

**SAUGATUCK
TOWNSHIP**

**Tri-Community Non-Motorized Trail Study Committee Agenda
August 20, 2021 at 2:00 pm**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. APPROVAL OF AGENDA**
- 4. APPROVAL OF MINUTES**
- 5. PUBLIC COMMENTS/TODAY'S AGENDA TOPICS ONLY (LIMIT 3 MINUTES)** *Use the "raise hand" button in the participant's screen found in the Zoom interface or enter *9 if calling in by phone to raise hand.*
- 6. REVIEW/DISCUSSION:**
 - A.** Public Open House – Final Details
 - B.** TAP and MNRTF Applicants
 - C.** Local Share Funding
 - D.** Maintenance Agreement
- 7. REVIEW NEXT STEPS**
- 8. PUBLIC COMMENTS (LIMIT 3 MINUTES)** *Use the "raise hand" button in the participant's screen found in the Zoom interface or enter *9 if calling in by phone to raise hand.*
- 9. MEMBER CLOSING COMMENTS**

NOTICE:

This public meeting will be held using **Zoom** video/audio conference technology due to the COVID-19 restrictions currently in place.

Join online by visiting:

<https://us02web.zoom.us/j/2698572603>

Join by phone by dialing:

(312) 626-6799

-or-

(646) 518-9805

Then enter "Meeting ID":

2698572603

Please send questions or comments regarding meeting agenda items prior to meeting to:

hleo@saugatuckcity.com

Tri-Community Trail Committee (TCC)

Minutes Aug 13, 2021 Meeting

Meeting commenced at 2:00 PM.

Present: Cindy Osman, Kathy Mooradian, Jerry Donovan, Holly Leo, excused), Richard Donovan. Joe Frey (Township) Rich Labombard (Douglas) joined late, Ryan Heise (Saugatuck)

Also attending: Craig Atwood from Allegan Road Commission, M, Betts from SDFD. Larry Fox, Emily Myerson from C2AE.

Motion to approve agenda made by Mooradian, seconded by R. Donovan.

Motion to approve previous meeting minutes made by Osman, seconded by Mooradian.

Spelling correction made: Tyler Ruel from C2AE attended that meeting.

PUBLIC COMMENTS. None

New Business; Final review of Alternatives: Larry Fox went through all four sections informing the committee of things they had asked for as possible.

Washington to Lake Street section: 3 lane option is the same. Traffic light discussed again. Consultant said putting on at Old Allegan would make no difference to the Lake Street intersection and trail project. Ballpark cost would be about 150K . It could be equipped with a remote sensing that emergency services could use to stop all traffic at Lake clearing the lanes prior to those services arrival. Fox reported he met again with Chief Janik or SDFD. The Chief would support the two lane if a light were used but would not support a two lane with the trail being used as the emergency lane. Committee members discussed which of the three options to then bring to the public meet. It was decided to bring the 3 lane and the two lane with light option. As just information, Fox shared a picture of a crash resistant barrier on bridge but said it would cost 600 K to do it.

Lake Street to Maple section: They searched for a less expensive option per Adams request but found none. Will stick with lasts plan especially since it is ASHTO compliant.

Maple Street to Old Allegan. No changes

North street to Holland : Craig Atwood presented that the Allegan Road commission board would not support and shared use road due to liability and other issues so that option was ruled out. The public will see a separated trail option on the south side of 66th that will make the connection to Holland Street. The previous idea for an option that would allow people to use trail and end it where it can be called a trail head (with some car parking) also ruled out. It would not meet the purpose of a fully connected trail that the TAP grant would fund and may cause confusion in the area.

PUBLIC INFO MEETING AND OPEN HOUSE: On August 24 from 4-6PM an OPEN HOUSE format has been agreed. It will be at Isabels. The drawings/options agreed today will all be presented at booths headed by C2AE. A greeter will be there to give a handout that will set the stage for visitors. The FOBST group will make a timeline sharing history and to date happenings. Covid precautions are planned and will follow local health protocols. Holly asked that the public notices go out and that the entire committee to be at the public event to talk with people as well.

NEXT STEPS: Committee will meet again next Friday, the 20th to finalize public open house;Decide who is the TAP applicant (grant due in by Oct 13) and discuss budget, maintenance plan, local shares etc. After the public meet, committee meets again to makes any changes. From there the plans go to the cities for council resolution approvals to occur before that grant gets submitted.

PUBLIC COMMENTS: NONE

OTHER COMMITTEE COMMENTS/DISCUSSION: NONE

Mooradian made a motion to adjourn, Leo seconded. Meeting ended at 3:28 PM

Minutes respectfully presented by Kathy Mooradian, Recording Secretary



BLUE STAR TRAIL

connecting douglas, saugatuck & saugatuck township

~~Review designs connecting our community non-motorized trail from the Saugatuck/Douglas bridge to Holland St. connecting to the Beeline Trail to Holland.~~

~~★ Ask questions, fill out a written response & let your voice be heard. ★~~

community open house:

Open House Protocol

Masks are required for Entry. Hand sanitizer is available. Maintain Social Distancing.

Visit one of three stations to review information, ask questions and provide comment. All stations have the same information.

Take a handout for additional information.

Be sure to provide written comments on the alternatives and project at the comment table before you leave.



★ can't make it? Designs available for view after 8/25 @ SAUG/DOUGLAS LIBRARY or online after 8/25 @ City of Saugatuck, City of Douglas or Saug. Twp websites



BLUE STAR TRAIL

connecting douglas, saugatuck & saugatuck township

welcome to:

community open house

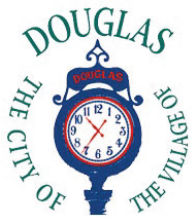
Masks are required and available upon request.
Please use hand sanitizer and maintain social distancing.

Visit one of three stations to review information, ask questions and provide comment. All stations have the same information.

Take a handout for additional information.

We want your feedback! Before you leave, please write your comments on the form provided and drop it in the comment box.

Thank you for taking the time to attend.



SAUGATUCK
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Blue Star Trail - Route Descriptions and Alternates

Washington Street to Lake Street (Douglas and Saugatuck)

Option 1 – 3 Lane Roadway with 8' Non-motorized Trail

- Restripe roadway to provide three each 11 foot traffic lanes
- Add 3 foot separation between trail and southbound traffic lane via pavement marking and vertical separation (traffic delineators, or other to be determined).
- Provides 8 foot non-motorized pathway with paved 2 foot clear zones on each side.
- North bridge approach includes a 10 foot wide separated trail behind the curb with a bike rail on the west side along the embankment (same for both alternates).

Observations/Discussion

- May require "design exception" from MDOT for 8 foot wide trail. Good justification is available.
- Vertical separation proposed through use of traffic delineators. MDOT may require curb or other separation technique.
- Maintains full 3 lane section through bridge and approaches. 11 foot center lane highly desirable by emergency services.
- **Estimated Construction Cost for this Alternative is \$130,000**

Option 2 – 2 Lane Roadway with 10' Non-motorized Trail and Traffic Signal

- Restripe roadway to provide 2 lane bridge crossing with 4.5 foot paved shoulders and greater separation from non-motorized trail. Vertical separation also required or highly recommended (traffic delineators or other to be determined).
- Provides 10 foot wide non-motorized trail with paved 2' clear paved clear zones on each side.
- South bridge approach transitions back to 3 lanes for left turns at Washington Street. This section has 2 each 11' travel lanes with a 10' left turn lane and no shoulders.
- Two lane alternate requires traffic signal at Lake Street for emergency vehicles

Observations/Discussion

- Short left turn lane stacking at south end of bridge may cause traffic backups
- Vertical separation proposed through use of traffic delineators. MDOT may require curb or other separation technique.
- Traffic Signal Provides the following benefits:
 - o Southbound traffic lane through bridge can be cleared of traffic via remote control of the signal before emergency vehicles get to the bridge.
 - o Would provide traffic control of vehicular and pedestrian traffic at the Lake Street intersection during normal operation.
- Adds fairly significant cost (approx. \$150,000), of which approximately 20% would be eligible for funding participation.
- **Estimated Construction Cost for this Alternative is \$280,000**

Alternates Also Considered for this section but not recommended for further evaluation

- Two lane roadway w/o traffic signal. – Not supported by Emergency Responders.
- Various width additions to the existing concrete sidewalk on north side. – Requires bike railing along traffic lane/edge of sidewalk as well as increased height rail on outer edge of bridge. Significantly changes the bridge loading and drainage systems. Very high costs.
- Three lanes configuration with 11.5' travel lanes and 10' left turn lane. – Not supported by Emergency Responders due to limited left turn lane width.
- For northerly bridge section, on roadway lane to Lake Street (utilizes existing acceleration lane). – Traffic impacts at Lake Street due to loss of existing acceleration lane.

Blue Star Trail - Route Descriptions and Alternates

Lake Street to Maple Street (City of Saugatuck)

Option 1 – Full Roadway Separation with At Grade Boardwalk or Retaining Wall Section

- Maintains existing roadway as-is
- Requires guardrail relocation north of Lake Street
- Limited top width and steep embankment section on northwest side of roadway requires adding an at-grade boardwalk or retaining wall section north to Bridge Street to provide 10' separated trail with required clear zone (5' from edge of paved shoulder).
- From Bridge Street to Maple Street, embankment reverses and retaining wall on west side of trail likely required.

Observations/Discussion

- AASHTO Compliant separation
- No roadway configuration changes
- **Estimated Construction Cost for this Alternative is \$675,000**

Option 2 – 10' Non-motorized Trail with Reduced Separation

- Because of the high cost of Option 1, it may be possible to reduce the roadway separation requirement by adding a vertical separation component. This option would add concrete curb and gutter to the west side of the roadway along with a vertical component such as delineators. This can then reduce the separation from the travel lane to approximately 4 feet, and reduces the overall top width requirement by approximately 7 feet from Option 1.
- Requires existing guardrail relocation to face of curb.
- Roadway reconfiguration consists of cutting and removing paved shoulder and adding concrete curb and gutter at lane line.
- From Bridge to Maple, embankment reverses and retaining wall on west side of trail likely required.

Observations/Discussion

- Reduced horizontal separation from AASHTO minimum 5 feet requires vertical element and design exception approval from MDOT.
- Vertical separation proposed through use of traffic delineators and curb and gutter.
- Roadway drainage reconfiguration required
- **Estimated Construction Cost for this Alternative is \$600,000**

Alternates Also Considered for this section but not recommended for further evaluation

- Utilize a portion of the existing paved shoulder with pavement marking and rumble strips. = Requires a significant design exception. AASHTO standards require a minimum 5' separation from the edge of the paved shoulder (not lane line). Existing paved shoulder width on roadway is needed to continue to comply with AASHTO roadway standards.

Blue Star Trail - Route Descriptions and Alternates

Maple Street to Old Allegan Road (Saugatuck Township)

Three Distinct Typical Cross Sections Apply to the Area (No Alternates Provided)

All Sections are AASHTO compliant Separated Trails with No Roadway Reconfiguration

10' HMA Trail with Retaining Wall - From Maple to approximately 350' north

This section has a steep embankment up from the roadway and some structures close to the right of way line that will require a retaining wall to be constructed in order to construct the path within the right of way.

10' Separated Trail

The section from 350 feet north of Maple to 900 feet north of Maple has grades that allow for a standard separated trail construction.

- AASHTO Compliant separation
- No roadway configuration changes

Boardwalk – Old Allegan Road to 300 feet South

The northernmost section of trail to Old Allegan Road has wetland/low area adjacent to the roadway and will require a boardwalk section.

Estimated Construction Cost for this section is \$450,000

Alternates Also Considered for this section but not recommended for further evaluation

- None

Blue Star Trail - Route Descriptions and Alternates

Blue Star Highway to Holland Street via North Street, Amalanchier Park and 66th Street (Saugatuck Township)

Two Distinct Typical Cross Sections Apply to the Area

All Sections are AASHTO compliant Separated Trails with No Roadway Reconfiguration

10' Separated Trail

The section will apply along North Street (construction along old RR grade offset from roadway) from the Blue Star Highway to just east of the creek crossing, then north through Amalanchier Park and then along the east side of 66th Street (adjacent to cemetery) to Holland Street and the Beeline Trail to Holland.

Boardwalk

This section will apply to the wetland/creek crossing in Amalanchier Park. The length of boardwalk will be limited as much as practical.

Observations/Discussion

- This section of trail will be routed through a forested, undeveloped park setting providing a high aesthetic user experience.
- This section of 66th Street has very few residences. Location on the east side would not impact any residences.
- **Estimated Construction Cost for this section is \$330,000**

Alternates Also Considered for this section but not recommended for further evaluation

- Continue trail along the west side of the Blue Star Highway to Clearbrook and then along Clearbrook to Holland Street. – Requires at grade boardwalk or retaining wall due to steep dropoff near roadway and high costs.
- Continue trail along the north side of North Street to Holland Street rather than north through Amalanchier Park. – Limited right of way and steep slopes would require retaining wall, higher costs and greater impact to residences than other alternatives. A timber bridge crossing of the creek would still be required.

Blue Star Trail

Public Input Comment Form (draft)

Please answer the following questions and provide any additional comments that you desire. Your input is appreciated. Comments should be left in the comment box, or turned in to the City of Saugatuck, City of Douglas or Saugatuck Township no later than September 1, 2021.

Segment: Washington Street to Lake Street (Kalamazoo River Bridge Section)

Please indicate which option you prefer:

3 Lane Configuration

2 Lane Configuration with Traffic Signal at Lake Street

Please state below why you prefer the selected alternative?

Please provide any additional comments related to this segment

Segment: Lake Street to Maple Street

Please indicate which option you prefer:

At Grade Boardwalk or Retaining Wall Section (AASHTO Compliant Separation from Roadway)

Alternate Median Section with Curb and Gutter (Reduced Separation from Roadway)

Please State below why you prefer the selected alternative?

Please provide any additional comments related to this segment

Segment: Maple Street to Old Allegan

Please provide any comments related to this segment

Segment: North Street to Holland Street

Please provide any comments related to this segment

Overall Trail Plan

Please provide any comments related to the overall trail plan and alternatives

Optional Information

Name: _____

Address: _____

Email: _____