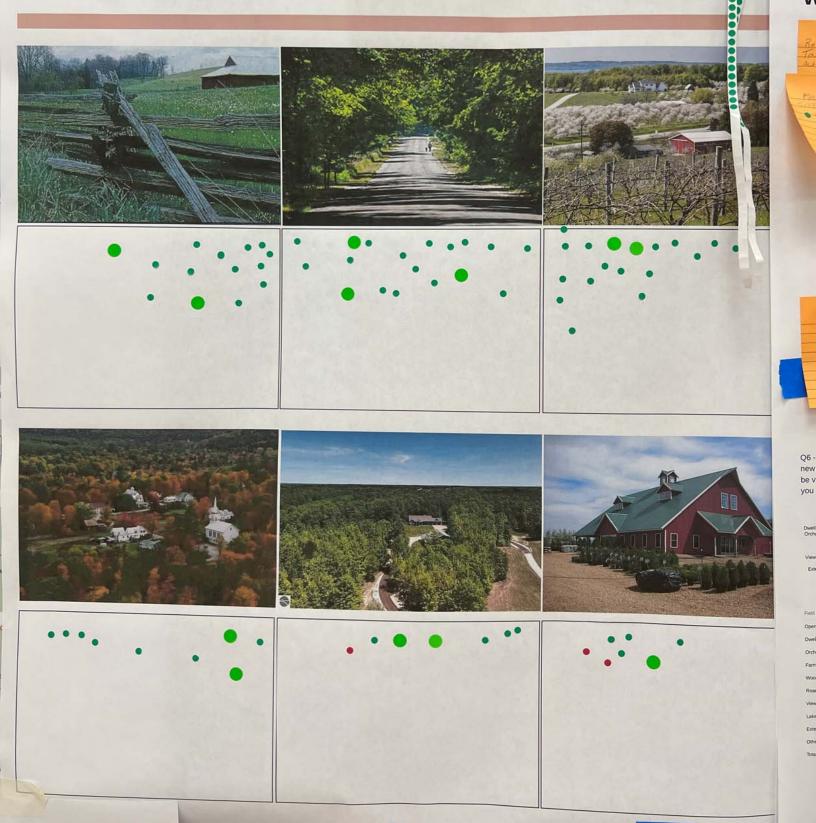
Alternative Energy In past master township. Rur Where should alternative energy facilities be located? GREEN sticky dot ky dot Where should alternative energy facilities absolutely not be located? RED sticky dot Below are som mostly capture You may also l Major Arterial Minor Arterial Local Roads - Battle Creek Trail Boardman River Trail - Iron Belle Trail North Country Trail - Sand Lake Trails - Shore to Shore VASA; VASA Marked Singletrack State Land Parks Whitewater Township Park and Campground Petobego Creek Natural Area "Hi" Pray Park Battle Creek Natural Area Lossie Road Nature Trail Community Facilities Mill Creek Elementary School Whitewater Township Hall Whitewater Township EMS Q14A - Large solar or wind facilities are not uncommon in Michigan (Neighboring Acme Township approved 50-acre solar farm off M-72). Large solar or wind facilities produce larger amounts of power delivered to the grid and do not include individual systems serving individual properties (i.e., solar panels on rooftops). There are no current plans for an alternative energy facility in Whitewater Township, but what are your thoughts about such a facility in the future? 9

Rural Character

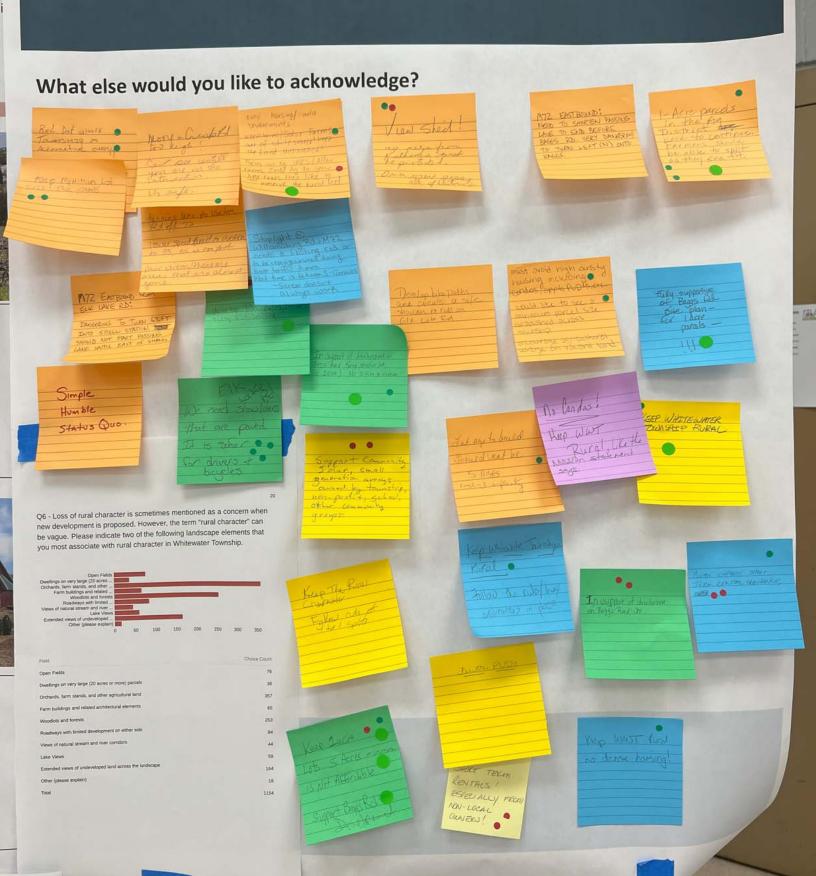
In past master plans and surveys, residents have indicated a strong interest in maintaining the rural character of the township. Rural character can be challenging to define as it can mean many things — we want your help defining it!

Below are some photos of rural settings. You may use a **GREEN sticky** dot to indicate that you like the photo and that it mostly captures what you envision when you think of rural character.

You may also leave a comment to better explain your thoughts about what rural character means to you.

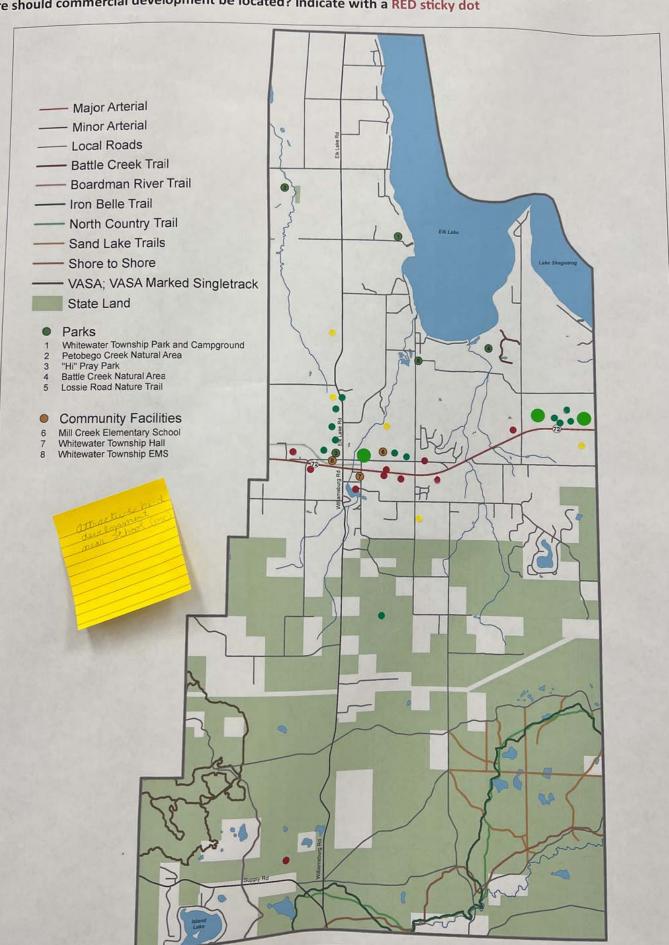


Comments

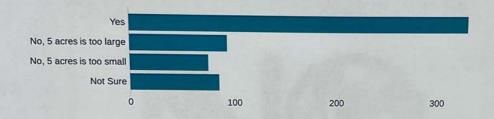


Development: Location

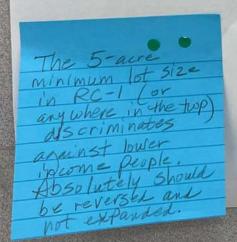
Where should low-density residential neighborhoods be located? Indicate with a YELLOW sticky dot Where should higher-density residential neighborhoods be located? Indicate with a GREEN sticky dot Where should commercial development be located? Indicate with a RED sticky dot



Q9A - Much of the land South of M-72 in Whitewater Township is zoned Recreational (RC-1). The minimum required parcel size in the RC-1 District is 5 acres (217,800 square feet – or about 300' x 725'). In your mind, is this 5-acre minimum parcel size appropriate in the RC-1 District?



Field	Choice Count
Yes	329
No, 5 acres is too large	93
No, 5 acres is too small	74
Not Sure	85
Total	581



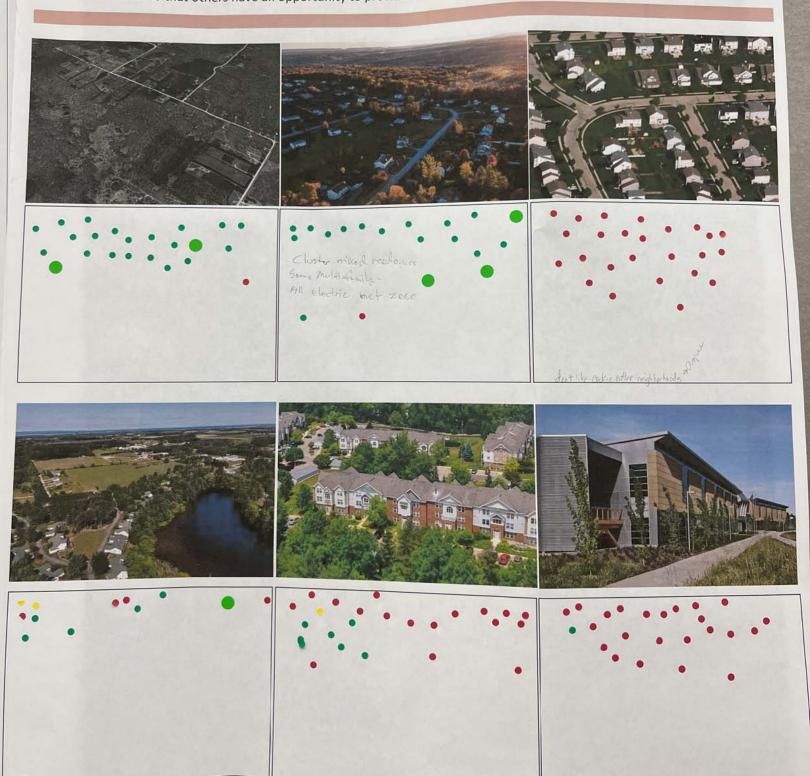
Development: Housing

The U.S. Census is estimating that the township will gain residents over the next few decades. We also know from the most recent survey that maintaining the rural character of Whitewater Township is important to the residents.

How should the township balance that growth while maintaining its identity?

 $Imagine \ 500 \ new \ residents \ move \ into \ the \ township - what \ would \ their \ new \ homes/neighborhoods \ look \ like?$

You may leave a comment and explain why you do or do not like certain types of housing options — please keep comments brief so that others have an opportunity to provide feedback. **GREEN for "Pros"** and **RED for "Cons"**



* prefer single- Family dwelling S. AGREE

Development: M-72

M-72 is the most heavily trafficked corridor in the township and it is the only region that would be considered traditional commercial development. It is a major throughfare that drivers pass through on their way to or from Traverse City.

What should the development in this corridor look like? Below are some photos that show current buildings along the corridor as well as some samples from other communities. Use a GREEN dot if you like it and a RED dot if you do not.

You may leave a comment and explain why you do or do not like something — please keep comments brief so that others have an opportunity to provide feedback. GREEN for "Pros" and RED for "Cons"

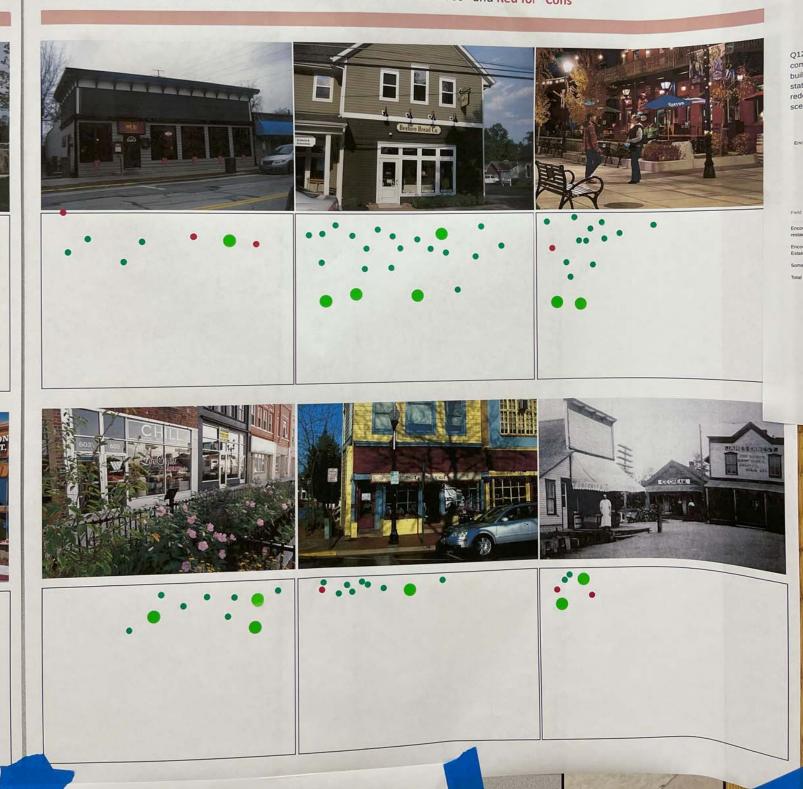


Development: Downtown

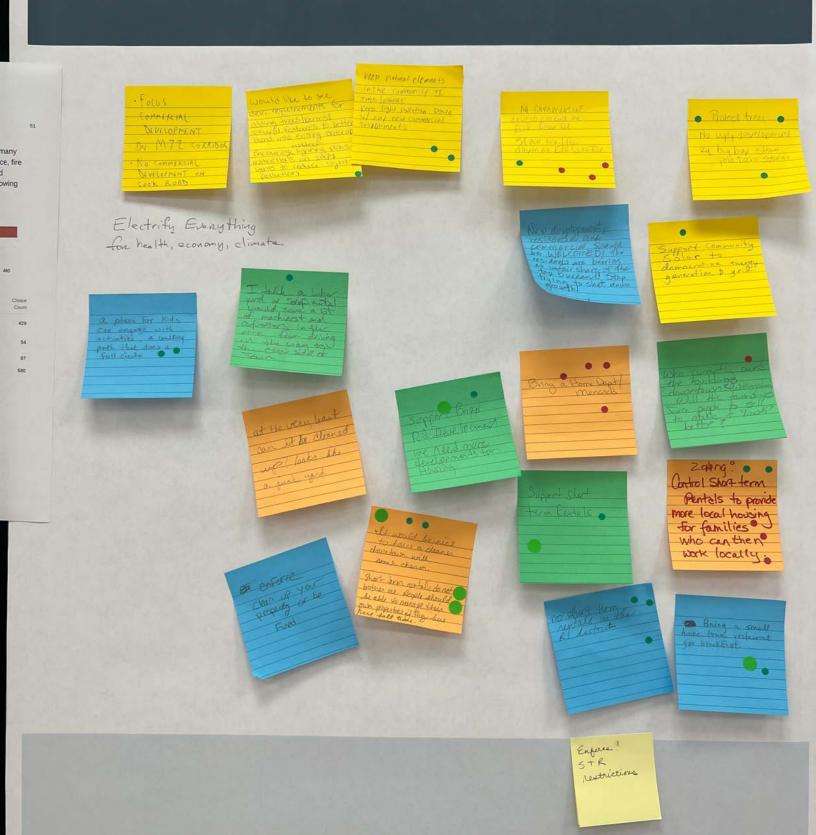
Downtown Williamsburg is located near the intersection of Williamsburg Road/Elk Lake Road and Old M-72. In the past, a traditional downtown again.

What should the downtown look like? Below are some photos that show current buildings along the corridor as well as some samples from other communities. Use a GREEN dot if you like it and a RED dot if you do not.

You may leave a comment and explain what you do or do not like in any of the pictures — please keep comments brief so that others have an opportunity to provide feedback. Green for "Pros" and Red for "Cons"



Development Comments



Infrastructure: Trails

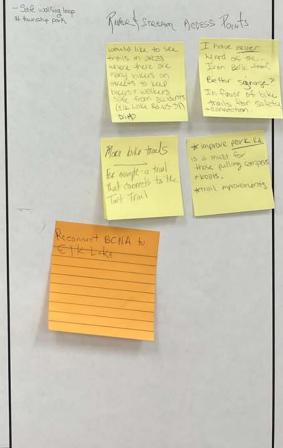
One significant trail in Whitewater Township is the Iron Belle Trail which connects Belle Isle (in the Detroit River near downtown Detroit) to Ironwood in the western Upper Peninsula. The Iron Belle Trail is 2,000 miles long and it crisscrosses downtown Detroit) to Ironwood in the western Upper Peninsula. The Iron Belle Trail is 2,000 miles long and it crisscrosses more than half of Michigan's counties along two distinct hiking and biking routes. The biking route utilizes many of the more than half of Michigan's counties along two distinct hiking and biking routes as it travels up the east side of the state. The hiking state's existing bike paths, bike lanes and designated biking routes as it travels up the east side of the state. The hiking state's existing bike paths, bike lanes and designated biking routes as it travels up the east side of the state. The hiking state's existing bike paths, bike lanes and designated biking routes as it travels up the east side of the state. The hiking state's existing bike paths, bike lanes and designated biking routes as it travels up the east side of the state. The hiking state's existing bike paths, bike lanes and designated biking routes as it travels up the east side of the state. The hiking state's existing bike paths, bike lanes and designated biking routes as it travels up the east side of the state. The hiking state's existing bike paths, bike lanes and designated biking routes as it travels up the east side of the state. The hiking state's existing bike paths, bike lanes and designated biking routes as it travels up the east side of the state. The hiking state's existing bike paths, bike lanes and designated biking routes. The biking routes as it travels up the east side of the state. The hiking and biking routes. The biking routes as it travels up the east side of the state. The hiking and biking routes. The biking routes as it travels up the east side of the state. The hiking and biking routes. The biking routes as it travels up the east side of the state. The hik

An illustration of all trails in Whitewater Township is provided to the right. It should also be noted that TART (Traverse An illustration of all trails in Whitewater Township is a local 501(c)(3) nonprofit organization. The mission of this organization Area Recreation and Transportation Trails, Inc.) is a local 501(c)(3) nonprofit organization. The mission of this organization is to provide and promote a trail network that enriches people and communities throughout the greater Grand Traverse region. The TART Trail network is within and near Whitewater Township. The Boardman/Ottaway River Trail is a 24-mile trail that crosses Supply Road west of Williamsburg Road.





What are your thoughts on the trails?
Do we need more? If so, where?
Are the township trails adequately connected to the region?
What facilities need to be added or improved?



Infrastructure: M-72

M-72 is a high-speed, heavily trafficked corridor that is the center of commercial development in the township. There are a number of reasons why it is important to consider what infrastructure in this corridor will look like as more businesses change ownership or new businesses are developed.

Combining access drives, also known as driveway consolidation or access management, is a planning and design strategy used in transportation and urban development to improve safety, traffic flow, and overall efficiency. Access management should be carefully planned and executed to balance the needs of various stakeholders, including property owners, businesses, commuters, pedestrians, and local communities. Here are several reasons why combining access drives might be implemented:

Safety Improvement: One of the primary reasons for combining access drives is to enhance safety on roads and streets. Multiple driveways or access points close to one another can lead to conflicts between vehicles and pedestrians, create weaving movements, and increase the risk of accidents. By consolidating access points, you can reduce the number of conflict points and improve safety for all road users.

Traffic Flow: Multiple access points can disrupt the flow of traffic by causing congestion, especially during peak hours. Combining access drives can reduce congestion and improve the overall traffic flow, benefiting both commuters and businesses in the area.

Efficiency: Consolidating access drives can improve the efficiency of transportation networks. When access points are combined or reduced, it can lead to smoother traffic operations, shorter travel times, and reduced delays for motorists.

Pedestrian Safety: Access management is not only about vehicles; it also takes into consideration the safety and convenience of pedestrians. Fewer access points mean fewer potential conflicts between pedestrians and vehicles, making it safer for people walking or using crosswalks.

Accessibility: Improving access management can enhance accessibility for individuals with disabilities. Well-designed access points can provide safe and convenient crossing opportunities for people with mobility impairments.

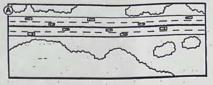
Land Use Planning: Combining access drives is often part of a broader urban planning strategy. It can help guide and control development in a way that ensures the efficient use of land and promotes a more sustainable, walkable, and transit-friendly urban environment.

Economic Benefits: Enhanced access management can benefit businesses by improving the visibility and accessibility of commercial properties. When access points are strategically located and consolidated, it can make it easier for customers to access businesses, boosting their economic viability.

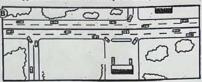
Aesthetics: Combining access drives can lead to a more aesthetically pleasing streetscape. It can reduce visual clutter and create a more attractive environment for residents and visitors.

Environmental Impact: Reduced congestion and smoother traffic flow resulting from access management can contribute to lower fuel consumption and reduced emissions, which align with environmental sustainability goals.

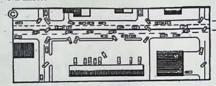
Cumulative Impact of Increased Roadside Development . . .



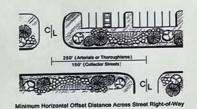
What happens when unrestricted development takes place ...



over time ...



Source: Center for Transportation Research and Education, Iowa State University, Iowa Access Management Guidebook, October 2000, p. 19.



CL CL

Aligned on Driveway Centerline Across Street Right-of-Way



Combined access drives for multiple businesses provide improved safety for motorists. Limited crossing points for pedestrians decreases the opportunity for vehicle/ pedestrian accidents. Uniform landscaping and development patterns create an aesthetically improved look.



Unregulated access drives lead to reduced pedestrian and motorist safety by increasing the opportunities for vehicular deceleration and more points of conflict. It can also lead to driver confusion when looking for a drive to access a specific business.

Would you support the township developing regulations to improve the M-72 corridor to assure that it remains safe, efficient, and an economic hub for the township? GREEN for "YES" and RED for "NO"



going to pay See

This - Market Should not have

Le phy South's

NO

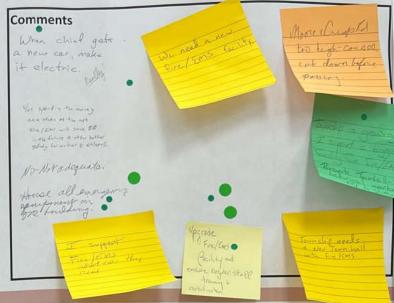
Infrastructure: Facilities



Fire/EMS

Do you feel the Emergency Services in Whitewater Township are adequate?

Should the Fire/EMS Building be improved/updated?

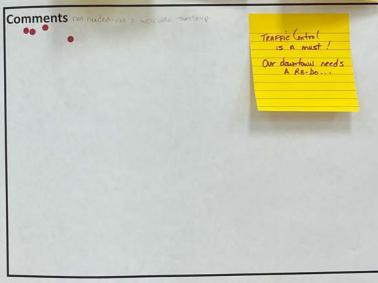




Public Transportation

Do you feel that public transportation services are adequate?

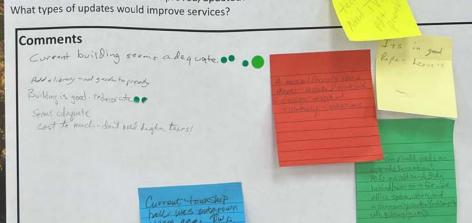
Currently, there are no bus stops in the township—should there be? If so, where?





Township Hall

Should the Township offices be improved/updated?



Infrastructure Comments

Would you be in favor of septic field inspection Ges. In spect septic fields. Support state wide regulation. on lake Front property? ...

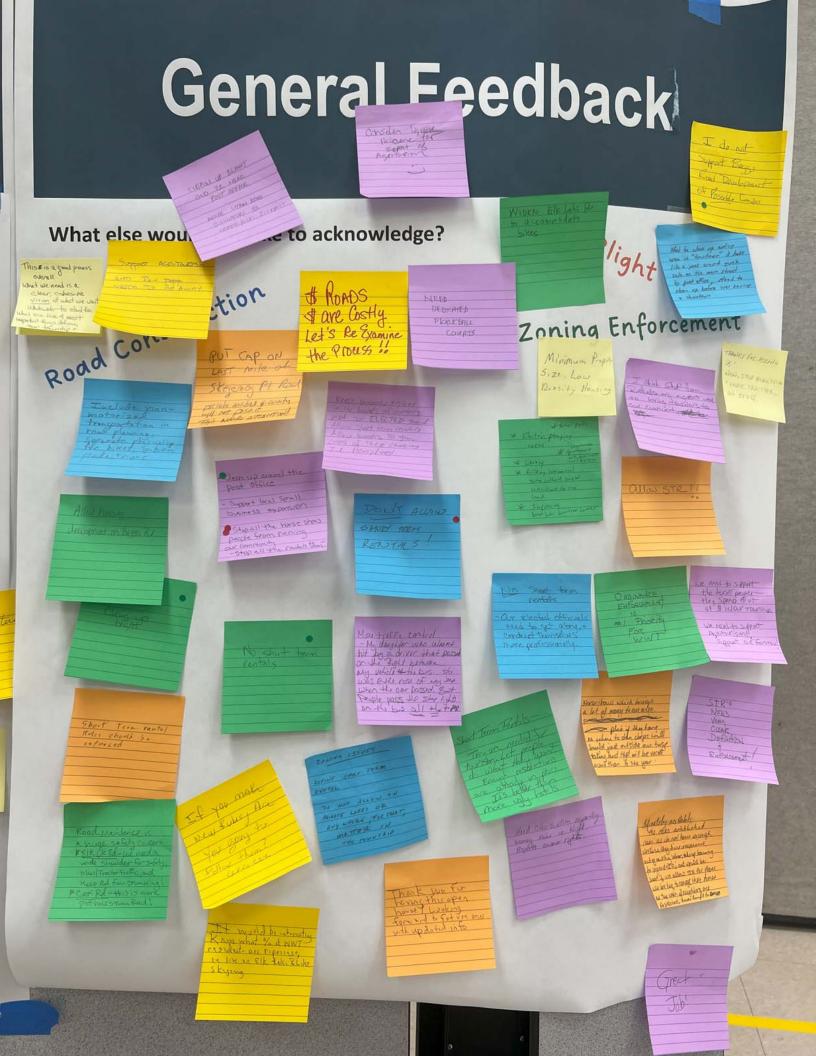
- Yes keep our lakes clean.

TURN Lane All through Buisness on mita

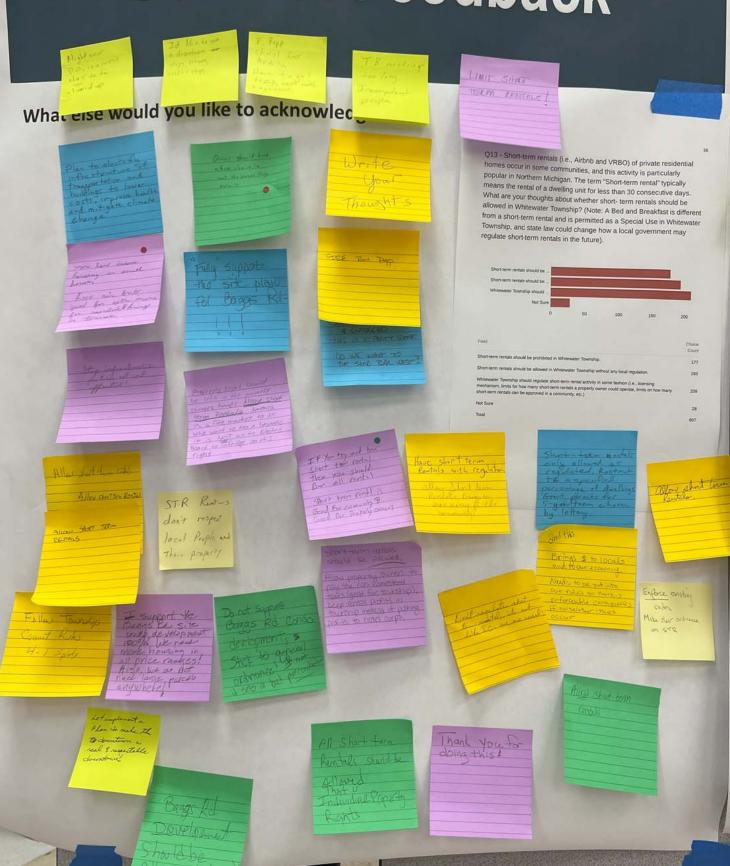
- hight @M72+Williamsburg Rd needs new sensor and/or flashing-red/in last offer times)
 (current work times 3-12mm)
- · Enforce speed limit on Williamsbug Pd. Cors are passing at 80mph in non-passing zones

Are speed limits appropriate in WWT?

Vinton needs to be slowed to 35 mph,



General Feedback



14/

This # is a good overall what we need is clear, coher who who who who who had not the district to impost of the proposed shape of th

RO